

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P271602

Luminaire Tested: **ISS-AF-1000-LED-E1-SL2-7027-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271602
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29761)-DOWNLIGHT AND
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: ISS-AF-1000-LED-E1-SL2-7027-ULG
Description: IMPACT ELITE LED QUATER SPHERE LUMINAIRE WITH UPLIGHT
LIGHT SQUARE WITH ACCULED OPTICS-TYPE II W/SPILL CONTROL, WITH UPLIGHT
GLOW
Light Source: (16) 2700K CCT, 70 CRI LEDs and (1) UPLIGHT LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6152.1 lumens
Efficiency: N/A
Efficacy: 86.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.54')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U5 - G2

Input Watts (W): 71.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

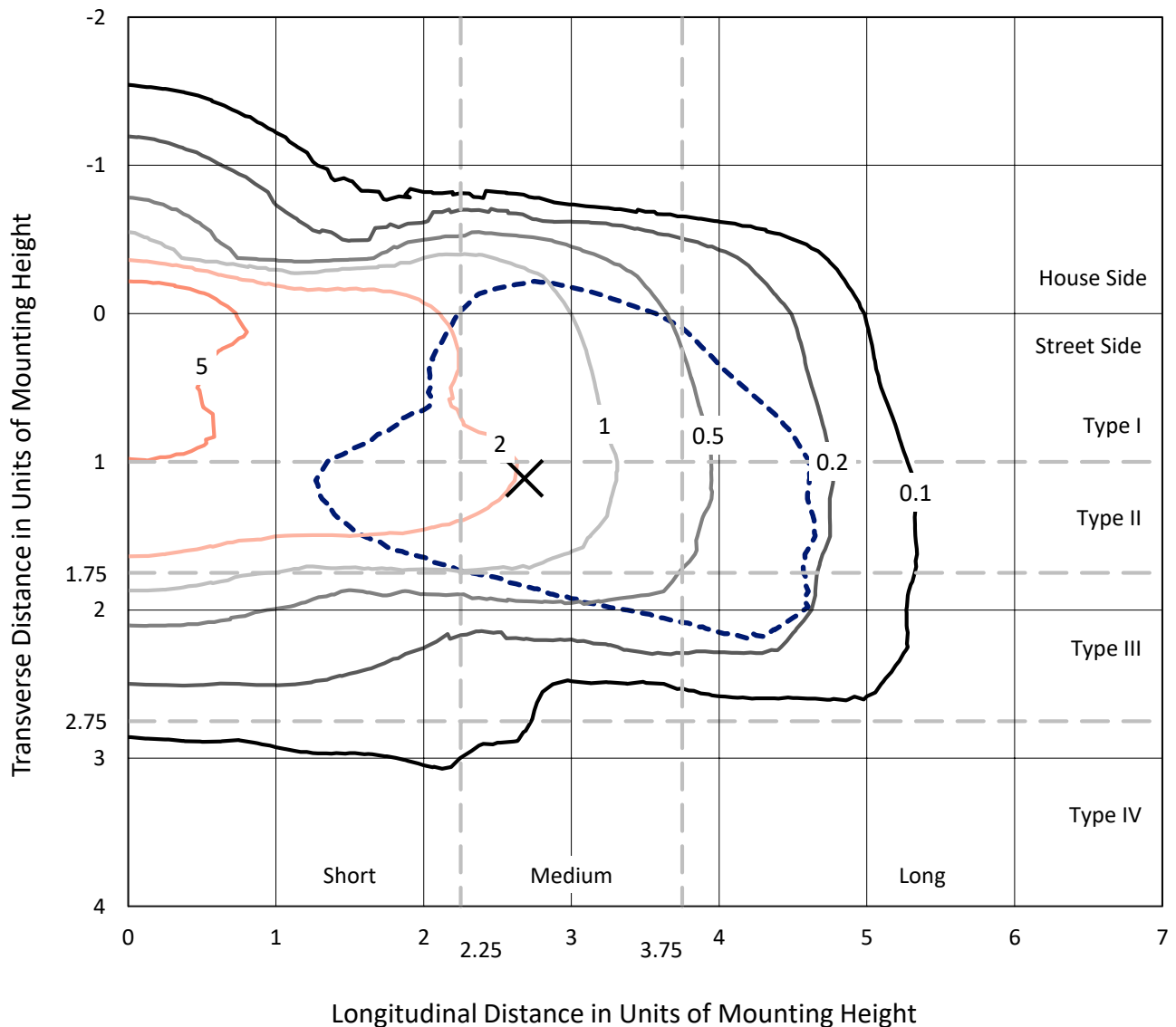


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Iso-Footcandle Lines of Horizontal Illumination

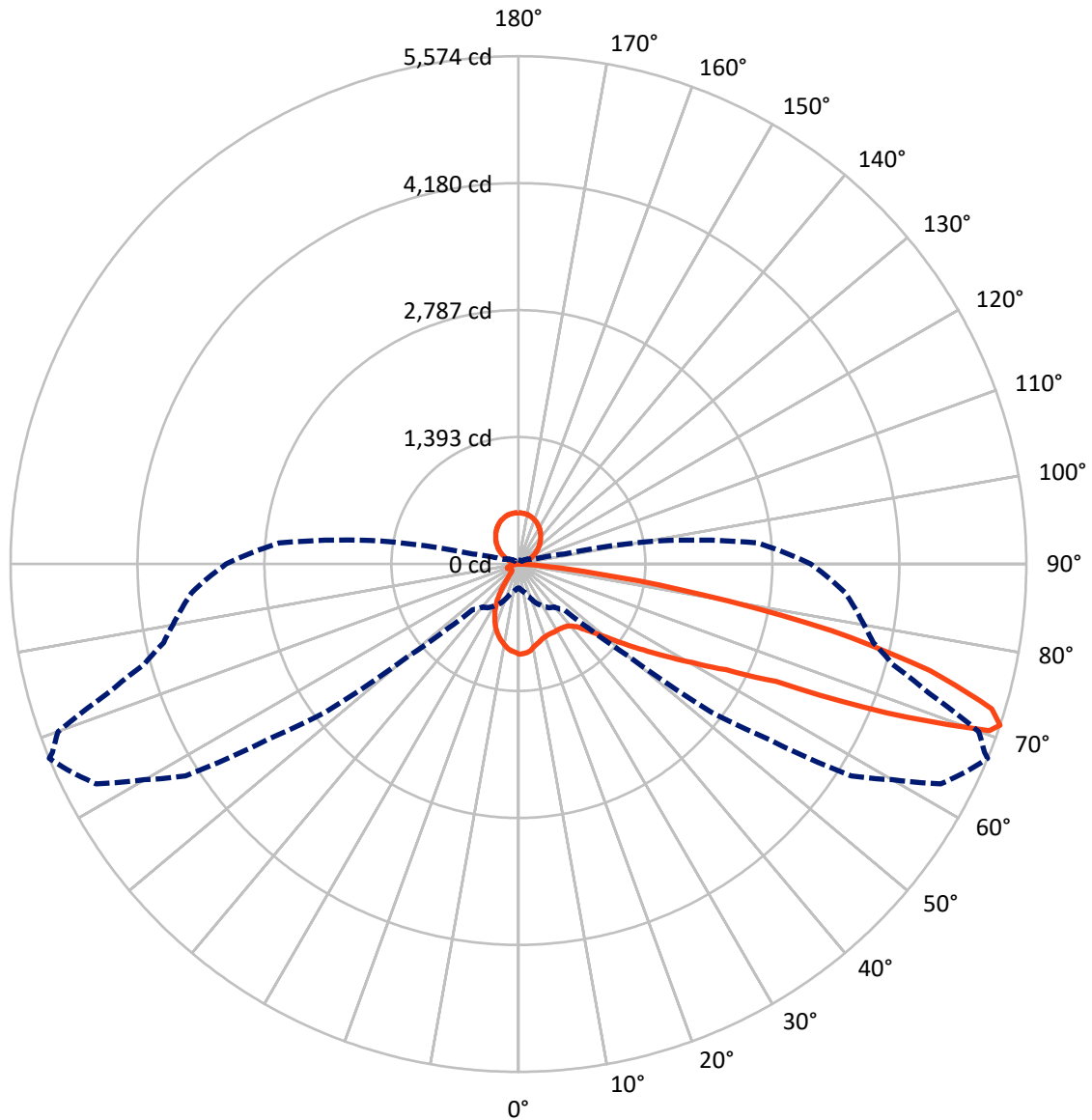
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.9 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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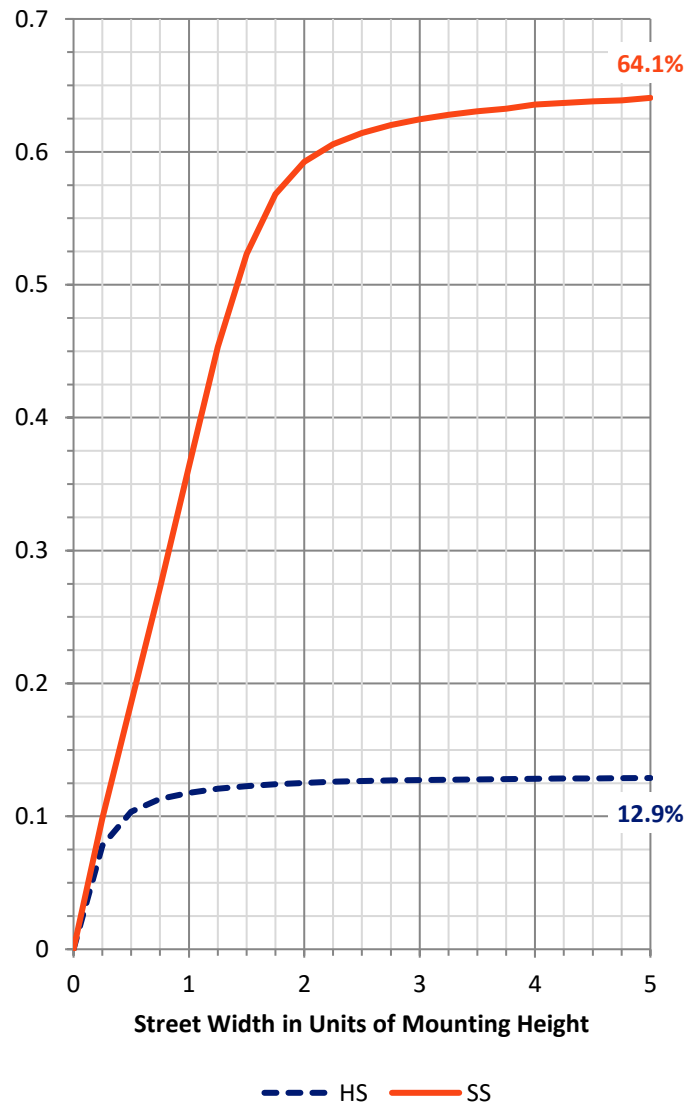
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	800.8	699.9	1500.7
	% Fixture	13.0	11.4	24.4
Street Side	Lumens	3951.5	699.9	4651.4
	% Fixture	64.2	11.4	75.6
Total	Lumens	4752.3	1399.8	6152.1
	% Fixture	77.2	22.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.4	1.4
10°-20°	206.7	3.4
20°-30°	281.1	4.6
30°-40°	384.2	6.2
40°-50°	579.0	9.4
50°-60°	917.6	14.9
60°-70°	1214.7	19.7
70°-80°	967.7	15.7
80°-90°	114.7	1.9
90°-100°	4.7	0.1
100°-110°	67.7	1.1
110°-120°	150.2	2.4
120°-130°	219.7	3.6
130°-140°	260.7	4.2
140°-150°	264.3	4.3
150°-160°	226.8	3.7
160°-170°	152.2	2.5
170°-180°	53.3	0.9
0°-90°	4752.3	77.2
0°-180°	6152.1	100.0



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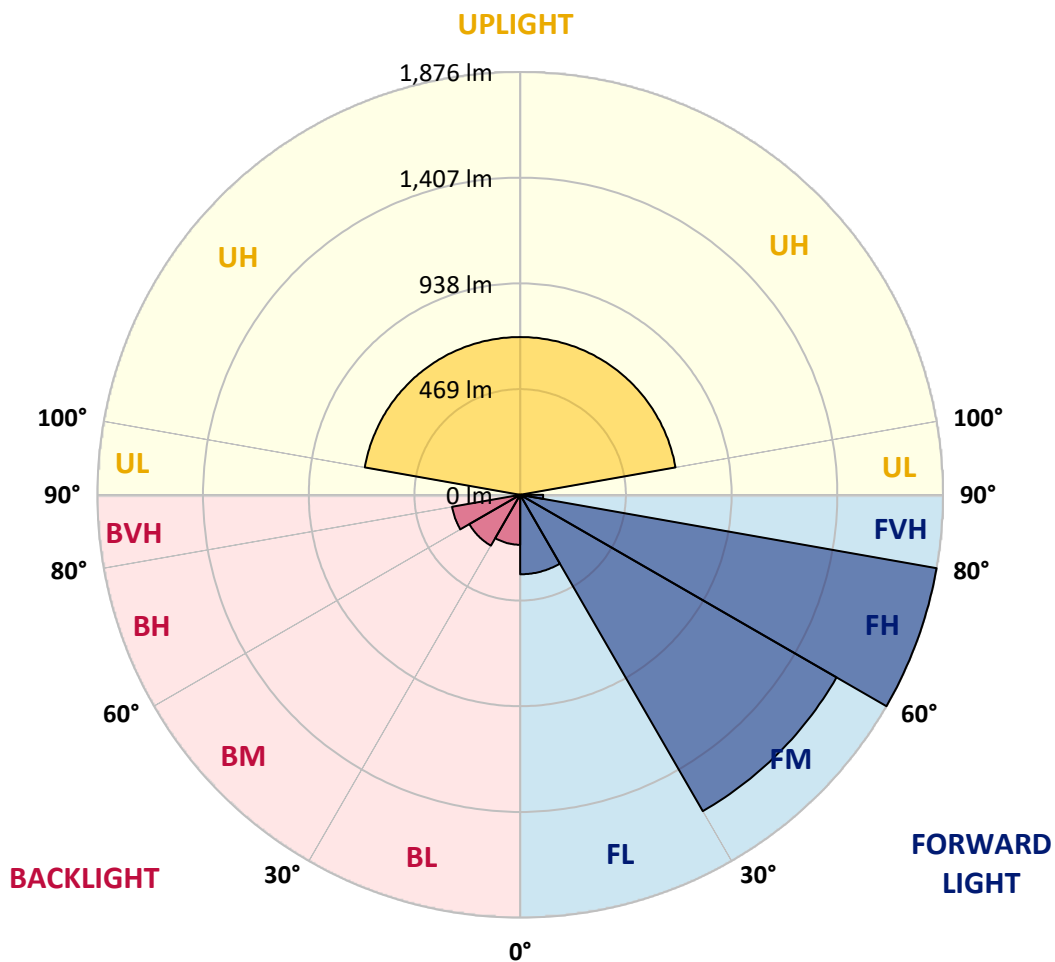
CATALOG NUMBER: ISS-AF-1000-LED-E1-SL2-7027-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	352.6	5.7			
FM (30°-60°)	1620.6	26.3			
FH (60°-80°)	1876.0	30.5			G2/5000
FVH (80°-90°)	102.3	1.7			G2/225
BL (0°-30°)	221.7	3.6	B1/500		
BM (30°-60°)	260.2	4.2	B1/1000		
BH (60°-80°)	306.5	5.0	B1/500		G1/500
BVH (80°-90°)	12.4	0.2			G1/100
UL (90°-100°)	4.7	0.1		U1/10	
UH (100°-180°)	699.9	11.4		U4/1000	

BUG Rating: B1-U5-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°	50°
0°	990.3	990.3	990.3	990.3	990.3	990.3	990.3	990.3	990.3	990.3	990.3
2.5°	972.1	968.7	968.7	973.8	982.0	975.4	980.4	980.4	982.0	987.0	988.7
5°	900.7	894.2	900.7	907.4	925.6	922.3	927.3	932.4	942.2	943.8	957.1
7.5°	836.1	832.8	837.7	851.0	874.2	867.5	874.2	880.9	892.5	897.5	910.7
10°	786.3	781.3	787.9	798.0	821.1	819.4	822.8	831.1	844.4	847.7	864.3
12.5°	749.7	749.7	753.0	766.3	786.3	784.6	794.6	799.5	811.2	814.5	832.8
15°	731.6	726.5	733.2	744.9	764.7	764.7	771.4	776.3	792.9	794.6	811.2
17.5°	715.1	716.6	718.3	731.6	749.7	746.5	754.8	758.1	776.3	773.0	792.9
20°	715.1	718.3	716.6	724.9	738.1	731.6	741.6	743.2	763.1	758.1	779.7
22.5°	734.8	738.1	733.2	731.6	736.5	731.6	736.5	739.8	754.8	751.4	771.4
25°	769.7	776.3	769.7	758.1	753.0	739.8	743.2	748.2	759.8	751.4	769.7
27.5°	824.5	829.5	817.7	806.2	783.0	768.1	763.1	761.4	774.7	761.4	776.3
30°	887.4	894.2	884.1	862.6	829.5	804.5	794.6	789.6	798.0	778.0	792.9
32.5°	955.4	962.2	955.4	938.9	894.2	857.6	844.4	832.8	839.4	812.9	819.4
35°	1025.1	1031.8	1038.4	1028.5	970.3	928.9	907.4	897.5	895.8	862.6	864.3
37.5°	1086.5	1093.1	1114.8	1124.7	1071.6	1015.3	995.3	973.8	975.4	928.9	928.9
40°	1161.1	1169.5	1197.7	1220.9	1186.1	1118.1	1094.9	1071.6	1071.6	1010.2	1011.9
42.5°	1262.4	1272.3	1290.5	1322.0	1310.4	1240.8	1215.9	1184.4	1187.6	1114.8	1113.1
45°	1405.1	1411.7	1411.7	1431.6	1433.2	1367.0	1350.3	1318.8	1325.4	1232.6	1237.4
47.5°	1590.8	1582.5	1549.4	1561.0	1574.2	1504.6	1489.7	1469.8	1478.0	1378.4	1388.5
50°	1763.4	1756.7	1688.7	1692.0	1740.2	1668.8	1663.8	1639.0	1650.5	1551.0	1565.9
52.5°	1828.1	1816.5	1748.4	1784.9	1919.3	1879.4	1887.8	1876.2	1882.8	1776.6	1773.3
55°	1755.1	1755.1	1713.6	1779.9	2053.6	2075.3	2143.3	2169.8	2198.0	2091.8	2068.5
57.5°	1552.7	1565.9	1572.7	1690.4	2032.1	2125.0	2254.4	2367.1	2511.5	2504.8	2539.7
60°	1217.7	1240.8	1279.0	1471.4	1939.2	2091.8	2259.3	2428.6	2627.6	2755.3	2944.5
62.5°	854.3	874.2	905.7	1038.4	1668.8	1930.9	2173.1	2433.5	2687.3	2888.1	3136.9
65°	580.7	600.4	666.8	739.8	1006.9	1388.5	1758.4	2189.7	2576.2	2949.5	3284.6
67.5°	418.0	429.6	481.0	603.8	670.1	739.8	877.6	1385.2	1861.2	2612.7	3102.0
70°	313.5	325.2	371.6	507.6	588.9	607.2	640.3	730.0	851.0	1468.1	2110.1
71°	262.0	278.7	335.1	477.8	585.5	600.4	615.4	668.5	708.3	1038.4	1565.9
72.5°	184.2	195.7	248.8	441.2	562.4	597.2	632.0	630.4	627.1	708.3	947.3
75°	117.8	117.8	117.8	248.8	600.4	579.0	592.3	663.6	627.1	595.6	623.7
77.5°	92.9	91.3	86.2	124.4	469.5	587.2	622.1	640.3	675.2	622.1	593.9
80°	69.7	68.0	68.0	78.0	217.3	379.8	525.9	583.9	608.8	661.9	603.8
82.5°	36.5	36.5	39.9	46.4	81.3	132.7	272.1	447.9	501.0	504.3	509.2
85°	11.6	9.9	13.3	21.6	34.9	43.1	76.3	180.8	268.8	325.2	343.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	6.6	11.6	14.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
97.5°	2.0	2.0	2.0	3.0	4.0	5.1	6.4	7.6	8.8	9.8	10.8
100°	7.8	7.8	9.8	13.7	21.6	23.5	25.5	27.5	29.5	29.9	30.5
102.5°	27.5	27.5	31.4	37.3	44.2	45.4	46.6	47.9	49.0	49.2	49.6
105°	53.0	53.0	55.0	59.8	64.8	65.8	66.7	67.7	68.7	68.9	69.2
107.5°	76.5	75.5	78.5	82.5	86.3	87.1	87.9	88.6	89.3	89.8	90.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°	50°
110°	99.2	100.1	101.1	104.0	108.0	108.4	109.0	109.4	110.0	110.4	110.9
112.5°	121.7	121.7	123.7	126.6	129.5	130.1	130.5	131.1	131.5	132.1	132.5
115°	143.3	144.3	146.2	148.2	151.2	151.6	152.2	152.6	153.1	153.6	154.1
117.5°	165.8	166.8	168.8	170.8	173.7	174.2	174.7	175.2	175.7	175.9	176.2
120°	189.5	191.4	192.3	194.3	197.3	197.4	197.8	198.1	198.3	198.7	199.2
122.5°	215.0	216.0	216.9	218.8	221.8	222.0	222.3	222.6	222.8	223.0	223.3
125°	239.5	241.5	242.5	243.4	246.3	246.6	246.9	247.1	247.3	247.6	247.8
127.5°	262.0	264.0	265.0	267.0	269.0	269.4	269.9	270.4	270.9	271.4	271.8
130°	284.7	286.6	287.5	288.5	292.5	292.7	292.9	293.3	293.5	293.9	294.5
132.5°	307.2	308.2	311.2	312.1	315.0	315.2	315.6	315.8	316.0	316.8	317.6
135°	329.8	330.8	332.7	334.7	338.6	338.6	338.6	338.6	338.6	339.4	340.1
137.5°	352.3	353.3	356.3	357.3	360.2	360.2	360.2	360.2	360.2	360.7	361.2
140°	375.0	375.9	377.8	378.8	380.8	381.0	381.3	381.6	381.8	382.0	382.3
142.5°	396.5	398.5	400.5	399.5	402.4	402.4	402.4	402.4	402.4	402.9	403.4
145°	417.2	418.1	420.0	420.0	423.0	423.2	423.6	423.8	424.0	424.4	425.0
147.5°	435.8	435.8	438.7	439.7	443.7	443.9	444.1	444.4	444.6	444.8	445.1
150°	452.5	453.5	455.4	456.4	460.3	460.5	460.8	461.1	461.3	461.5	461.8
152.5°	470.2	471.1	474.0	473.0	476.0	476.2	476.6	476.8	477.0	477.2	477.4
155°	489.8	490.7	492.7	491.7	493.7	493.7	493.7	493.7	493.7	493.9	494.2
157.5°	503.5	505.5	507.5	506.5	509.4	509.4	509.4	509.4	509.4	509.4	509.4
160°	515.3	517.2	519.2	519.2	522.2	522.2	522.2	522.2	522.2	522.2	522.2
162.5°	525.1	526.0	529.0	528.0	531.0	531.0	531.0	531.0	531.0	531.2	531.4
165°	535.9	536.8	538.8	537.8	541.8	541.8	541.8	541.8	541.8	541.9	542.3
167.5°	544.7	545.7	548.7	547.7	550.6	550.4	550.1	549.9	549.7	549.7	549.7
170°	551.6	552.5	555.5	554.5	556.5	556.3	556.1	555.7	555.5	555.3	555.1
172.5°	554.5	555.5	558.5	556.5	558.5	558.3	557.9	557.7	557.5	557.7	557.9
175°	556.5	558.5	559.5	558.5	561.4	561.4	561.4	561.4	561.4	561.6	561.9
177.5°	561.4	562.4	564.3	563.3	567.3	567.1	566.8	566.5	566.3	566.3	566.3
180°	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3



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CANDELA DISTRIBUTION (continued):

	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	68°	70°	72.5°	75°
0°	990.3	990.3	990.3	990.3	990.3	990.3	990.3	990.3	990.3	990.3	990.3
2.5°	983.7	990.3	985.4	992.0	983.7	993.6	985.4	990.3	992.0	985.4	993.6
5°	948.9	968.7	962.2	977.1	970.3	983.7	977.1	990.3	990.3	985.4	997.0
7.5°	905.7	925.6	927.3	942.2	942.2	958.9	958.9	972.1	978.7	978.7	995.3
10°	862.6	880.9	884.1	900.7	904.1	924.0	924.0	942.2	955.4	960.5	980.4
12.5°	829.5	852.6	852.6	870.9	867.5	897.5	900.7	917.3	930.6	942.2	968.7
15°	809.6	831.1	831.1	849.3	846.0	875.8	880.9	897.5	917.3	924.0	960.5
17.5°	789.6	811.2	806.2	831.1	829.5	862.6	859.3	884.1	900.7	910.7	952.1
20°	773.0	798.0	794.6	819.4	812.9	849.3	849.3	874.2	890.8	899.1	947.3
22.5°	764.7	791.2	784.6	809.6	804.5	841.0	841.0	866.0	884.1	897.5	945.6
25°	764.7	787.9	781.3	809.6	801.2	841.0	839.4	864.3	882.6	894.2	947.3
27.5°	768.1	791.2	786.3	812.9	806.2	841.0	844.4	866.0	884.1	897.5	950.6
30°	779.7	801.2	789.6	814.5	809.6	842.7	841.0	864.3	882.6	899.1	950.6
32.5°	804.5	816.2	801.2	822.8	812.9	846.0	846.0	862.6	884.1	904.1	950.6
35°	839.4	847.7	824.5	839.4	821.1	854.3	852.6	870.9	887.4	904.1	953.8
37.5°	889.1	899.1	862.6	875.8	846.0	872.5	866.0	887.4	904.1	914.0	970.3
40°	963.8	967.1	919.0	928.9	887.4	910.7	894.2	924.0	932.4	938.9	995.3
42.5°	1055.0	1058.3	997.0	1003.6	950.6	970.3	942.2	973.8	985.4	983.7	1045.1
45°	1167.9	1169.5	1099.9	1104.7	1043.4	1060.0	1025.1	1051.7	1060.0	1055.0	1118.1
47.5°	1290.5	1303.9	1225.8	1232.6	1167.9	1176.2	1133.0	1162.9	1162.9	1157.8	1222.5
50°	1453.2	1473.0	1381.9	1391.7	1317.2	1323.7	1274.0	1305.5	1302.3	1288.9	1361.9
52.5°	1655.6	1673.8	1577.5	1590.8	1511.2	1514.5	1453.2	1489.7	1479.7	1458.1	1542.7
55°	1902.7	1904.4	1814.8	1826.3	1746.8	1741.8	1665.5	1710.2	1695.3	1665.5	1743.4
57.5°	2299.1	2251.1	2103.4	2100.1	2013.8	2007.3	1909.3	1964.1	1939.2	1876.2	1979.0
60°	2937.7	2952.8	2576.2	2518.1	2357.2	2327.4	2198.0	2261.0	2231.1	2128.4	2229.5
62.5°	3297.8	3535.0	3511.7	3302.8	2888.1	2775.2	2556.3	2631.0	2552.9	2402.0	2496.6
65°	3564.8	3886.7	4072.5	4273.1	4087.4	3626.3	3108.7	3213.1	3022.3	2735.4	2826.7
67.5°	3664.4	4052.5	4444.1	4729.4	4923.4	4958.3	4359.5	4387.6	3918.1	3344.2	3355.9
70°	3143.5	3715.7	4482.3	4843.8	5228.7	5417.8	5480.8	5450.9	5147.4	4334.5	4024.4
71°	2664.1	3357.5	4329.7	4732.7	5225.4	5407.9	5573.7	5517.3	5376.4	4727.7	4251.6
72.5°	1804.9	2675.7	3883.4	4394.3	5051.2	5183.8	5432.7	5333.1	5303.3	5021.3	4463.9
75°	849.3	1333.7	2526.4	3299.5	4274.9	4402.5	4663.0	4540.2	4462.3	4558.4	4246.6
77.5°	625.4	728.3	1386.8	2050.3	3108.7	3289.5	3513.5	3362.4	3262.9	3359.1	3141.8
80°	569.0	572.3	718.3	1081.6	1854.6	1962.3	2047.0	1924.3	1773.3	1766.7	1565.9
82.5°	524.3	496.0	466.1	572.3	950.6	904.1	836.1	774.7	602.1	482.7	348.4
85°	333.5	364.9	331.7	313.5	378.3	311.8	247.1	237.2	167.5	112.7	104.6
87.5°	23.3	26.5	31.5	36.5	44.7	36.5	23.3	28.2	16.6	0.0	8.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
97.5°	11.8	12.8	11.3	9.8	8.4	6.8	6.4	6.3	5.9	5.4	4.9
100°	30.9	31.4	30.9	30.5	29.9	29.5	28.7	28.6	27.9	27.3	26.5
102.5°	49.9	50.0	49.9	49.6	49.2	49.0	48.6	48.5	48.1	47.6	47.1
105°	69.5	69.7	69.7	69.7	69.7	69.7	69.2	69.1	68.7	68.2	67.7
107.5°	90.8	91.3	91.1	90.8	90.5	90.3	90.1	90.0	89.8	89.5	89.3



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CANDELA DISTRIBUTION (continued):

	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	68°	70°	72.5°	75°
110°	111.4	111.9	111.9	111.9	111.9	111.9	111.7	111.6	111.4	111.1	110.9
112.5°	132.9	133.5	133.5	133.5	133.5	133.5	133.3	133.2	132.9	132.7	132.5
115°	154.6	155.0	155.0	155.0	155.0	155.0	155.0	155.0	155.0	155.0	155.0
117.5°	176.4	176.7	176.9	177.1	177.4	177.7	177.4	177.3	177.1	176.9	176.7
120°	199.7	200.2	200.2	200.2	200.2	200.2	200.2	200.2	200.2	200.2	200.2
122.5°	223.6	223.8	223.8	223.8	223.8	223.8	223.9	224.0	224.3	224.6	224.8
125°	248.1	248.3	248.5	248.8	249.1	249.3	249.3	249.3	249.3	249.3	249.3
127.5°	272.4	272.8	272.6	272.4	272.1	271.8	272.1	272.2	272.4	272.6	272.8
130°	294.9	295.5	295.5	295.5	295.5	295.5	295.6	295.7	295.9	296.2	296.4
132.5°	318.2	319.0	319.0	319.0	319.0	319.0	319.2	319.3	319.4	319.8	320.0
135°	340.7	341.5	341.5	341.5	341.5	341.5	341.7	341.9	342.1	342.3	342.5
137.5°	361.7	362.2	362.2	362.2	362.2	362.2	362.4	362.5	362.6	362.9	363.2
140°	382.6	382.8	382.8	382.8	382.8	382.8	383.3	383.4	383.8	384.3	384.7
142.5°	403.9	404.3	404.3	404.3	404.3	404.3	404.6	404.7	404.9	405.1	405.3
145°	425.4	426.0	425.8	425.4	425.2	425.0	425.2	425.3	425.4	425.8	426.0
147.5°	445.4	445.6	445.1	444.6	444.1	443.7	443.9	443.9	444.1	444.4	444.6
150°	462.1	462.3	461.8	461.3	460.8	460.3	460.3	460.3	460.3	460.3	460.3
152.5°	477.8	478.0	477.8	477.4	477.2	477.0	477.0	477.0	477.0	477.0	477.0
155°	494.4	494.7	494.4	494.2	493.9	493.7	493.9	494.0	494.2	494.4	494.7
157.5°	509.4	509.4	508.9	508.4	507.9	507.5	507.6	507.7	507.9	508.2	508.4
160°	522.2	522.2	521.6	521.2	520.7	520.2	520.2	520.2	520.2	520.2	520.2
162.5°	531.8	532.0	531.4	531.0	530.4	530.0	529.6	529.4	529.0	528.6	528.0
165°	542.6	542.8	541.9	541.3	540.6	539.8	539.3	539.3	538.8	538.4	537.8
167.5°	549.7	549.7	549.1	548.7	548.1	547.7	547.9	548.0	548.1	548.4	548.7
170°	554.7	554.5	554.3	554.1	553.7	553.5	554.1	554.2	554.5	555.1	555.5
172.5°	558.3	558.5	557.9	557.5	556.9	556.5	556.7	556.8	556.9	557.3	557.5
175°	562.2	562.4	561.6	560.9	560.3	559.5	558.9	558.8	558.5	557.9	557.5
177.5°	566.3	566.3	565.6	564.9	564.1	563.3	563.3	563.3	563.3	563.3	563.3
180°	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3



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CANDELA DISTRIBUTION (continued):

	77.5°	80°	85°	90°	95°	100°	102.5°	105°	107.5°	110°	112.5°
0°	990.3	990.3	990.3	990.3	990.3	990.3	990.3	990.3	990.3	990.3	990.3
2.5°	982.0	990.3	993.6	992.0	988.7	985.4	973.8	982.0	970.3	978.7	968.7
5°	987.0	998.6	1000.4	997.0	993.6	987.0	967.1	978.7	965.5	972.1	957.1
7.5°	985.4	1003.6	1005.2	1001.9	995.3	983.7	963.8	972.1	950.6	955.4	935.6
10°	977.1	1003.6	1005.2	997.0	987.0	968.7	945.6	948.9	927.3	927.3	900.7
12.5°	968.7	1000.4	1008.5	997.0	980.4	955.4	928.9	925.6	900.7	899.1	869.2
15°	968.7	1003.6	1015.3	1000.4	975.4	940.5	909.1	902.3	874.2	866.0	832.8
17.5°	967.1	1003.6	1020.1	1000.4	970.3	925.6	885.8	879.2	842.7	829.5	791.2
20°	965.5	1006.9	1023.5	997.0	955.4	907.4	862.6	849.3	809.6	787.9	743.2
22.5°	963.8	1013.6	1026.9	993.6	945.6	884.1	837.7	814.5	768.1	739.8	686.8
25°	972.1	1021.8	1028.5	990.3	930.6	859.3	809.6	778.0	726.5	690.1	627.1
27.5°	975.4	1030.2	1031.8	983.7	912.4	832.8	779.7	736.5	678.5	633.7	562.4
30°	985.4	1031.8	1026.9	970.3	890.8	799.5	744.9	691.8	627.1	569.0	484.4
32.5°	988.7	1036.7	1023.5	955.4	869.2	766.3	705.0	643.6	565.7	497.6	394.9
35°	995.3	1040.1	1020.1	947.3	846.0	731.6	663.6	593.9	504.3	418.0	300.2
37.5°	1005.2	1055.0	1028.5	943.8	834.3	701.7	617.0	542.5	431.3	330.0	199.1
40°	1030.2	1085.0	1043.4	948.9	826.1	676.9	572.3	489.4	348.4	243.9	137.7
42.5°	1079.9	1136.3	1081.6	973.8	831.1	655.2	525.9	432.9	263.7	174.2	114.4
45°	1154.5	1202.7	1144.6	1015.3	851.0	643.6	482.7	375.0	189.1	139.3	104.6
47.5°	1264.1	1310.4	1237.4	1081.6	885.8	638.7	437.9	313.5	146.0	126.1	101.1
50°	1408.4	1463.1	1371.8	1186.1	950.6	643.6	389.9	255.5	127.6	122.8	99.5
52.5°	1585.9	1639.0	1547.7	1340.3	1056.7	671.8	338.4	222.3	121.1	121.1	97.8
55°	1786.5	1861.2	1771.6	1554.3	1220.9	733.2	307.0	210.7	121.1	122.8	96.2
57.5°	2023.8	2086.9	2007.3	1760.0	1418.3	834.3	310.3	222.3	121.1	122.8	94.5
60°	2256.0	2334.0	2242.8	2022.2	1643.9	987.0	378.3	282.0	126.1	127.6	94.5
62.5°	2498.3	2557.9	2483.3	2251.1	1899.4	1176.2	514.2	408.1	146.0	150.9	101.1
65°	2763.6	2861.6	2783.6	2592.8	2261.0	1478.0	773.0	612.1	215.6	175.9	111.1
67.5°	3223.2	3262.9	3224.7	3050.6	2684.0	1726.8	920.7	622.1	215.6	170.9	124.4
70°	3845.3	3755.6	3584.8	3259.6	2728.8	1549.4	660.3	379.8	184.2	162.5	131.1
71°	3989.6	3851.8	3599.7	3208.2	2635.9	1398.4	512.7	300.2	172.6	159.3	131.1
72.5°	4077.5	3871.8	3490.3	3057.2	2453.5	1101.5	338.4	235.5	157.7	150.9	126.1
75°	3963.1	3583.1	3082.2	2645.9	2008.9	572.3	212.3	179.1	134.4	131.1	109.4
77.5°	3146.9	2813.4	2274.3	1922.6	1292.2	253.8	152.6	136.0	106.2	102.9	84.6
80°	1468.1	1177.8	690.1	592.3	406.4	149.3	104.6	92.9	76.3	73.0	59.6
82.5°	267.1	200.7	155.9	150.9	136.0	87.9	61.4	56.4	48.1	46.4	38.2
85°	91.3	87.9	66.4	66.4	68.0	46.4	34.9	33.1	25.0	25.0	16.6
87.5°	1.7	8.4	8.4	11.6	9.9	8.4	3.3	5.0	1.7	5.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
97.5°	4.7	4.4	4.0	4.0	4.0	4.4	4.7	4.9	5.4	5.9	6.4
100°	26.3	26.1	25.5	24.5	25.5	26.1	26.3	26.5	27.3	27.9	28.7
102.5°	47.3	47.6	48.1	47.1	48.1	47.6	47.3	47.1	47.6	48.1	48.6
105°	68.2	68.7	69.7	67.7	69.7	68.7	68.2	67.7	68.2	68.7	69.2
107.5°	89.5	89.8	90.3	89.3	90.3	89.8	89.5	89.3	89.5	89.8	90.1



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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	77.5°	80°	85°	90°	95°	100°	102.5°	105°	107.5°	110°	112.5°	
110°	111.1	111.4	111.9	110.9	111.9	111.4	111.1	110.9	111.1	111.4	111.7	0°
112.5°	132.9	133.5	134.5	132.5	134.5	133.5	132.9	132.5	132.7	132.9	133.3	2.5°
115°	155.6	156.0	157.0	156.0	157.0	156.0	155.6	155.0	155.0	155.0	155.0	5°
117.5°	177.1	177.7	178.7	176.7	178.7	177.7	177.1	176.7	176.9	177.1	177.4	7.5°
120°	200.7	201.2	202.2	200.2	202.2	201.2	200.7	200.2	200.2	200.2	200.2	10°
122.5°	225.7	226.7	228.7	227.7	228.7	226.7	225.7	224.8	224.6	224.3	223.9	12.5°
125°	250.1	250.8	252.2	251.3	252.2	250.8	250.1	249.3	249.3	249.3	249.3	15°
127.5°	273.6	274.3	275.8	272.8	275.8	274.3	273.6	272.8	272.6	272.4	272.1	17.5°
130°	297.2	297.9	299.3	297.4	299.3	297.9	297.2	296.4	296.2	295.9	295.6	20°
132.5°	320.8	321.4	322.9	321.0	322.9	321.4	320.8	320.0	319.8	319.4	319.2	22.5°
135°	343.1	343.5	344.5	343.5	344.5	343.5	343.1	342.5	342.3	342.1	341.7	25°
137.5°	364.2	365.1	367.0	365.1	367.0	365.1	364.2	363.2	362.9	362.6	362.4	27.5°
140°	385.7	386.7	388.7	386.7	388.7	386.7	385.7	384.7	384.3	383.8	383.3	30°
142.5°	406.1	406.8	408.3	407.3	408.3	406.8	406.1	405.3	405.1	404.9	404.6	32.5°
145°	426.8	427.4	428.9	427.0	428.9	427.4	426.8	426.0	425.8	425.4	425.2	35°
147.5°	445.4	446.1	447.5	444.6	447.5	446.1	445.4	444.6	444.4	444.1	443.9	37.5°
150°	461.3	462.3	464.2	461.3	464.2	462.3	461.3	460.3	460.3	460.3	460.3	40°
152.5°	477.8	478.4	480.0	477.0	480.0	478.4	477.8	477.0	477.0	477.0	477.0	42.5°
155°	495.4	496.1	497.6	495.7	497.6	496.1	495.4	494.7	494.4	494.2	493.9	45°
157.5°	509.6	510.9	513.3	510.3	513.3	510.9	509.6	508.4	508.2	507.9	507.6	47.5°
160°	520.9	521.6	523.2	521.2	523.2	521.6	520.9	520.2	520.2	520.2	520.2	50°
162.5°	528.6	529.0	530.0	527.0	530.0	529.0	528.6	528.0	528.6	529.0	529.6	52.5°
165°	538.4	538.8	539.8	537.8	539.8	538.8	538.4	537.8	538.4	538.8	539.3	55°
167.5°	549.7	550.6	552.5	550.6	552.5	550.6	549.7	548.7	548.4	548.1	547.9	57.5°
170°	556.7	557.9	560.5	558.5	560.5	557.9	556.7	555.5	555.1	554.5	554.1	60°
172.5°	558.3	558.9	560.5	557.5	560.5	558.9	558.3	557.5	557.3	556.9	556.7	62.5°
175°	558.3	558.9	560.5	557.5	560.5	558.9	558.3	557.5	557.9	558.5	558.9	65°
177.5°	564.1	564.9	566.3	563.3	566.3	564.9	564.1	563.3	563.3	563.3	563.3	67.5°
180°	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	70°
												71°
												72.5°
												75°
												77.5°
												80°
												82.5°
												85°
												87.5°
												90°
												92.5°
												95°
												97.5°
												100°
												102.5°
												105°
												107.5°

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DISTRIBUTION (continued):

CANDELA DISTRIBUTION

115°	117.5°	120°	122.5°	125°	127.5°	130°	135°	145°	155°	165°	110°	115°
990.3	990.3	990.3	990.3	990.3	990.3	990.3	990.3	990.3	990.3	990.3	110°	111.9
977.1	963.8	975.4	963.8	970.3	957.1	965.5	960.5	960.5	955.4	952.1	112.5°	133.5
962.2	945.6	953.8	940.5	947.3	927.3	932.4	924.0	907.4	897.5	884.1	115°	155.0
940.5	915.7	922.3	902.3	907.4	880.9	885.8	870.9	839.4	819.4	799.5	117.5°	177.7
902.3	879.2	880.9	855.9	854.3	827.8	822.8	802.8	756.5	723.2	696.7	120°	200.2
864.3	837.7	834.3	804.5	799.5	768.1	761.4	730.0	661.9	597.2	555.7	122.5°	223.8
824.5	791.2	781.3	749.7	731.6	705.0	686.8	640.3	542.5	457.9	403.1	125°	249.3
779.7	736.5	721.6	685.0	658.5	618.8	592.3	529.2	403.1	311.8	273.7	127.5°	271.8
721.6	675.2	648.6	602.1	567.3	519.2	486.1	404.8	268.8	222.3	217.3	130°	295.5
656.9	602.1	569.0	511.0	467.7	416.4	363.3	273.7	190.8	180.8	187.5	132.5°	319.0
588.9	520.8	477.8	406.4	348.4	288.6	238.9	182.4	155.9	154.3	164.2	135°	341.5
507.6	429.6	368.2	283.7	230.5	184.2	162.5	144.3	132.7	134.4	144.3	137.5°	362.2
418.0	316.8	252.2	177.4	154.3	134.4	131.1	124.4	119.5	122.8	129.4	140°	382.8
311.8	202.4	162.5	127.6	126.1	114.4	117.8	114.4	112.7	114.4	119.5	142.5°	404.3
210.7	134.4	127.6	109.4	112.7	104.6	109.4	107.9	106.2	106.2	109.4	145°	425.0
146.0	111.1	114.4	101.1	106.2	99.5	104.6	102.9	101.1	99.5	101.1	147.5°	443.7
121.1	101.1	106.2	96.2	101.1	94.5	99.5	97.8	96.2	92.9	92.9	150°	460.3
111.1	96.2	101.1	91.3	97.8	89.7	96.2	92.9	89.7	86.2	87.9	152.5°	477.0
107.9	92.9	97.8	87.9	94.5	86.2	91.3	89.7	82.9	81.3	82.9	155°	493.7
104.6	91.3	96.2	86.2	91.3	82.9	87.9	84.6	78.0	76.3	78.0	157.5°	507.5
102.9	87.9	92.9	82.9	87.9	81.3	84.6	81.3	74.6	73.0	73.0	160°	520.2
101.1	86.2	91.3	79.6	84.6	74.6	79.6	76.3	69.7	68.0	68.0	162.5°	530.0
101.1	84.6	87.9	76.3	81.3	71.3	74.6	71.3	68.0	64.7	64.7	165°	539.8
99.5	81.3	86.2	73.0	76.3	68.0	71.3	68.0	63.0	61.4	61.4	167.5°	547.7
99.5	79.6	84.6	71.3	74.6	64.7	68.0	64.7	59.6	58.1	58.1	170°	553.5
104.6	82.9	86.2	73.0	74.6	64.7	66.4	61.4	56.4	56.4	54.8	172.5°	556.5
114.4	92.9	92.9	76.3	76.3	64.7	66.4	59.6	53.1	53.1	53.1	175°	559.5
124.4	102.9	101.1	81.3	79.6	64.7	64.7	56.4	49.8	49.8	49.8	177.5°	563.3
131.1	107.9	104.6	82.9	79.6	63.0	61.4	53.1	46.4	46.4	46.4	180°	565.3
129.4	107.9	102.9	81.3	76.3	59.6	59.6	51.5	44.7	44.7	43.1		
122.8	101.1	96.2	76.3	73.0	56.4	56.4	48.1	41.5	41.5	39.9		
104.6	86.2	81.3	64.7	61.4	49.8	48.1	39.9	36.5	34.9	34.9		
81.3	68.0	63.0	51.5	49.8	39.9	38.2	33.1	29.8	29.8	28.2		
58.1	48.1	44.7	34.9	31.5	26.5	28.2	25.0	23.3	23.3	21.6		
34.9	25.0	25.0	19.9	21.6	16.6	18.2	18.2	16.6	13.3	13.3		
18.2	11.6	14.9	8.4	11.6	5.0	8.4	6.6	6.6	5.0	5.0		
3.3	0.0	1.7	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
6.8	8.4	9.8	11.3	12.8	11.8	10.8	8.8	4.0	3.0	2.0		
29.5	29.9	30.5	30.9	31.4	30.9	30.5	29.5	21.6	13.7	9.8		
49.0	49.2	49.6	49.9	50.0	49.9	49.6	49.0	44.2	37.3	31.4		
69.7	69.7	69.7	69.7	69.7	69.5	69.2	68.7	64.8	59.8	55.0		
90.3	90.5	90.8	91.1	91.3	90.8	90.3	89.3	86.3	82.5	78.5		

'271602
 ISS-AF-1000-LED-E1-SL2-7027-ULG

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TION (continued):

CANDELA DISTRIBUTION (con

117.5°	120°	122.5°	125°	127.5°	130°	135°	145°	155°	165°		175°	180°
111.9	111.9	111.9	111.9	111.4	110.9	110.0	108.0	104.0	101.1	0°	990.3	990.3
133.5	133.5	133.5	133.5	132.9	132.5	131.5	129.5	126.6	123.7	2.5°	942.2	943.8
155.0	155.0	155.0	155.0	154.6	154.1	153.1	151.2	148.2	146.2	5°	877.6	880.9
177.4	177.1	176.9	176.7	176.4	176.2	175.7	173.7	170.8	168.8	7.5°	784.6	789.6
200.2	200.2	200.2	200.2	199.7	199.2	198.3	197.3	194.3	192.3	10°	673.5	676.9
223.8	223.8	223.8	223.8	223.6	223.3	222.8	221.8	218.8	216.9	12.5°	530.8	530.8
249.1	248.8	248.5	248.3	248.1	247.8	247.3	246.3	243.4	242.5	15°	371.6	375.0
272.1	272.4	272.6	272.8	272.4	271.8	270.9	269.0	267.0	265.0	17.5°	260.5	262.0
295.5	295.5	295.5	295.5	294.9	294.5	293.5	292.5	288.5	287.5	20°	219.0	220.6
319.0	319.0	319.0	319.0	318.2	317.6	316.0	315.0	312.1	311.2	22.5°	195.7	197.4
341.5	341.5	341.5	341.5	340.7	340.1	338.6	338.6	334.7	332.7	25°	174.2	175.9
362.2	362.2	362.2	362.2	361.7	361.2	360.2	360.2	357.3	356.3	27.5°	150.9	152.6
382.8	382.8	382.8	382.8	382.6	382.3	381.8	380.8	378.8	377.8	30°	136.0	137.7
404.3	404.3	404.3	404.3	403.9	403.4	402.4	402.4	399.5	400.5	32.5°	122.8	124.4
425.2	425.4	425.8	426.0	425.4	425.0	424.0	423.0	420.0	420.0	35°	111.1	111.1
444.1	444.6	445.1	445.6	445.4	445.1	444.6	443.7	439.7	438.7	37.5°	102.9	102.9
460.8	461.3	461.8	462.3	462.1	461.8	461.3	460.3	456.4	455.4	40°	94.5	94.5
477.2	477.4	477.8	478.0	477.8	477.4	477.0	476.0	473.0	474.0	42.5°	89.7	89.7
493.9	494.2	494.4	494.7	494.4	494.2	493.7	493.7	491.7	492.7	45°	84.6	84.6
507.9	508.4	508.9	509.4	509.4	509.4	509.4	509.4	506.5	507.5	47.5°	79.6	79.6
520.7	521.2	521.6	522.2	522.2	522.2	522.2	522.2	519.2	519.2	50°	74.6	76.3
530.4	531.0	531.4	532.0	531.8	531.4	531.0	531.0	528.0	529.0	52.5°	69.7	69.7
540.6	541.3	541.9	542.8	542.6	542.3	541.8	541.8	537.8	538.8	55°	64.7	64.7
548.1	548.7	549.1	549.7	549.7	549.7	549.7	550.6	547.7	548.7	57.5°	59.6	61.4
553.7	554.1	554.3	554.5	554.7	555.1	555.5	556.5	554.5	555.5	60°	56.4	56.4
556.9	557.5	557.9	558.5	558.3	557.9	557.5	558.5	556.5	558.5	62.5°	53.1	53.1
560.3	560.9	561.6	562.4	562.2	561.9	561.4	561.4	558.5	559.5	65°	51.5	51.5
564.1	564.9	565.6	566.3	566.3	566.3	566.3	567.3	563.3	564.3	67.5°	48.1	48.1
565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	70°	44.7	44.7
										71°	43.1	43.1
										72.5°	39.9	39.9
										75°	34.9	33.1
										77.5°	28.2	28.2
										80°	21.6	19.9
										82.5°	13.3	11.6
										85°	5.0	3.3
										87.5°	0.0	0.0
										90°	0.0	0.0
										92.5°	0.0	0.0
										95°	1.0	1.0
										97.5°	2.0	2.0
										100°	7.8	7.8
										102.5°	27.5	27.5
										105°	53.0	53.0
										107.5°	75.5	76.5



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CANDELA DISTRIBUTION (continued):

	175°	180°
110°	100.1	99.2
112.5°	121.7	121.7
115°	144.3	143.3
117.5°	166.8	165.8
120°	191.4	189.5
122.5°	216.0	215.0
125°	241.5	239.5
127.5°	264.0	262.0
130°	286.6	284.7
132.5°	308.2	307.2
135°	330.8	329.8
137.5°	353.3	352.3
140°	375.9	375.0
142.5°	398.5	396.5
145°	418.1	417.2
147.5°	435.8	435.8
150°	453.5	452.5
152.5°	471.1	470.2
155°	490.7	489.8
157.5°	505.5	503.5
160°	517.2	515.3
162.5°	526.0	525.1
165°	536.8	535.9
167.5°	545.7	544.7
170°	552.5	551.6
172.5°	555.5	554.5
175°	558.5	556.5
177.5°	562.4	561.4
180°	565.3	565.3

(END OF REPORT)

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report

