

Report No.:

Test Time: 2022-1-26 11:54

Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Lamp Catalog:

Number of Lamps:

Luminous Length (mm):

Luminous Height (mm):

Current: 0.180 A

Power Factor: 0.980

Luminaire Description:

Lamp Description:

Lumens per Lamp:

Luminous Width (mm):

Voltage: 120.0 V

Power: 21.21 W

Photometric Results

IES Classification: Type IV

Total Rated Lamp Lumens: 2471.1 lm

Efficiency: 100%

Upward Ratio: 17%

C0r0 Intensity: 356.75 cd

Pos of Max. Intensity: H337.5 V54

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 162.5, 165.2, 162.3, 162.0

Longitudinal Classification: Short

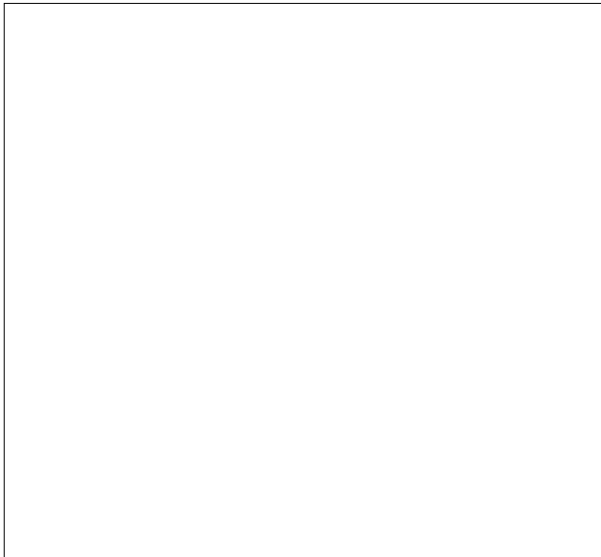
Measurement Flux: 2471.1 lm

Downward Ratio: 83%

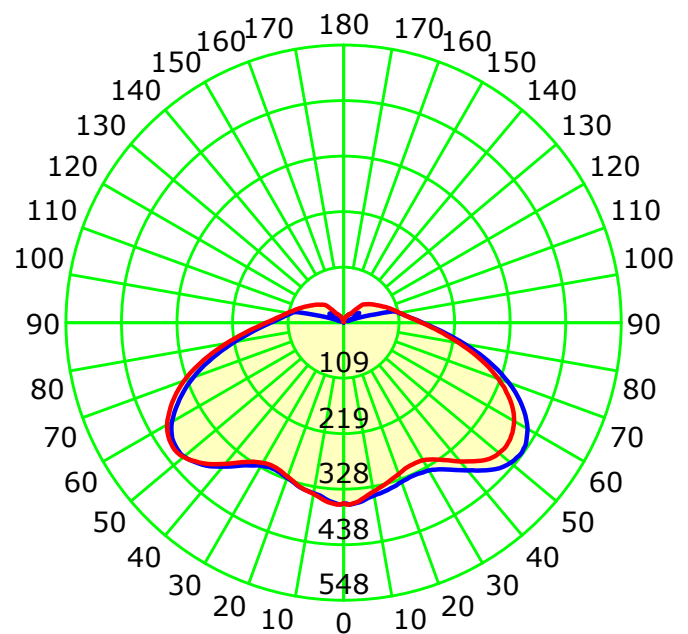
Luminaire Efficacy Rating (LER): 116.56

Max. Intensity: 438.47 cd

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 163.8°

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 24.3 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

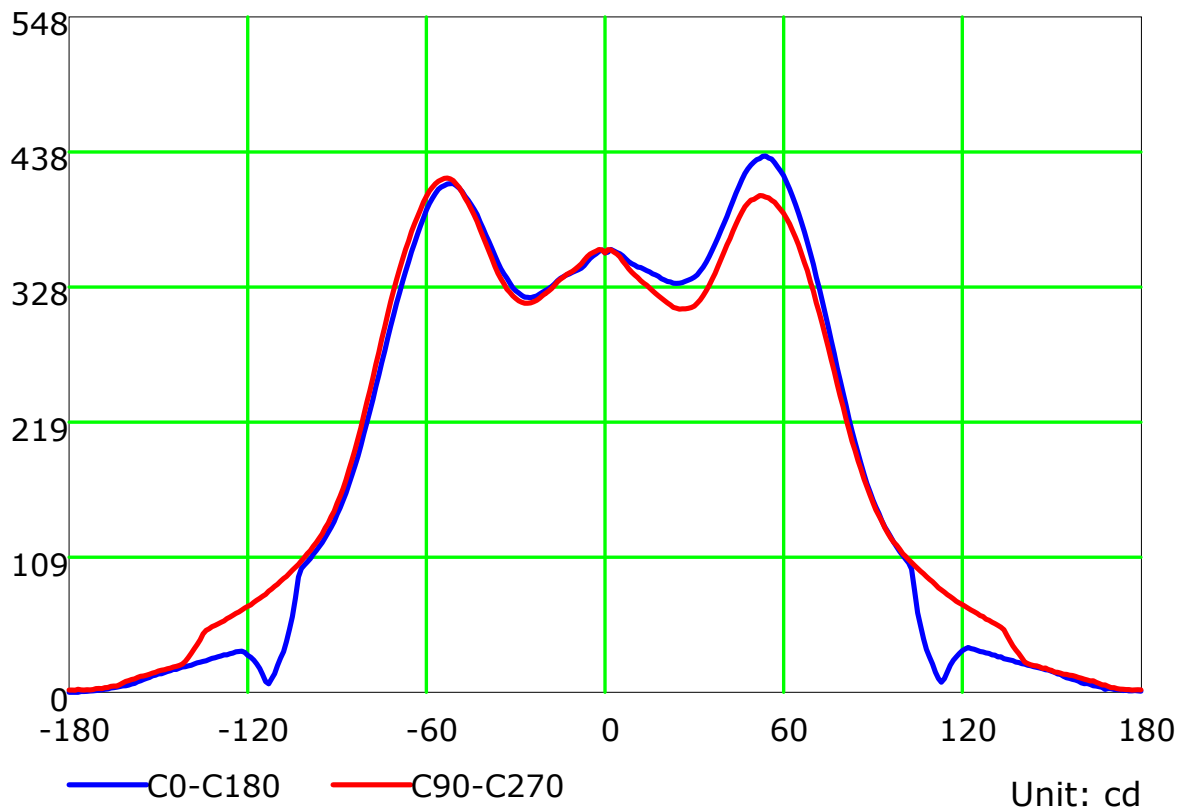
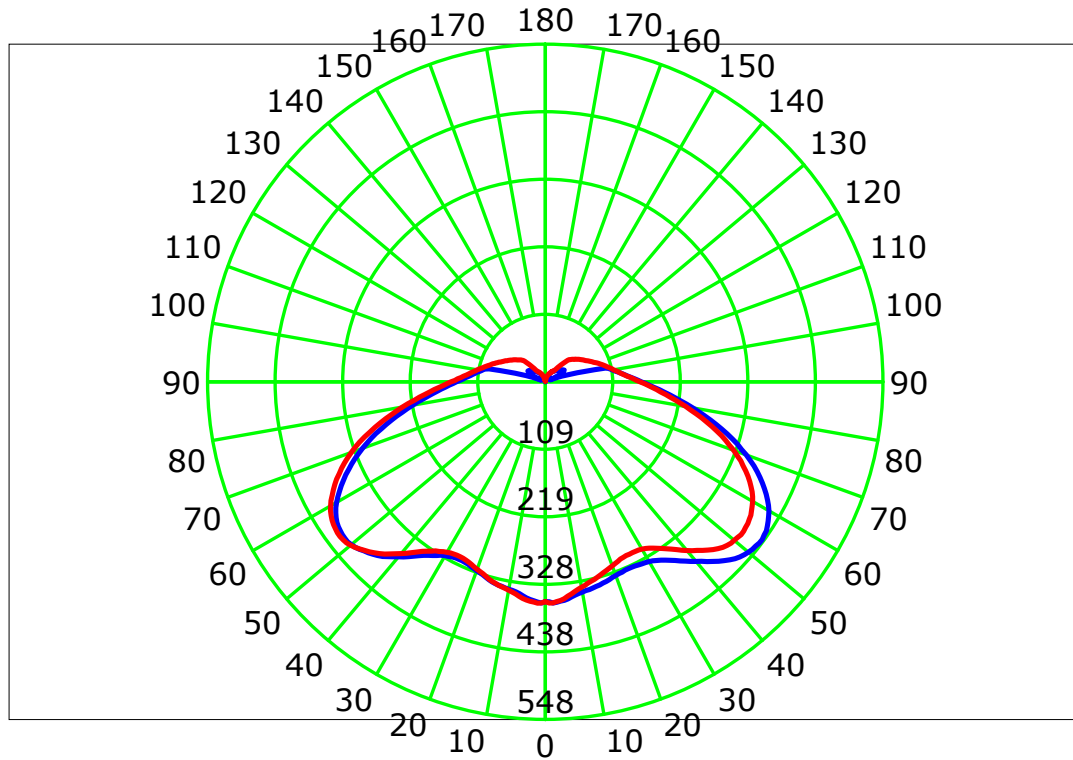
Test Device: GPM-3000

Distance: 14.140 m [K=1.0000]

Humidity:

Inspector:

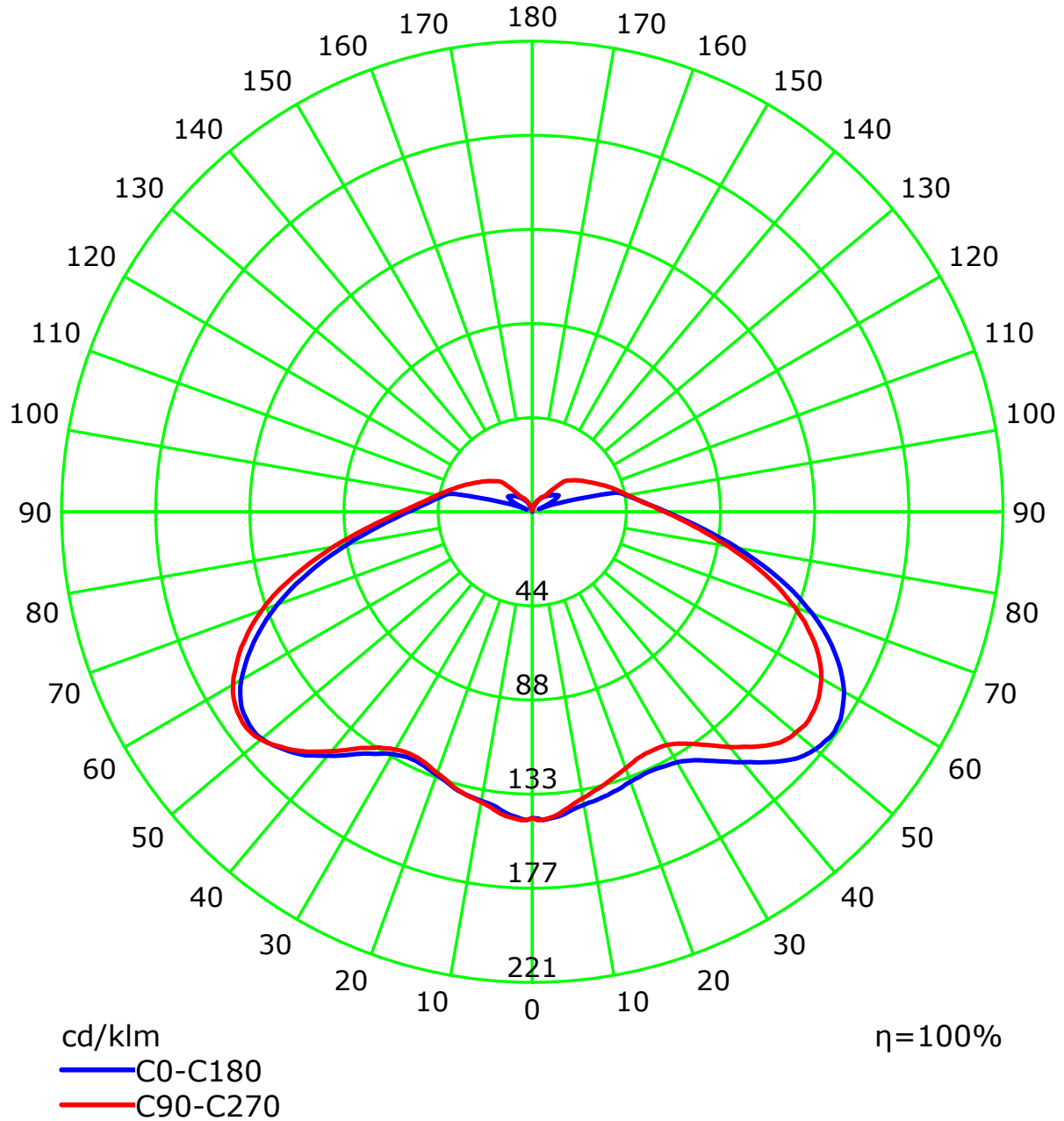
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 24.3 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.140 m [K=1.0000]
Humidity:
Inspector:

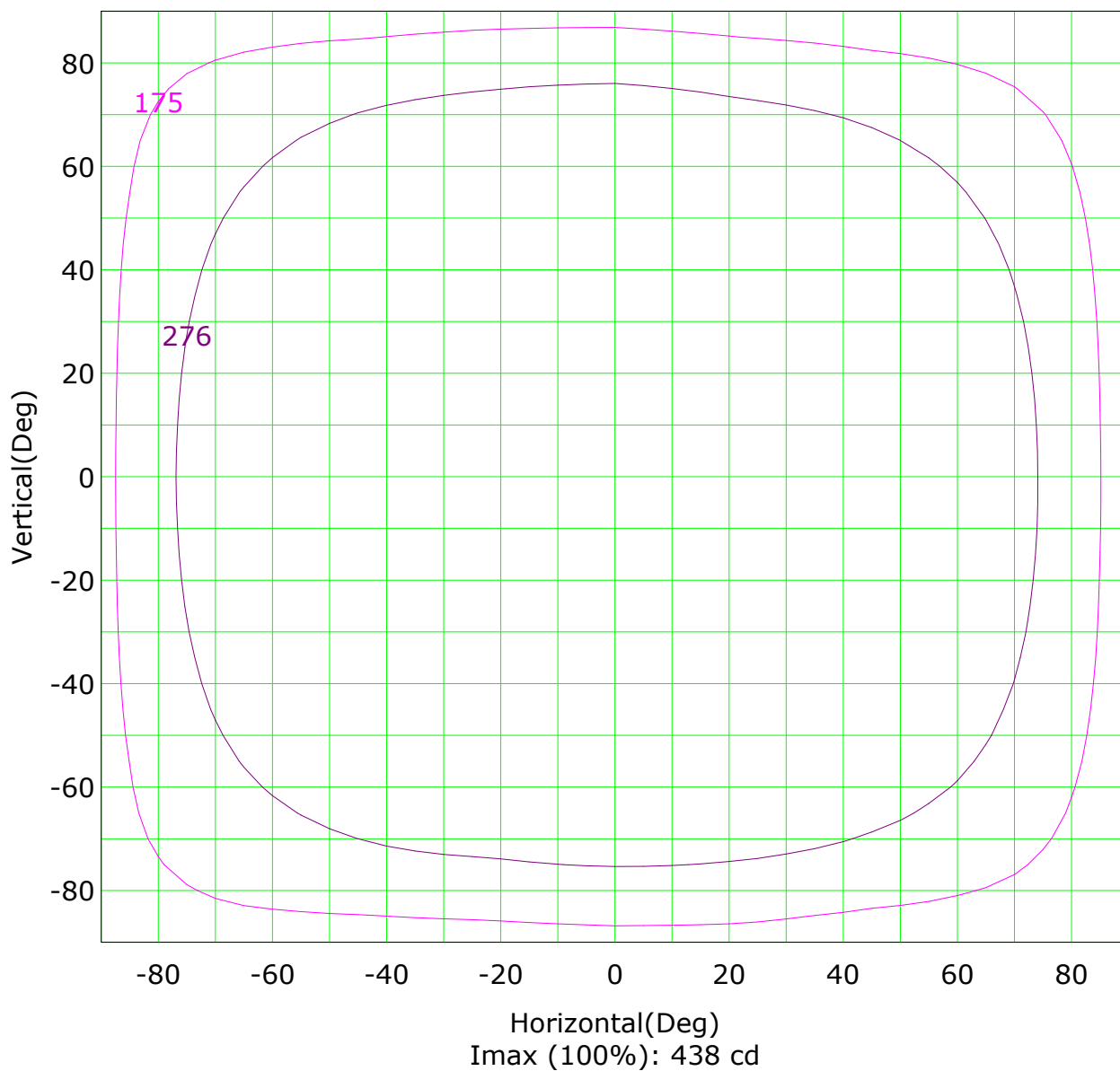
Luminous Intensity Distribution Curve(cd / klm)



C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 24.3 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.140 m [K=1.0000]
Humidity:
Inspector:

Isocandela (rectangle)

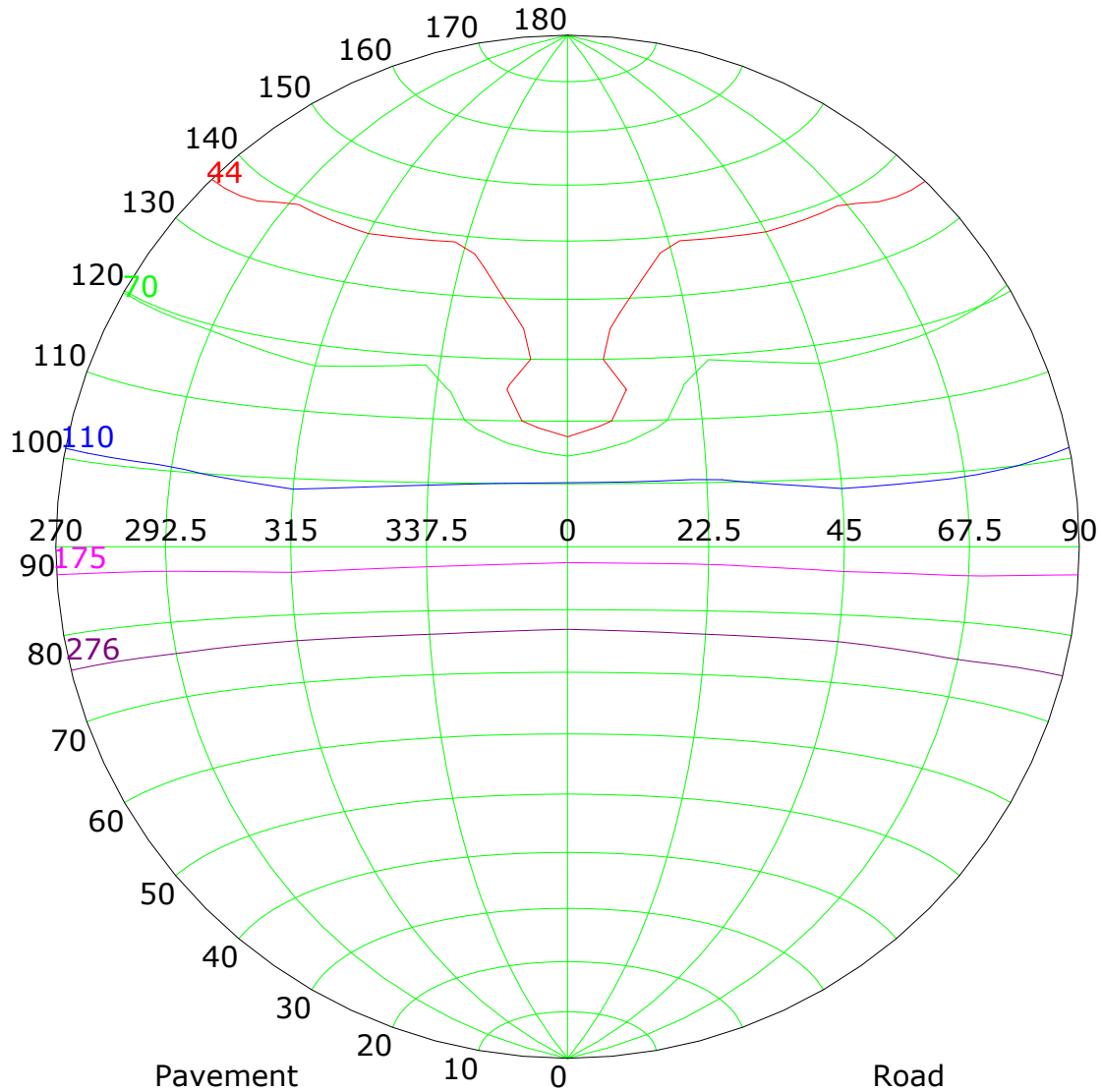


(10%):	44 cd	(16%):	70 cd
(25%):	110 cd	(40%):	175 cd
(63%):	276 cd	(100%):	438 cd

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 24.3 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.140 m [K=1.0000]
Humidity:
Inspector:

Isocandela (sphere)



Imax (100%): 438 cd

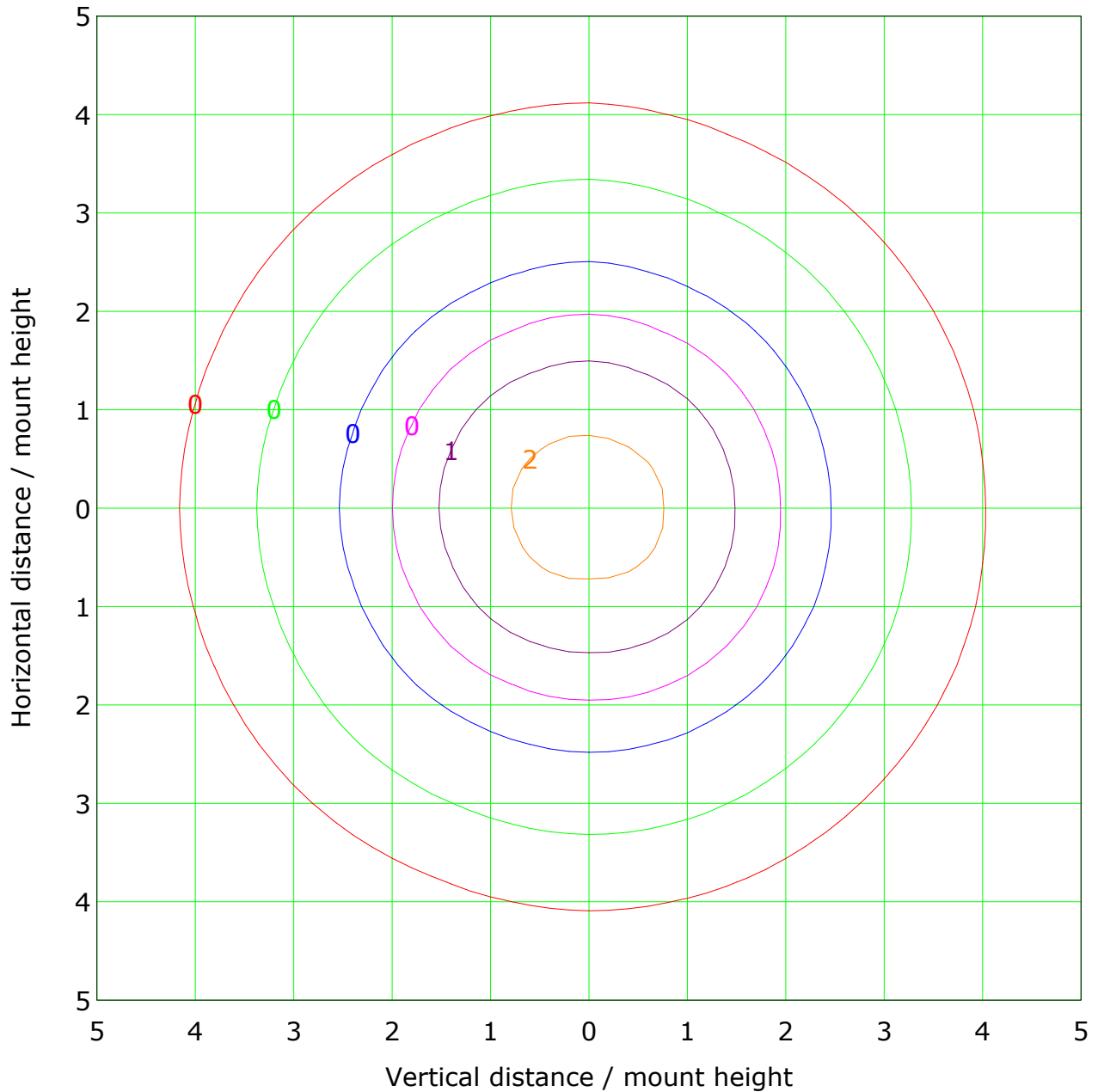
(10%): 44 cd
(25%): 110 cd
(63%): 276 cd

(16%): 70 cd
(40%): 175 cd
(100%): 438 cd

CIE: broad - short
CIE: Non-cut-off luminaire
Max.At90: 63.170 cd/klm

IES: Non-cut-off
Max.At80: 98.220 cd/klm
Max.80-90: 98.220 cd/klm

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 3.6 lx

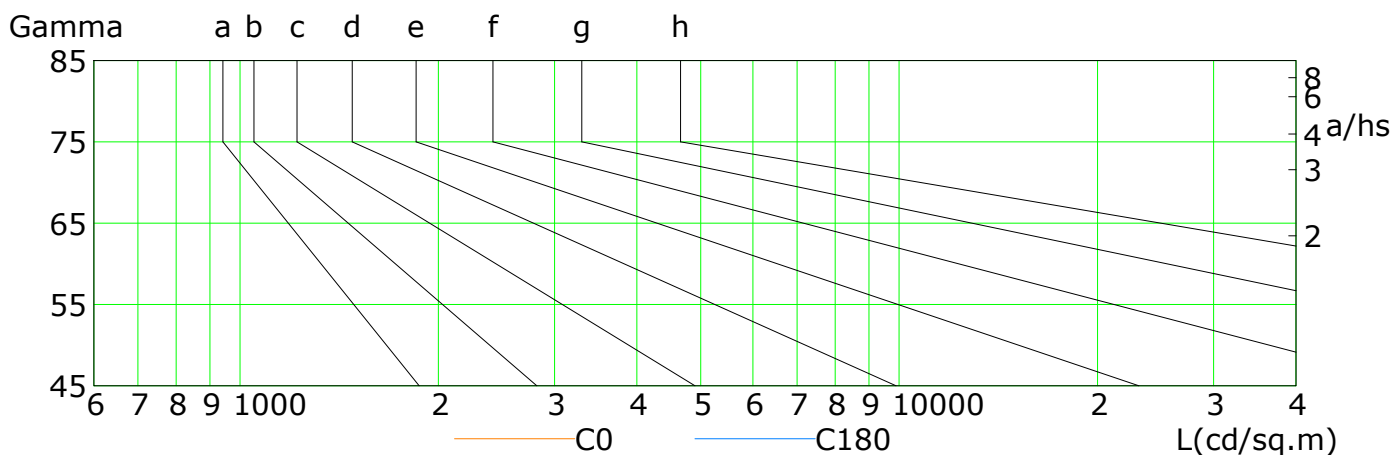
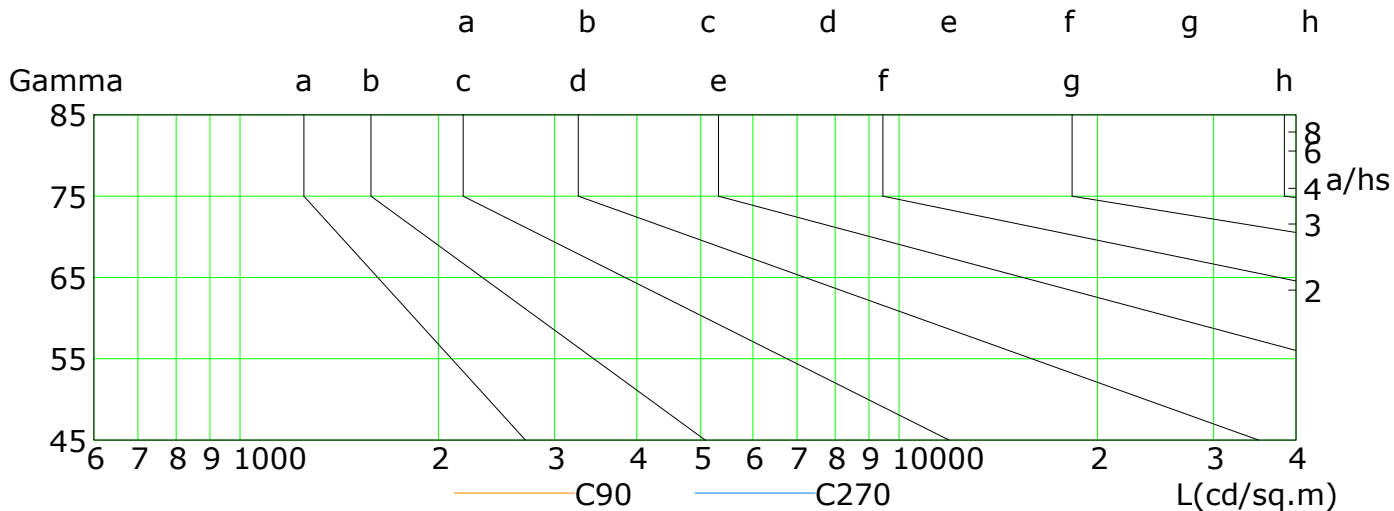
(1%): 0.0 lx	(2%): 0.1 lx
(5%): 0.2 lx	(10%): 0.4 lx
(20%): 0.7 lx	(50%): 1.8 lx
(100%): 3.6 lx	

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 24.3 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.140 m [K=1.0000]
Humidity:
Inspector:

Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300

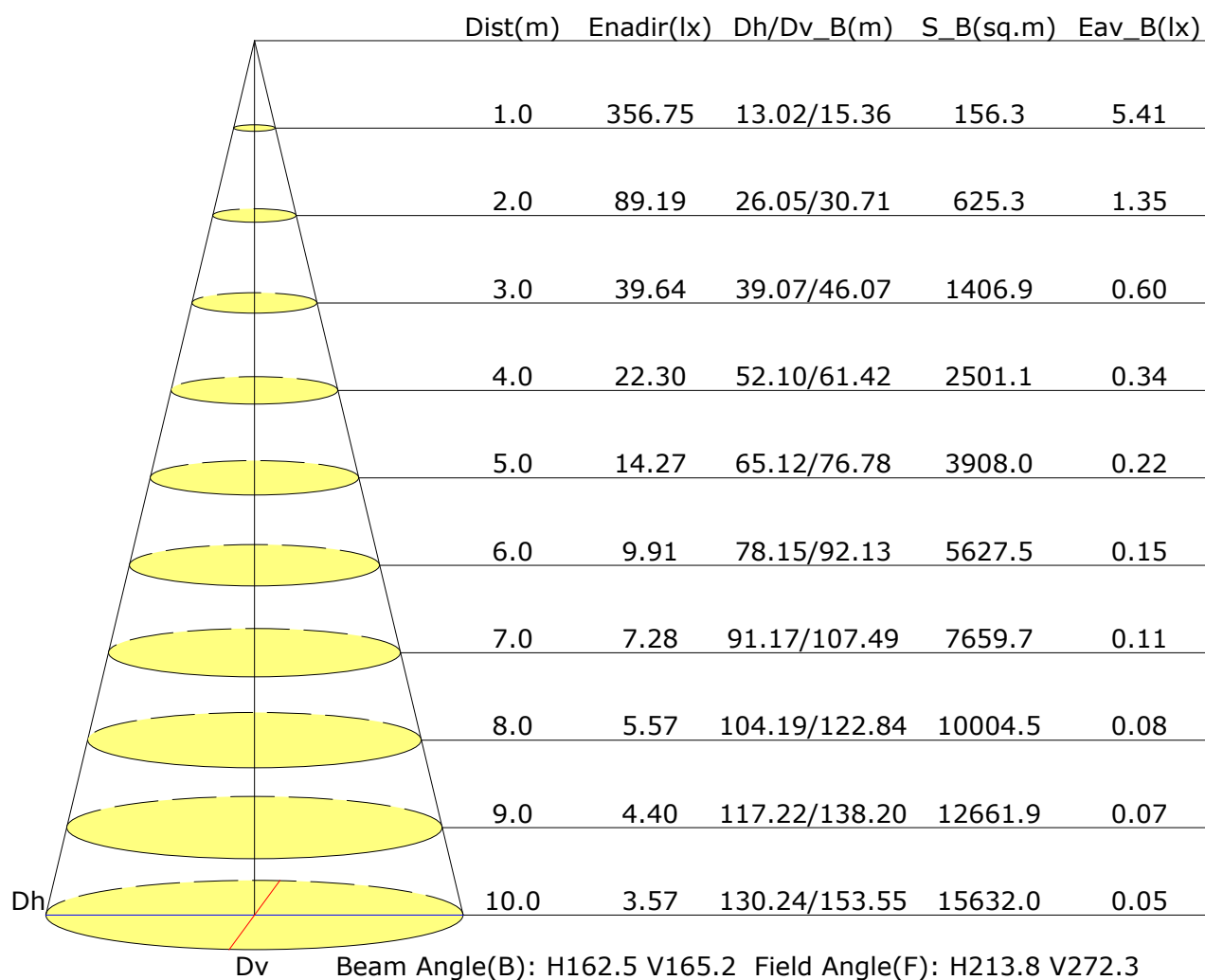


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	411	430	434	419	389	347	296	243	194
C90	385	400	401	389	363	326	280	232	188
C180	396	411	410	391	357	316	268	219	176
C270	392	413	416	402	374	335	287	235	188

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 24.3 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.140 m [K=1.0000]
Humidity:
Inspector:

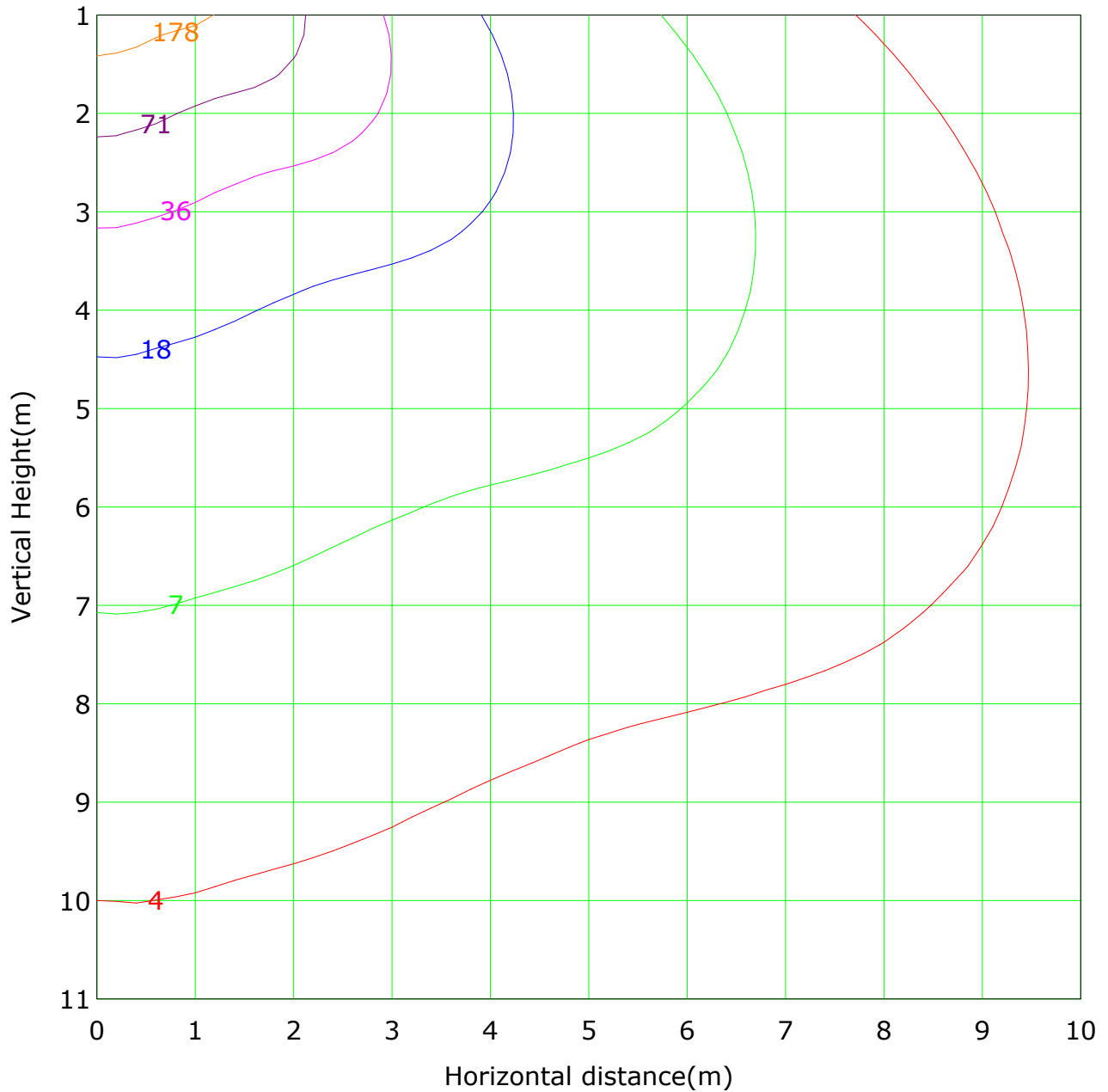
Illuminance at a Distance



C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 24.3 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.140 m [K=1.0000]
Humidity:
Inspector:

Vertical IsoLux Plot



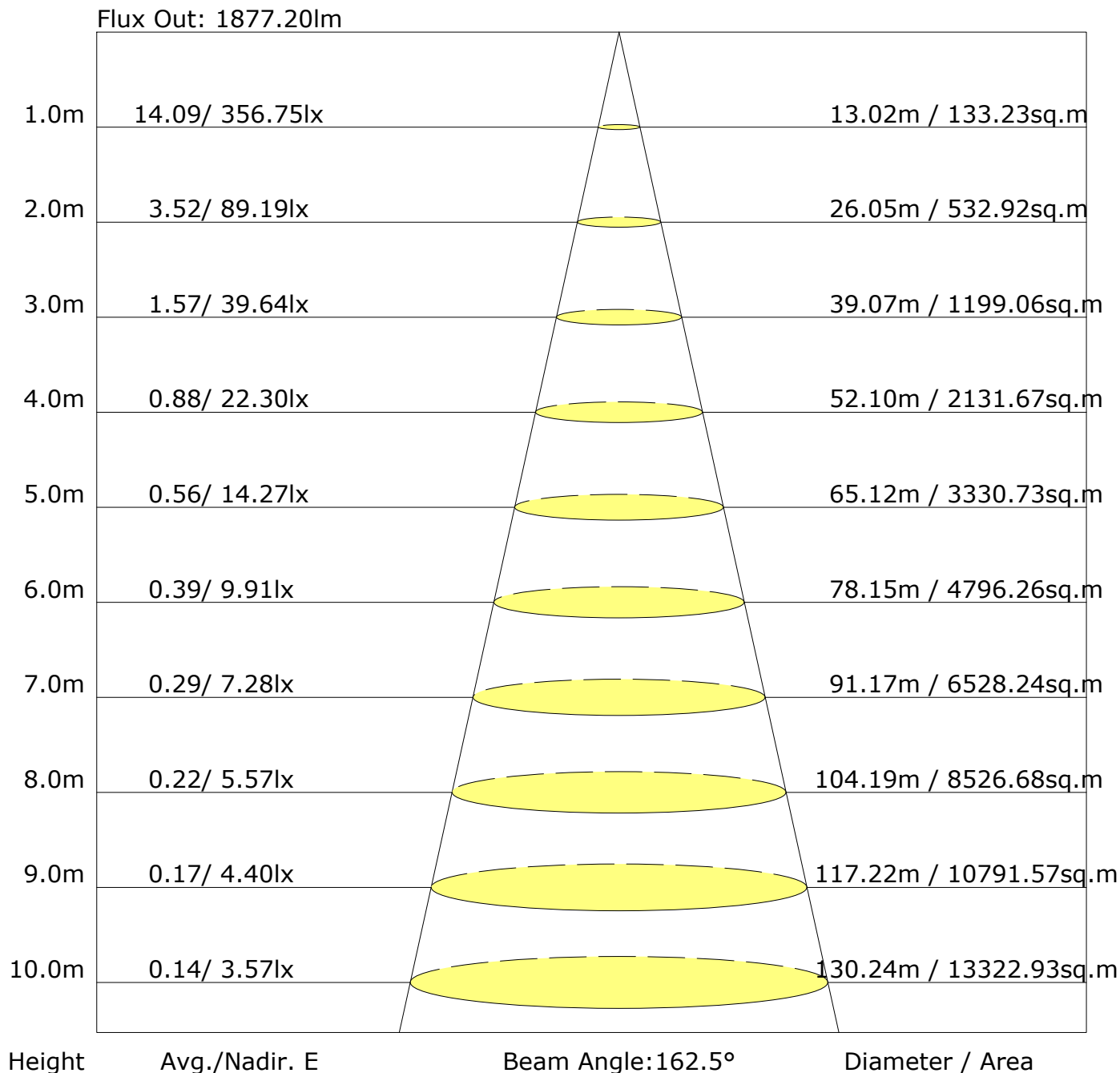
Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 356.8 lx

— (1%): 3.6 lx	— (2%): 7.1 lx
— (5%): 17.8 lx	— (10%): 35.7 lx
— (20%): 71.3 lx	— (50%): 178.4 lx
— (100%): 356.7 lx	

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 24.3 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.140 m [K=1.0000]
Humidity:
Inspector:

The Average Illuminance Effective Figure



C Plane (°): 0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 24.3 °C
Operator:

Gamma Plane (°): 0.0-180.0: 1.0
Test Device: GPM-3000
Distance: 14.140 m [K=1.0000]
Humidity:
Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	1025	41.5
	FL (0°-30°)	139	5.6
	FM (30°-60°)	452	18.3
	FH (60°-80°)	332	13.5
	FVH (80°-90°)	102	4.1
	BACK LIGHT	1024	41.4
	BL (0°-30°)	140	5.7
	BM (30°-60°)	452	18.3
	BH (60°-80°)	331	13.4
	BVH (80°-90°)	101	4.1
	UP LIGHT	422	17.1
	UL (90°-100°)	137	5.6
	UH (100°-180°)	285	11.5
	TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B1 U3 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U3 G1

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 24.3 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.140 m [K=1.0000]
Humidity:
Inspector:

Candlepower Table

Unit: cd

G\C	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5
G0.0	356.8	356.8	356.8	356.8	356.8	356.8	356.8	356.8	356.8	356.8
G1.0	357.2	358.1	358.1	358.9	359.3	358.7	358.0	358.9	359.1	359.2
G2.0	359.4	359.9	359.5	359.3	359.0	358.2	357.4	357.1	357.9	358.4
G3.0	358.3	359.0	357.9	358.1	357.3	356.9	355.6	355.5	356.0	357.2
G4.0	356.9	357.6	355.9	356.2	355.7	355.2	352.9	353.1	354.3	355.0
G5.0	356.0	356.2	353.8	353.7	353.4	352.8	351.0	350.6	352.1	352.1
G6.0	354.3	354.1	351.5	350.9	349.9	349.9	348.2	348.0	349.4	349.6
G7.0	351.7	350.3	348.3	347.9	347.0	345.6	345.1	345.5	346.3	347.2
G8.0	349.5	348.2	345.7	344.9	343.8	342.6	342.8	343.8	344.2	345.1
G9.0	347.8	346.8	343.8	342.3	341.0	340.3	341.2	342.6	342.9	344.0
G10.0	346.7	344.7	343.0	340.2	338.6	338.6	340.1	341.4	341.9	343.1
G11.0	345.2	344.1	341.6	338.9	336.7	336.6	339.2	340.3	340.8	341.8
G12.0	344.7	343.3	341.0	337.0	334.1	334.8	337.7	339.1	339.6	340.8
G13.0	343.5	342.2	339.3	335.7	332.1	333.1	336.6	337.6	338.7	339.1
G14.0	342.3	341.5	338.1	334.2	330.4	331.0	335.1	336.9	337.4	337.7
G15.0	341.3	340.9	337.2	332.8	328.1	329.1	333.8	335.3	336.0	336.6
G16.0	339.7	339.2	335.7	331.4	325.9	327.5	332.2	334.3	334.0	334.6
G17.0	338.8	337.9	334.4	329.7	323.7	325.4	330.6	332.7	331.4	332.5
G18.0	337.6	336.8	333.4	328.6	321.8	323.4	329.5	331.2	329.3	331.0
G19.0	335.7	335.5	332.5	326.4	319.9	321.4	328.5	329.9	327.6	329.4
G20.0	334.6	333.9	331.9	324.9	317.9	319.5	327.1	328.7	326.0	327.8
G21.0	333.5	332.8	331.1	323.8	316.0	317.4	326.1	327.7	324.7	326.7
G22.0	333.1	331.7	330.5	323.2	314.4	315.7	325.5	326.8	323.2	326.5
G23.0	332.0	330.9	329.9	322.9	312.4	314.8	324.5	326.7	321.7	325.6
G24.0	331.9	330.5	329.0	322.2	311.8	314.1	324.4	326.3	321.0	325.1
G25.0	332.1	330.6	329.4	321.9	311.0	313.7	324.0	326.5	320.2	324.9
G26.0	332.5	330.3	329.1	321.9	311.3	313.7	324.2	326.4	320.5	324.8
G27.0	333.6	331.0	329.7	322.6	311.3	314.0	325.0	327.1	320.8	325.1
G28.0	334.6	332.1	330.1	323.1	311.6	314.8	326.1	328.4	322.1	326.4
G29.0	335.5	333.0	331.1	323.4	312.3	316.0	327.6	330.4	324.1	328.3
G30.0	337.0	335.2	333.3	324.8	313.5	318.1	329.4	332.0	326.0	330.4
G31.0	338.8	337.7	335.0	326.8	315.7	321.1	331.8	333.8	328.5	332.9
G32.0	342.0	340.5	338.2	329.7	318.5	323.7	335.5	336.5	332.3	336.4
G33.0	345.0	344.4	342.1	333.6	321.9	328.0	339.9	340.5	336.2	339.9
G34.0	349.0	347.9	346.6	337.9	325.9	333.0	344.6	345.3	339.7	343.9
G35.0	353.8	352.3	351.6	342.2	330.3	338.2	350.6	350.5	343.9	347.9
G36.0	358.6	357.1	356.1	346.6	335.1	343.8	356.3	356.0	348.8	352.6

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 24.3 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.140 m [K=1.0000]

Humidity:

Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5
G37.0	364.0	362.3	361.9	351.6	340.1	350.9	362.7	361.9	354.5	358.6
G38.0	369.2	367.9	367.5	356.6	345.8	356.8	368.8	367.9	360.1	364.6
G39.0	375.2	374.0	373.3	361.7	351.7	362.8	375.3	373.9	365.8	370.1
G40.0	380.8	380.0	379.2	368.1	357.5	369.5	381.3	380.4	371.0	375.5
G41.0	386.1	385.5	385.0	373.6	363.2	375.8	387.2	386.3	376.5	381.3
G42.0	392.8	391.4	392.1	379.5	368.3	382.6	395.4	392.4	381.9	386.8
G43.0	398.7	398.6	398.4	384.9	374.3	388.3	401.3	397.7	387.7	392.1
G44.0	405.0	404.1	403.9	390.2	379.8	394.7	407.9	403.6	392.1	396.4
G45.0	410.6	409.7	409.4	394.9	385.1	400.4	414.7	409.0	396.0	400.7
G46.0	416.1	415.5	415.4	399.6	389.8	404.9	419.7	414.4	399.4	403.9
G47.0	421.1	419.9	419.2	403.7	394.2	408.9	423.7	419.2	402.6	408.0
G48.0	424.8	423.2	422.6	406.2	396.9	413.1	428.2	423.0	406.3	411.4
G49.0	427.9	425.7	424.6	408.4	399.4	415.2	430.9	425.7	409.2	414.1
G50.0	430.3	428.0	426.0	409.7	400.2	416.5	432.9	427.4	411.3	416.5
G51.0	432.2	429.1	427.8	410.9	401.6	417.5	433.8	428.8	413.0	418.7
G52.0	433.2	429.7	428.6	411.0	403.2	418.6	434.5	428.5	412.8	419.6
G53.0	435.0	429.6	428.6	412.0	403.0	418.6	434.2	428.5	412.5	419.3
G54.0	435.3	429.1	428.1	411.3	401.9	418.0	433.5	428.8	411.3	418.2
G55.0	433.6	427.8	427.1	409.7	401.2	416.5	431.9	427.0	410.1	416.4
G56.0	432.9	426.0	424.8	407.9	399.3	414.2	429.1	424.6	408.3	413.3
G57.0	429.9	423.5	422.4	404.9	397.8	412.1	425.6	421.5	404.8	409.9
G58.0	426.5	419.8	420.1	402.5	394.7	408.9	421.5	417.3	401.0	405.4
G59.0	423.0	417.0	416.4	397.8	391.8	405.7	417.6	412.3	396.7	400.3
G60.0	419.3	413.3	412.6	393.6	388.7	401.6	412.8	407.6	391.4	395.0
G61.0	414.1	407.7	407.8	388.4	384.6	396.0	407.5	402.1	384.9	388.7
G62.0	408.5	401.6	402.4	384.1	380.2	390.3	400.6	395.8	378.6	382.2
G63.0	402.6	395.7	396.4	377.8	374.8	385.3	394.1	388.5	371.9	375.2
G64.0	395.9	388.2	388.6	370.8	369.2	378.4	385.5	381.4	364.5	367.5
G65.0	388.8	381.6	381.5	364.7	363.1	371.2	378.6	373.8	357.5	359.1
G66.0	381.6	374.7	373.7	357.3	356.1	364.3	370.3	365.8	349.4	351.2
G67.0	373.6	366.0	365.7	349.8	348.6	355.8	362.0	357.3	341.6	343.2
G68.0	365.3	357.8	356.1	340.9	342.3	346.3	352.2	347.8	333.6	335.0
G69.0	356.4	347.7	347.6	332.0	333.3	338.0	342.5	337.1	324.5	325.8
G70.0	347.2	338.9	337.0	322.3	325.6	329.1	331.3	327.7	315.9	316.6
G71.0	336.8	329.3	327.3	312.9	316.1	319.3	320.8	317.3	306.6	307.7
G72.0	327.8	320.2	318.3	304.2	307.9	310.9	311.0	307.3	297.3	297.8
G73.0	317.8	310.4	308.8	295.7	299.2	300.4	299.9	296.8	287.8	287.4

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 24.3 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.140 m [K=1.0000]

Humidity:

Inspector:

Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5
G74.0	307.2	300.2	298.2	285.4	289.5	291.2	290.1	286.3	276.9	277.3
G75.0	296.5	290.5	287.4	276.1	279.8	280.8	278.4	276.8	267.5	267.8
G76.0	285.7	280.2	276.1	265.2	270.1	270.0	266.8	264.4	257.5	257.5
G77.0	275.0	269.6	265.4	255.7	260.6	260.2	255.9	254.4	247.9	248.0
G78.0	263.6	258.8	255.1	245.8	250.5	250.0	244.7	244.9	237.6	236.7
G79.0	253.3	249.0	245.2	236.2	240.4	240.2	235.2	233.7	228.1	227.5
G80.0	242.7	237.8	234.4	227.4	231.6	231.1	224.1	224.8	218.8	217.9
G81.0	232.8	228.6	224.5	217.5	221.8	222.0	213.5	214.9	210.2	208.7
G82.0	221.5	218.9	214.4	208.7	212.8	212.0	204.1	205.4	200.4	199.8
G83.0	212.2	208.5	204.4	199.8	203.9	203.8	195.0	196.1	191.8	191.2
G84.0	203.0	200.4	194.6	191.1	196.4	194.3	185.3	188.3	183.8	183.3
G85.0	194.1	192.3	185.8	183.2	187.9	187.4	177.1	179.9	176.4	175.6
G86.0	185.7	184.1	176.9	174.9	181.1	178.5	169.7	172.2	169.3	167.5
G87.0	177.1	175.7	169.3	167.2	173.3	171.7	162.8	165.6	161.8	160.8
G88.0	169.5	168.6	160.9	160.6	166.9	165.0	155.9	159.1	155.9	154.9
G89.0	163.0	161.5	153.9	153.7	160.4	158.4	149.5	153.1	149.7	149.0
G90.0	156.1	155.0	147.6	147.9	154.0	152.5	143.8	147.5	144.5	143.2
G91.0	150.4	149.6	142.0	141.9	148.2	146.8	138.5	142.5	138.7	138.1
G92.0	145.3	144.5	135.9	137.8	143.4	141.9	133.4	137.3	134.0	133.4
G93.0	139.4	138.8	131.0	132.5	139.0	137.1	128.7	133.1	129.9	129.2
G94.0	134.3	134.1	126.7	127.9	133.6	132.6	125.1	128.6	125.6	124.7
G95.0	130.1	130.1	122.5	123.7	129.2	128.4	121.5	124.6	121.6	121.2
G96.0	126.2	126.0	118.1	119.9	125.2	124.4	117.0	121.1	118.4	117.5
G97.0	121.7	122.4	114.7	116.3	121.8	120.3	113.3	117.7	115.1	114.4
G98.0	118.1	119.1	110.9	112.9	119.4	117.0	109.7	114.7	112.1	110.7
G99.0	114.3	114.7	108.1	110.1	116.2	114.5	107.0	111.3	108.6	108.1
G100.0	111.1	111.5	104.3	107.0	112.5	110.5	103.7	108.0	105.8	105.2
G101.0	108.2	108.0	101.5	104.8	110.4	108.4	101.5	105.5	103.4	102.8
G102.0	105.0	105.0	99.0	102.0	107.7	105.8	99.2	102.8	100.5	100.6
G103.0	100.1	102.5	96.9	99.6	105.4	103.4	97.2	101.1	93.7	98.1
G104.0	82.6	100.0	94.4	97.6	102.9	101.2	94.4	98.5	76.4	95.4
G105.0	64.7	97.5	91.5	95.0	100.6	98.3	92.4	95.8	61.5	93.7
G106.0	54.2	95.2	90.1	92.6	98.4	96.4	90.2	93.9	51.2	91.1
G107.0	43.4	92.8	87.5	90.8	96.3	93.8	88.3	92.0	41.3	88.8
G108.0	34.9	90.4	85.4	89.0	94.0	91.8	86.0	89.6	33.0	87.3
G109.0	28.8	89.0	83.3	86.8	91.8	89.9	84.3	87.7	27.8	85.1
G110.0	23.1	86.6	81.7	84.8	89.8	88.2	81.8	85.8	21.7	83.0

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 24.3 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.140 m [K=1.0000]

Humidity:

Inspector:

Candlepower Table (Continue 3)

Unit: cd

G\C	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5
G111.0	16.4	84.6	79.8	82.7	87.5	85.8	80.9	83.8	15.1	81.4
G112.0	11.2	82.8	77.8	81.0	84.8	83.9	78.9	81.9	11.0	79.8
G113.0	8.3	81.0	76.6	79.6	83.2	81.8	77.3	80.5	6.9	77.9
G114.0	11.1	78.9	74.8	77.7	81.4	80.4	75.5	78.5	8.7	76.2
G115.0	16.7	77.4	73.3	75.7	79.4	78.7	74.2	77.2	14.4	74.2
G116.0	22.1	75.5	71.6	74.1	77.7	77.0	72.8	75.6	19.4	73.1
G117.0	26.0	74.0	69.9	72.5	76.0	75.3	71.2	73.8	23.2	71.1
G118.0	28.8	71.8	68.5	70.9	74.0	73.9	69.8	72.3	26.1	69.4
G119.0	31.5	70.7	67.2	69.4	72.5	71.9	68.2	70.8	28.5	68.3
G120.0	33.9	69.4	66.2	68.3	71.3	70.5	66.9	69.2	30.1	66.7
G121.0	35.2	67.6	64.9	66.7	69.8	68.9	65.3	67.7	32.4	65.6
G122.0	36.4	66.3	63.4	65.2	68.3	67.4	64.0	66.5	33.5	63.9
G123.0	35.5	65.0	62.3	63.8	66.9	66.0	63.2	65.0	33.2	62.1
G124.0	35.0	63.6	60.3	62.6	65.5	64.9	61.5	63.7	33.0	61.1
G125.0	34.0	62.2	59.4	61.1	64.2	62.7	60.8	62.7	31.9	59.6
G126.0	33.2	60.5	58.0	59.8	62.5	61.5	59.4	61.3	31.4	58.1
G127.0	32.8	59.6	57.2	59.1	61.4	60.6	58.0	59.7	30.5	57.3
G128.0	32.0	58.4	56.0	57.7	59.4	59.1	56.6	58.3	30.4	56.2
G129.0	31.6	57.1	55.0	56.5	58.5	57.5	55.7	57.0	29.5	54.2
G130.0	30.5	55.4	53.7	54.8	57.0	56.2	54.4	55.8	28.9	53.6
G131.0	30.2	54.2	52.3	53.5	55.7	55.3	53.2	55.2	28.1	51.9
G132.0	28.8	53.2	51.4	52.4	54.3	54.2	51.9	53.7	27.6	50.6
G133.0	28.9	52.1	49.8	50.8	53.0	52.3	50.7	51.9	26.6	49.4
G134.0	27.4	50.5	49.2	50.0	50.8	51.5	49.4	50.8	25.7	48.2
G135.0	26.8	49.1	47.5	48.8	46.2	49.9	48.1	49.5	25.2	47.3
G136.0	26.3	47.7	46.9	47.5	42.1	48.4	46.8	48.1	24.4	45.6
G137.0	25.7	46.7	45.3	46.1	37.7	47.5	45.8	47.0	24.0	44.9
G138.0	24.6	45.7	43.9	45.0	34.5	45.8	44.7	45.6	23.1	43.2
G139.0	24.2	44.3	42.8	43.9	31.4	44.7	43.5	44.5	22.0	42.0
G140.0	23.3	42.8	42.0	42.6	28.0	43.1	41.9	43.6	21.4	40.9
G141.0	22.9	41.1	40.4	41.1	24.6	42.0	40.9	42.1	20.8	39.5
G142.0	22.0	40.2	38.8	39.5	23.3	41.1	39.6	41.1	20.5	38.4
G143.0	21.6	38.8	37.9	38.5	22.4	39.5	38.1	39.5	19.6	36.8
G144.0	20.9	38.0	36.6	37.4	21.8	38.2	37.3	38.1	18.7	35.8
G145.0	20.4	36.7	35.8	35.9	21.5	37.2	35.7	37.1	18.6	34.5
G146.0	19.8	35.3	34.3	34.6	20.7	35.4	34.5	35.3	17.6	33.0
G147.0	19.1	34.0	33.0	33.4	19.4	34.1	33.4	34.1	17.0	32.0

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 24.3 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.140 m [K=1.0000]

Humidity:

Inspector:

Candlepower Table (Continue 4)

Unit: cd

G\C	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5
G148.0	18.4	32.7	31.4	32.2	19.8	32.8	32.2	32.3	16.0	30.8
G149.0	18.1	31.4	30.7	30.7	18.4	31.2	31.3	31.4	15.1	29.6
G150.0	17.1	30.2	29.2	30.1	17.8	30.1	29.5	30.4	15.0	28.3
G151.0	16.3	28.7	28.0	28.9	16.5	28.9	28.5	29.0	14.0	27.0
G152.0	15.0	27.3	26.4	27.3	16.3	27.3	26.7	27.2	13.4	25.9
G153.0	14.7	26.4	25.3	25.8	15.6	25.9	25.7	26.3	12.2	24.4
G154.0	13.1	25.1	23.5	24.0	14.7	24.6	24.5	24.8	11.4	23.1
G155.0	11.9	23.9	22.3	22.2	14.7	23.3	22.9	23.6	10.4	21.9
G156.0	11.3	21.8	21.1	19.8	13.9	21.9	21.2	21.8	9.4	20.6
G157.0	10.6	20.5	20.3	18.5	13.6	20.6	19.2	20.2	8.6	19.1
G158.0	10.0	17.9	19.4	17.1	13.0	19.1	17.6	18.3	7.3	16.9
G159.0	9.2	16.9	17.6	14.7	12.2	17.9	16.5	16.6	6.9	14.1
G160.0	7.8	15.3	16.3	13.2	11.5	16.7	14.9	14.6	5.9	12.7
G161.0	7.1	13.6	15.2	11.3	10.7	15.3	13.0	12.8	5.4	11.5
G162.0	7.2	12.4	13.7	10.9	10.0	13.6	12.3	11.3	5.2	9.5
G163.0	6.4	11.7	12.4	9.6	9.3	12.0	10.7	10.2	4.7	8.6
G164.0	5.4	9.4	11.3	8.3	9.4	11.0	9.7	8.8	4.2	6.8
G165.0	5.2	8.8	10.6	7.6	8.1	9.7	7.9	7.5	3.8	6.7
G166.0	4.7	7.5	8.6	6.2	7.2	8.6	6.1	6.1	3.6	5.8
G167.0	4.0	7.1	7.4	5.3	6.0	7.7	6.2	4.9	2.8	5.2
G168.0	2.4	6.0	5.5	4.8	6.0	7.1	5.6	4.5	2.5	4.6
G169.0	3.3	4.8	5.5	4.4	4.9	5.6	5.0	3.9	2.1	2.9
G170.0	3.0	4.5	4.5	3.6	3.9	4.7	3.9	3.7	1.8	2.7
G171.0	2.4	3.0	3.2	2.1	3.9	3.7	3.5	3.3	1.5	2.6
G172.0	2.3	2.9	2.5	1.9	3.1	3.5	2.9	3.1	1.2	2.3
G173.0	2.2	2.5	2.4	1.7	2.7	2.7	2.7	2.6	1.1	2.3
G174.0	1.5	2.4	2.1	1.8	2.6	2.4	2.6	2.8	0.9	2.0
G175.0	1.8	2.1	2.3	2.0	2.3	2.0	2.4	2.0	0.7	1.7
G176.0	1.2	2.0	2.3	1.6	2.2	2.1	2.3	2.0	0.7	1.6
G177.0	1.2	1.8	2.4	1.4	1.9	2.3	2.3	2.2	0.0	1.5
G178.0	1.5	1.8	2.0	1.6	2.1	1.5	2.2	2.3	0.0	1.3
G179.0	1.2	1.8	2.1	2.1	2.1	1.4	2.3	2.0	0.0	0.9
G180.0	1.0	1.8	1.9	1.8	2.0	2.5	2.3	2.2	0.0	1.0

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 24.3 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.140 m [K=1.0000]

Humidity:

Inspector:

Candlepower Table (Continue 5)

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G0.0	356.8	356.8	356.8	356.8	356.8	356.8	356.8			
G1.0	358.2	358.9	358.9	358.3	357.5	358.6	357.2			
G2.0	357.4	358.9	359.5	358.9	359.1	359.8	359.4			
G3.0	355.9	357.9	358.2	358.6	358.9	359.4	358.3			
G4.0	354.2	356.5	357.0	358.2	357.0	358.6	356.9			
G5.0	352.5	354.0	355.7	356.4	356.0	356.9	356.0			
G6.0	349.4	352.2	353.6	354.0	354.8	355.2	354.3			
G7.0	347.1	348.5	350.8	351.8	352.4	352.3	351.7			
G8.0	344.3	345.8	347.8	349.0	350.0	350.7	349.5			
G9.0	342.9	343.9	345.5	347.6	349.1	349.9	347.8			
G10.0	342.0	342.3	343.5	347.0	348.5	349.2	346.7			
G11.0	340.4	340.6	341.6	345.8	347.8	348.7	345.2			
G12.0	338.7	338.8	340.4	344.2	346.3	348.3	344.7			
G13.0	336.4	336.3	339.0	343.4	345.7	347.5	343.5			
G14.0	335.0	334.0	337.0	341.8	344.7	346.1	342.3			
G15.0	332.4	331.8	335.3	340.1	343.6	345.2	341.3			
G16.0	331.2	329.1	333.1	338.6	341.9	344.4	339.7			
G17.0	329.4	327.2	330.2	335.4	340.9	343.6	338.8			
G18.0	327.5	324.7	327.6	333.7	339.2	342.2	337.6			
G19.0	326.2	322.6	325.6	332.5	337.6	340.4	335.7			
G20.0	324.2	320.4	323.7	330.6	335.2	339.1	334.6			
G21.0	322.7	318.2	322.0	329.1	334.3	337.8	333.5			
G22.0	321.1	316.8	319.9	327.9	332.7	336.3	333.1			
G23.0	320.2	315.3	318.1	326.3	331.2	335.4	332.0			
G24.0	319.3	313.7	317.0	325.2	330.0	334.0	331.9			
G25.0	318.7	313.1	316.0	324.9	329.4	333.9	332.1			
G26.0	319.3	312.4	315.9	324.4	329.6	334.2	332.5			
G27.0	319.2	312.6	315.9	324.7	329.7	335.1	333.6			
G28.0	320.7	313.4	316.6	325.0	330.6	336.0	334.6			
G29.0	322.1	315.5	317.7	326.6	331.8	337.8	335.5			
G30.0	324.2	317.4	319.7	328.5	333.6	340.3	337.0			
G31.0	327.4	320.1	321.7	330.6	335.8	342.0	338.8			
G32.0	330.0	322.7	324.8	333.3	338.6	345.1	342.0			
G33.0	333.3	325.8	327.2	335.9	341.1	348.1	345.0			
G34.0	337.7	329.3	331.7	339.5	345.1	351.7	349.0			
G35.0	341.5	333.8	335.8	343.6	349.5	356.3	353.8			
G36.0	347.4	338.7	340.1	348.0	355.3	361.4	358.6			

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 24.3 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.140 m [K=1.0000]

Humidity:

Inspector:

Candlepower Table (Continue 6)

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G37.0	353.5	344.0	345.8	354.2	360.9	367.2	364.0			
G38.0	359.2	350.2	351.9	359.5	367.2	372.8	369.2			
G39.0	366.1	357.1	358.1	365.6	373.5	379.3	375.2			
G40.0	372.9	363.7	364.1	371.4	380.0	385.1	380.8			
G41.0	380.0	369.5	369.9	376.8	386.3	391.6	386.1			
G42.0	386.6	375.2	376.0	382.8	393.4	397.3	392.8			
G43.0	392.2	380.8	382.2	387.5	400.3	403.0	398.7			
G44.0	397.7	386.7	387.6	392.9	405.6	409.2	405.0			
G45.0	402.5	391.3	392.5	398.3	410.6	414.0	410.6			
G46.0	406.9	395.8	397.1	402.7	415.1	418.9	416.1			
G47.0	410.4	399.3	401.1	406.3	419.9	423.5	421.1			
G48.0	414.3	402.5	405.6	410.1	424.2	427.8	424.8			
G49.0	417.6	405.7	409.7	413.7	428.5	431.4	427.9			
G50.0	421.0	408.3	412.6	417.0	432.4	434.8	430.3			
G51.0	423.4	410.4	415.3	419.0	435.3	437.2	432.2			
G52.0	424.3	411.1	416.7	420.1	436.7	438.4	433.2			
G53.0	424.8	411.5	417.3	420.3	437.8	438.4	435.0			
G54.0	423.9	411.4	417.1	420.2	437.5	438.5	435.3			
G55.0	421.5	409.5	416.0	418.6	436.4	437.4	433.6			
G56.0	418.9	407.7	414.7	416.5	434.4	435.2	432.9			
G57.0	415.5	403.5	412.7	414.0	432.0	431.4	429.9			
G58.0	411.1	400.1	410.0	410.7	428.9	427.4	426.5			
G59.0	405.2	396.4	406.8	407.1	424.1	423.0	423.0			
G60.0	400.0	390.6	402.4	402.4	419.1	418.1	419.3			
G61.0	393.3	385.1	397.9	397.1	413.5	412.0	414.1			
G62.0	386.5	378.4	391.6	391.5	407.4	404.8	408.5			
G63.0	379.4	372.2	386.1	384.3	400.0	397.8	402.6			
G64.0	371.5	365.3	380.2	377.6	393.2	390.8	395.9			
G65.0	363.7	358.1	373.9	371.3	386.5	383.4	388.8			
G66.0	355.5	350.7	366.2	364.3	378.4	376.6	381.6			
G67.0	347.5	343.1	359.5	356.8	370.3	367.9	373.6			
G68.0	337.7	335.5	351.8	348.9	360.9	358.9	365.3			
G69.0	329.0	326.9	343.6	340.6	351.3	351.0	356.4			
G70.0	320.2	318.1	335.1	332.7	342.9	341.6	347.2			
G71.0	310.6	308.6	326.4	323.6	333.0	330.4	336.8			
G72.0	299.6	299.6	317.1	314.1	322.5	321.1	327.8			
G73.0	289.7	290.2	307.2	304.0	311.9	311.4	317.8			

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 24.3 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.140 m [K=1.0000]

Humidity:

Inspector:

Candlepower Table (Continue 7)

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G74.0	279.3	280.8	296.4	294.4	301.4	301.0	307.2			
G75.0	269.4	270.3	286.5	284.5	289.6	290.5	296.5			
G76.0	259.0	260.7	275.8	274.6	279.0	279.8	285.7			
G77.0	247.8	250.9	265.9	263.5	267.6	269.0	275.0			
G78.0	237.4	241.1	255.1	253.3	256.4	257.2	263.6			
G79.0	227.2	231.5	244.8	243.4	246.1	248.1	253.3			
G80.0	217.5	221.3	235.3	233.8	234.2	237.0	242.7			
G81.0	207.0	212.3	225.4	223.6	223.7	227.0	232.8			
G82.0	197.5	203.3	214.8	214.3	213.8	216.6	221.5			
G83.0	188.5	194.7	206.0	205.3	204.2	207.6	212.2			
G84.0	180.2	185.1	196.8	196.5	194.2	197.6	203.0			
G85.0	171.9	177.6	188.4	188.1	184.7	189.2	194.1			
G86.0	163.7	170.1	180.8	179.2	176.6	180.8	185.7			
G87.0	157.3	163.1	172.4	171.8	168.5	172.9	177.1			
G88.0	150.6	156.0	165.4	165.3	160.3	165.5	169.5			
G89.0	144.2	149.6	159.0	158.4	154.3	158.8	163.0			
G90.0	137.9	143.9	153.3	152.2	146.9	152.4	156.1			
G91.0	132.7	139.0	147.0	146.6	141.1	145.5	150.4			
G92.0	127.6	133.4	142.5	141.9	135.7	140.5	145.3			
G93.0	123.1	128.7	137.3	136.8	130.7	135.2	139.4			
G94.0	119.5	124.6	133.5	132.5	126.1	130.7	134.3			
G95.0	115.7	120.9	128.5	128.3	121.3	125.8	130.1			
G96.0	111.9	117.7	125.1	124.5	117.6	121.6	126.2			
G97.0	108.1	114.1	121.5	120.8	114.1	118.1	121.7			
G98.0	105.4	111.4	118.6	117.1	110.4	114.3	118.1			
G99.0	102.8	107.6	115.0	114.1	107.8	111.3	114.3			
G100.0	100.4	104.9	112.6	111.4	104.4	108.2	111.1			
G101.0	97.8	102.5	109.6	108.3	101.5	105.3	108.2			
G102.0	95.0	100.1	106.7	105.4	98.9	102.6	105.0			
G103.0	92.8	97.7	103.8	102.8	95.9	100.6	100.1			
G104.0	90.6	95.2	101.5	100.6	94.2	97.6	82.6			
G105.0	88.6	93.4	99.1	97.7	91.9	95.1	64.7			
G106.0	86.8	91.0	96.6	95.3	89.3	93.0	54.2			
G107.0	84.9	89.3	94.1	92.9	87.5	90.8	43.4			
G108.0	83.0	87.1	92.4	91.3	85.2	88.9	34.9			
G109.0	80.5	85.0	90.2	88.5	83.0	86.5	28.8			
G110.0	79.3	83.1	87.7	86.6	81.4	84.7	23.1			

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 24.3 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.140 m [K=1.0000]

Humidity:

Inspector:

Candlepower Table (Continue 8)

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G111.0	77.5	81.2	86.0	84.8	79.4	82.8	16.4			
G112.0	75.6	79.1	83.9	83.1	77.8	81.1	11.2			
G113.0	74.1	77.9	82.1	81.0	76.2	79.3	8.3			
G114.0	72.5	75.9	79.6	79.3	74.7	77.5	11.1			
G115.0	71.2	74.2	78.0	77.4	73.1	75.6	16.7			
G116.0	69.6	73.0	76.3	75.2	71.3	74.7	22.1			
G117.0	68.3	71.6	74.7	73.9	69.5	72.5	26.0			
G118.0	66.9	69.6	73.1	72.4	68.3	70.7	28.8			
G119.0	65.4	68.4	71.0	70.7	67.2	69.2	31.5			
G120.0	64.5	67.3	69.8	69.0	65.1	68.2	33.9			
G121.0	63.0	65.9	68.5	67.6	64.5	66.3	35.2			
G122.0	61.8	64.0	66.8	66.1	63.3	65.0	36.4			
G123.0	60.2	63.3	65.3	64.5	61.6	63.9	35.5			
G124.0	59.5	61.6	64.0	63.4	60.3	62.5	35.0			
G125.0	58.0	60.5	62.5	61.9	59.4	61.2	34.0			
G126.0	57.1	58.9	61.1	60.8	58.2	60.1	33.2			
G127.0	55.7	58.2	59.8	59.2	56.4	58.8	32.8			
G128.0	54.4	56.6	58.0	57.9	55.6	57.7	32.0			
G129.0	53.0	55.2	56.9	56.7	54.4	55.8	31.6			
G130.0	52.1	54.0	55.6	55.9	52.8	54.6	30.5			
G131.0	51.0	52.7	54.4	53.8	52.0	54.1	30.2			
G132.0	50.1	51.6	53.3	52.7	50.8	52.7	28.8			
G133.0	48.1	50.5	51.7	51.8	49.9	51.2	28.9			
G134.0	47.3	49.0	50.3	50.2	48.5	49.9	27.4			
G135.0	46.1	47.5	47.4	48.7	47.3	48.9	26.8			
G136.0	44.6	46.7	42.7	47.4	45.9	47.4	26.3			
G137.0	43.8	45.0	38.8	46.4	44.9	46.1	25.7			
G138.0	42.5	44.4	35.4	44.9	43.5	45.0	24.6			
G139.0	41.7	42.7	31.6	43.9	42.5	43.8	24.2			
G140.0	40.3	41.2	28.2	43.0	41.6	42.5	23.3			
G141.0	39.3	40.1	25.2	40.9	40.0	41.3	22.9			
G142.0	37.8	39.5	22.9	39.6	39.2	39.9	22.0			
G143.0	36.6	38.0	21.9	38.7	37.5	38.9	21.6			
G144.0	35.8	36.2	21.1	37.1	36.9	37.9	20.9			
G145.0	34.2	35.6	20.6	36.1	35.1	36.4	20.4			
G146.0	33.0	34.3	19.7	34.8	34.0	35.4	19.8			
G147.0	31.5	33.0	19.2	33.5	33.0	33.9	19.1			

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 24.3 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.140 m [K=1.0000]

Humidity:

Inspector:

Candlepower Table (Continue 9)

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G148.0	30.5	31.8	18.4	32.5	31.9	32.5	18.4			
G149.0	29.4	30.9	18.0	31.0	30.5	31.7	18.1			
G150.0	28.6	29.3	17.3	30.1	29.3	30.3	17.1			
G151.0	27.4	28.2	16.3	28.6	28.1	29.0	16.3			
G152.0	25.9	26.8	15.7	27.6	26.8	27.6	15.0			
G153.0	24.7	26.0	14.8	26.3	25.3	26.9	14.7			
G154.0	23.4	24.3	14.0	24.7	23.9	25.0	13.1			
G155.0	22.3	23.3	13.3	23.9	23.2	24.1	11.9			
G156.0	19.9	21.8	13.1	22.6	21.1	22.0	11.3			
G157.0	18.9	21.1	12.2	21.3	20.2	20.4	10.6			
G158.0	17.7	19.4	11.0	19.7	18.5	18.1	10.0			
G159.0	16.0	18.1	10.5	18.3	17.4	16.6	9.2			
G160.0	14.6	16.4	9.6	16.7	16.0	15.2	7.8			
G161.0	13.2	15.6	8.9	15.8	14.5	13.7	7.1			
G162.0	12.4	13.7	7.6	13.5	12.8	12.4	7.2			
G163.0	11.0	12.1	6.3	12.1	11.7	10.7	6.4			
G164.0	9.6	10.0	5.1	11.1	11.0	9.8	5.4			
G165.0	8.8	9.0	5.1	9.9	9.7	8.1	5.2			
G166.0	7.5	7.4	4.9	8.5	8.3	6.9	4.7			
G167.0	6.2	6.4	4.0	6.2	7.3	6.4	4.0			
G168.0	4.5	5.9	3.8	4.8	6.1	5.2	2.4			
G169.0	5.2	5.2	3.0	4.7	4.3	4.5	3.3			
G170.0	4.5	4.1	3.1	2.9	4.4	4.1	3.0			
G171.0	3.0	3.6	3.1	3.3	3.6	3.8	2.4			
G172.0	3.1	2.9	2.3	2.6	3.1	3.5	2.3			
G173.0	2.6	3.1	2.1	2.1	2.8	2.7	2.2			
G174.0	2.2	2.2	2.1	2.0	2.2	2.8	1.5			
G175.0	2.5	2.3	1.9	1.6	2.6	2.5	1.8			
G176.0	2.0	2.3	2.0	2.3	2.2	2.6	1.2			
G177.0	1.8	2.2	2.5	2.0	1.8	2.2	1.2			
G178.0	1.8	2.1	1.7	2.3	2.6	2.4	1.5			
G179.0	2.0	2.3	1.9	1.8	2.4	2.4	1.2			
G180.0	1.8	1.9	1.8	2.0	2.5	2.3	1.0			

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 24.3 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.140 m [K=1.0000]

Humidity:

Inspector: