

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: P271592

Luminaire Tested: **ISS-AF-800-LED-E1-SL2-7027-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271592
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-800-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: 5419.9 lumens
Efficiency: N/A
Efficacy: 90.0 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 - G1

Input Watts (W): 60.2
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

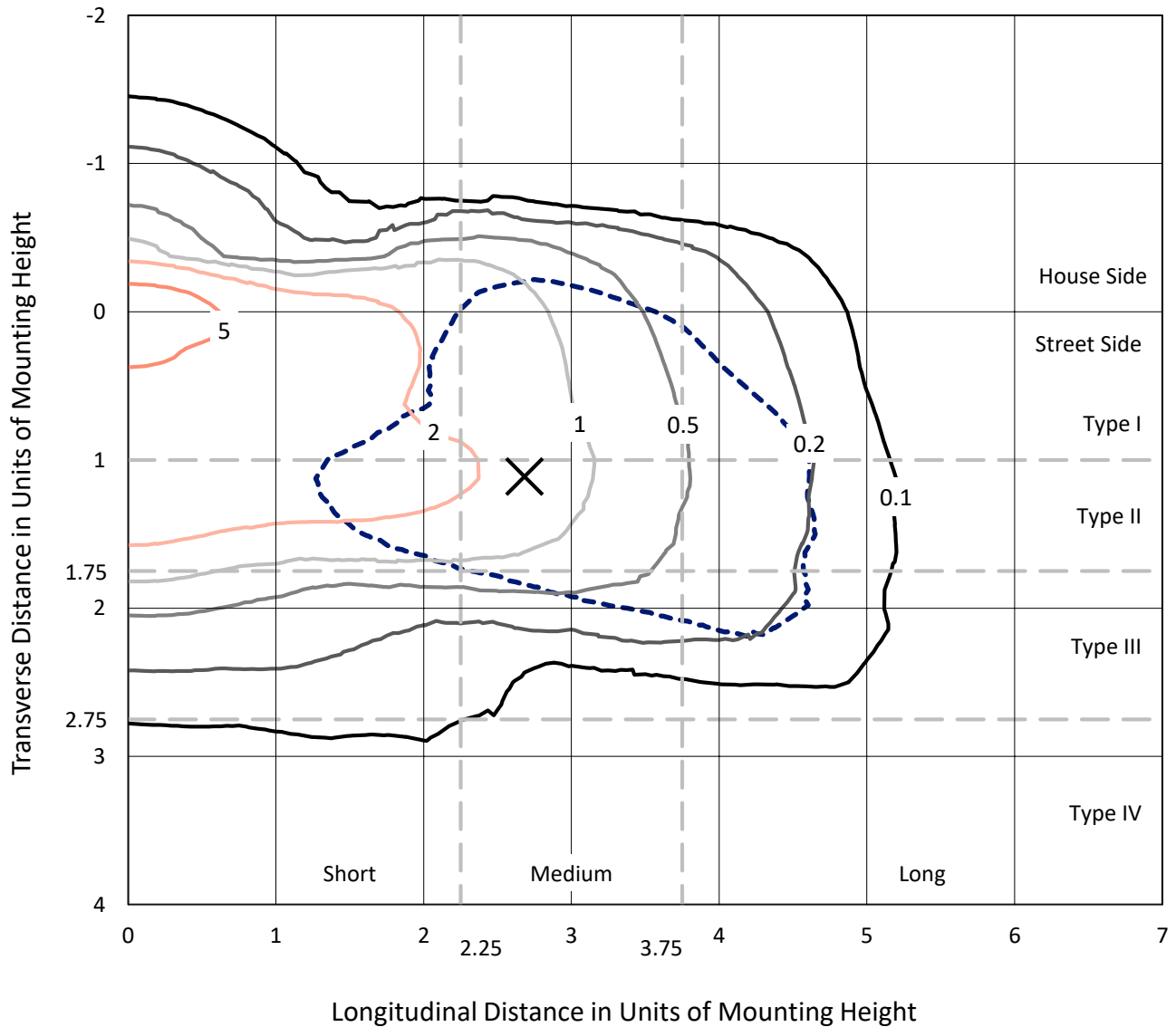


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

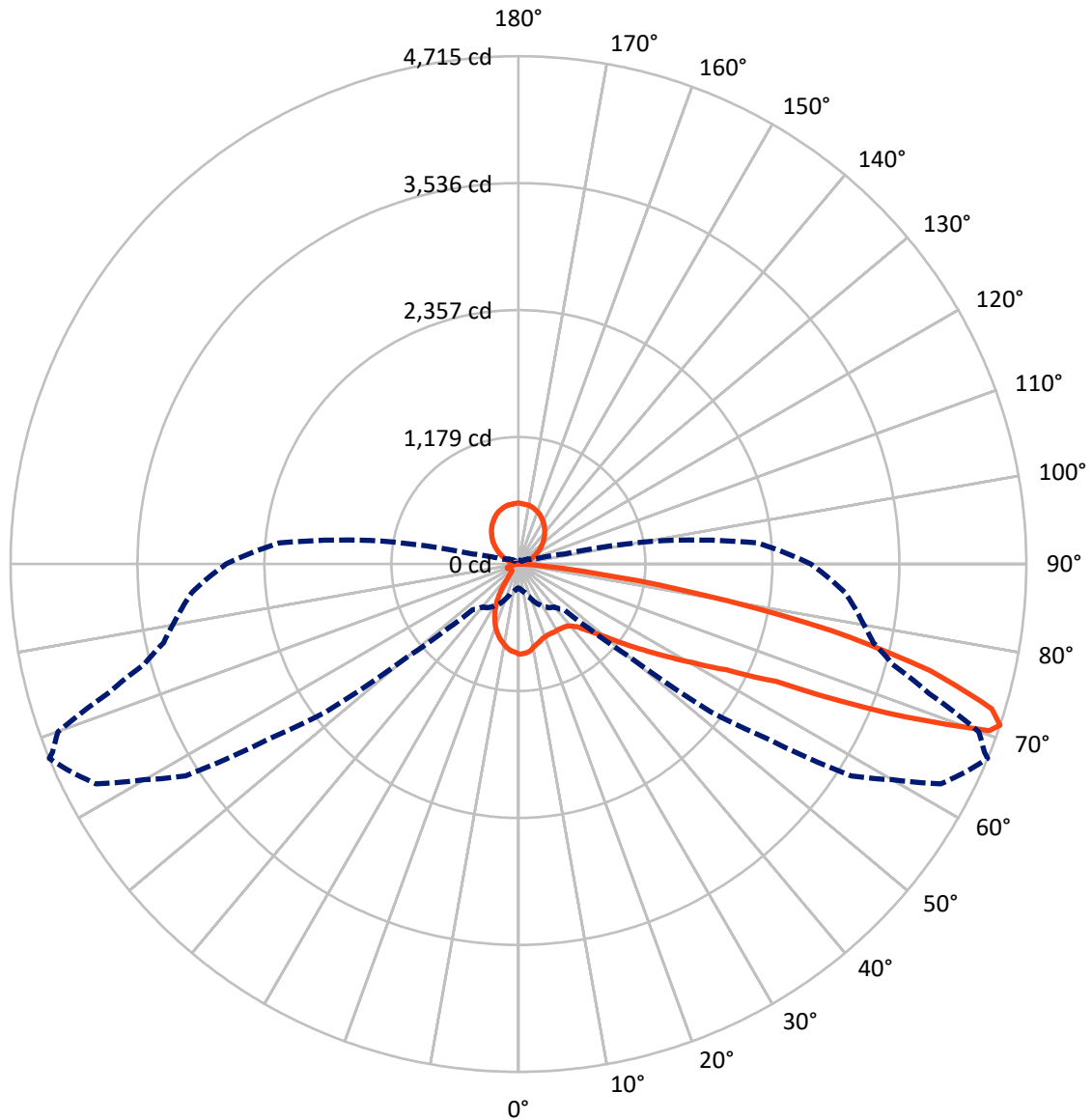


Based on 10 foot mounting height. Maximum calculated value = 8.4 fc
 Type III - Medium - Non-Cutoff

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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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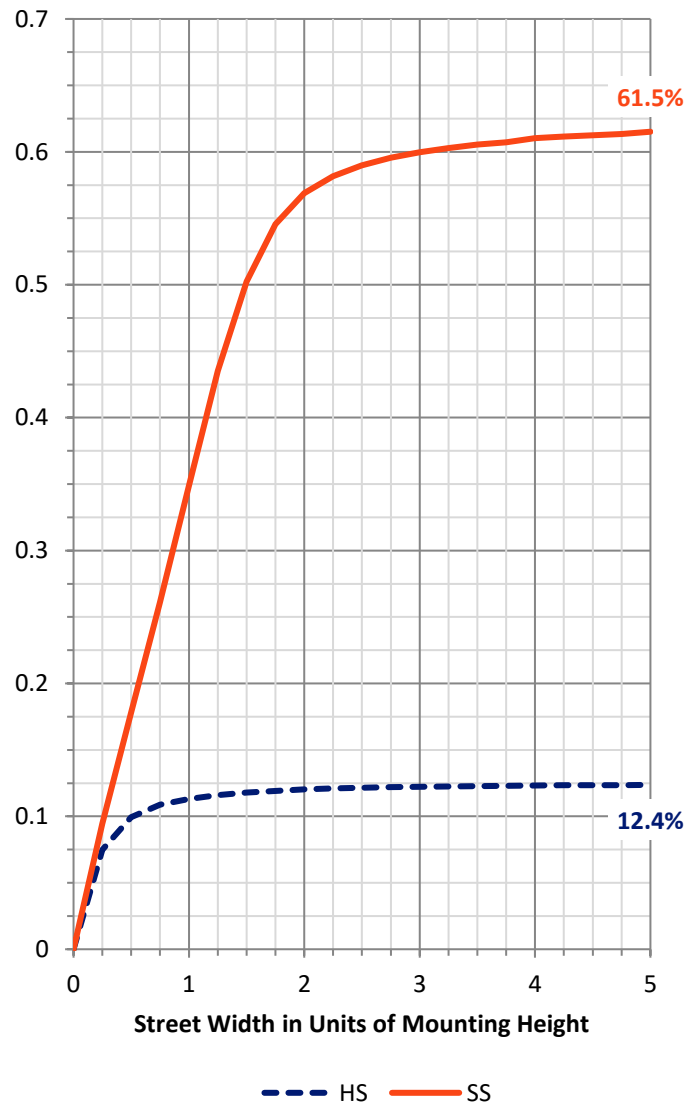
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	677.4	699.9	1377.3
	% Fixture	12.5	12.9	25.4
Street Side	Lumens	3342.7	699.9	4042.6
	% Fixture	61.7	12.9	74.6
Total	Lumens	4020.2	1399.8	5419.9
	% Fixture	74.2	25.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.1	1.3
10°-20°	174.9	3.2
20°-30°	237.8	4.4
30°-40°	325.0	6.0
40°-50°	489.8	9.0
50°-60°	776.2	14.3
60°-70°	1027.6	19.0
70°-80°	818.6	15.1
80°-90°	97.0	1.8
90°-100°	4.7	0.1
100°-110°	67.7	1.2
110°-120°	150.2	2.8
120°-130°	219.7	4.1
130°-140°	260.7	4.8
140°-150°	264.3	4.9
150°-160°	226.8	4.2
160°-170°	152.2	2.8
170°-180°	53.3	1.0
0°-90°	4020.2	74.2
0°-180°	5419.9	100.0



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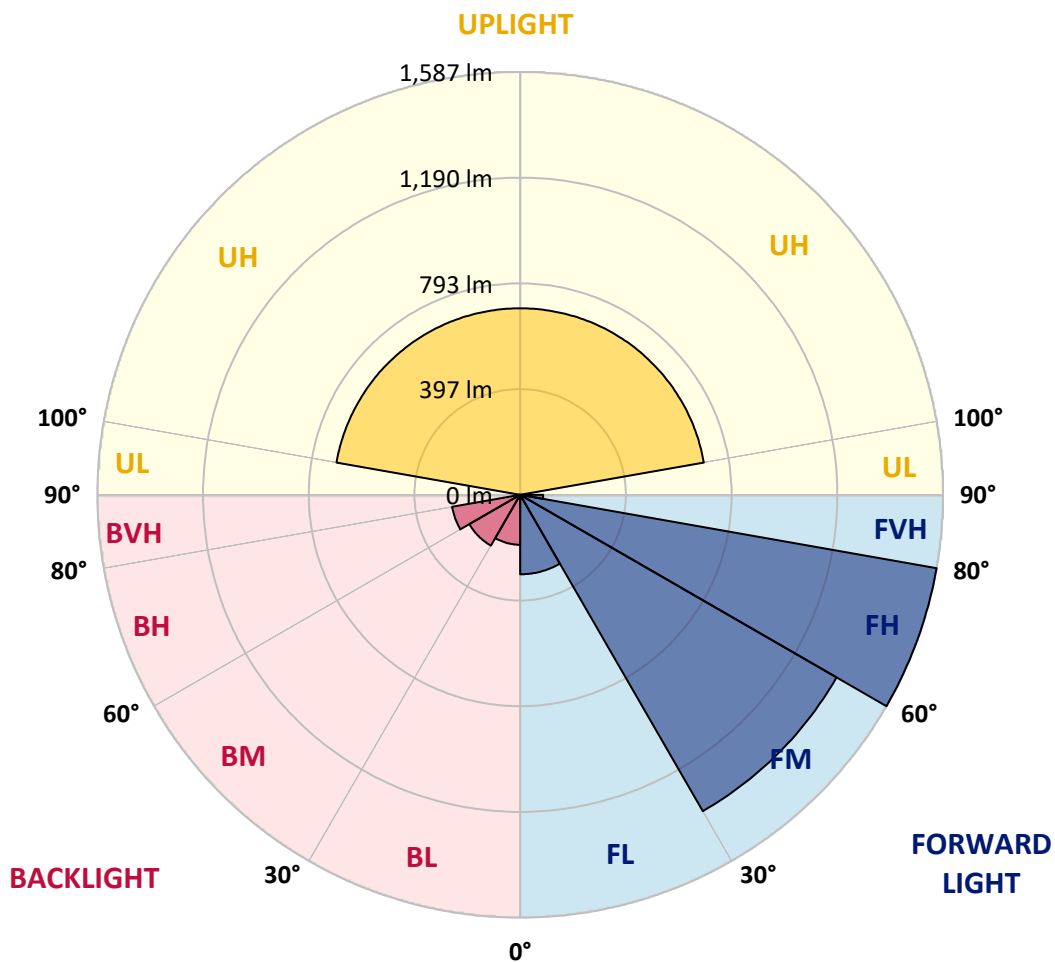
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	298.3	5.5			
FM	(30°-60°)	1370.9	25.3			
FH	(60°-80°)	1586.9	29.3			G1/1800
FVH	(80°-90°)	86.5	1.6			G1/100
BL	(0°-30°)	187.5	3.5	B1/500		
BM	(30°-60°)	220.1	4.1	B1/1000		
BH	(60°-80°)	259.3	4.8	B1/500		G1/500
BVH	(80°-90°)	10.5	0.2			G1/100
UL	(90°-100°)	4.7	0.1		U1/10	
UH	(100°-180°)	699.9	12.9		U4/1000	

BUG Rating: B1-U5-G1

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°	837.8	837.8	837.8	837.8	837.8	837.8	837.8	837.8	837.8	837.8	837.8
2.5°	822.3	819.5	819.5	823.7	830.8	825.1	829.3	829.3	830.8	835.0	836.3
5°	762.0	756.4	762.0	767.6	783.1	780.2	784.4	788.6	797.1	798.4	809.7
7.5°	707.2	704.5	708.7	719.9	739.6	733.9	739.6	745.1	754.9	759.2	770.4
10°	665.1	661.0	666.5	675.0	694.6	693.2	696.1	703.0	714.2	717.0	731.1
12.5°	634.2	634.2	637.1	648.3	665.1	663.8	672.1	676.3	686.1	689.0	704.5
15°	618.8	614.6	620.2	630.1	646.9	646.9	652.5	656.8	670.8	672.1	686.1
17.5°	604.8	606.3	607.6	618.8	634.2	631.5	638.4	641.3	656.8	654.0	670.8
20°	604.8	607.6	606.3	613.3	624.4	618.8	627.3	628.6	645.5	641.3	659.5
22.5°	621.6	624.4	620.2	618.8	623.1	618.8	623.1	625.8	638.4	635.7	652.5
25°	651.1	656.8	651.1	641.3	637.1	625.8	628.6	632.9	642.6	635.7	651.1
27.5°	697.4	701.7	691.9	682.0	662.3	649.7	645.5	644.2	655.3	644.2	656.8
30°	750.7	756.4	748.0	729.7	701.7	680.6	672.1	668.0	675.0	658.2	670.8
32.5°	808.3	814.0	808.3	794.2	756.4	725.5	714.2	704.5	710.1	687.7	693.2
35°	867.2	872.8	878.5	870.0	820.9	785.8	767.6	759.2	757.8	729.7	731.1
37.5°	919.1	924.7	943.0	951.5	906.5	858.8	841.9	823.7	825.1	785.8	785.8
40°	982.3	989.3	1013.2	1032.8	1003.4	945.7	926.2	906.5	906.5	854.6	855.9
42.5°	1067.8	1076.3	1091.7	1118.4	1108.6	1049.7	1028.6	1001.9	1004.8	943.0	941.6
45°	1188.5	1194.2	1194.2	1211.1	1212.4	1156.3	1142.3	1115.5	1121.3	1042.7	1046.9
47.5°	1345.8	1338.7	1310.6	1320.5	1331.6	1272.8	1260.1	1243.3	1250.4	1166.1	1174.5
50°	1491.6	1486.1	1428.6	1431.3	1472.1	1411.7	1407.5	1386.4	1396.2	1312.1	1324.7
52.5°	1546.4	1536.6	1479.1	1509.9	1623.6	1589.9	1597.0	1587.0	1592.8	1503.0	1500.1
55°	1484.7	1484.7	1449.5	1505.6	1737.2	1755.5	1813.0	1835.5	1859.3	1769.5	1749.9
57.5°	1313.4	1324.7	1330.3	1429.9	1719.0	1797.6	1907.0	2002.4	2124.5	2118.9	2148.4
60°	1030.0	1049.7	1081.9	1244.7	1640.5	1769.5	1911.2	2054.3	2222.8	2330.8	2490.8
62.5°	722.7	739.6	766.2	878.5	1411.7	1633.4	1838.3	2058.6	2273.3	2443.1	2653.6
65°	491.1	508.0	564.1	625.8	851.9	1174.5	1487.4	1852.3	2179.3	2495.0	2778.5
67.5°	353.7	363.5	406.9	510.8	566.9	625.8	742.3	1171.7	1574.5	2210.2	2624.1
70°	265.2	275.0	314.4	429.4	498.2	513.7	541.7	617.5	719.9	1241.9	1784.9
71°	221.7	235.7	283.4	404.1	495.3	508.0	520.6	565.6	599.2	878.5	1324.7
72.5°	155.8	165.6	210.6	373.2	475.7	505.2	534.6	533.2	530.4	599.2	801.3
75°	99.6	99.6	99.6	210.6	508.0	489.8	501.0	561.4	530.4	503.8	527.7
77.5°	78.6	77.2	72.9	105.2	397.1	496.8	526.2	541.7	571.1	526.2	502.3
80°	58.9	57.5	57.5	65.9	183.8	321.3	444.8	494.0	515.0	559.9	510.8
82.5°	30.9	30.9	33.7	39.3	68.8	112.3	230.1	378.8	423.8	426.5	430.7
85°	9.8	8.4	11.2	18.2	29.5	36.5	64.6	152.9	227.3	275.0	290.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	5.6	9.8	12.7
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°	837.8	837.8	837.8	837.8	837.8	837.8	837.8	837.8	837.8	837.8	837.8
2.5°	832.1	837.8	833.5	839.2	832.1	840.5	833.5	837.8	839.2	833.5	840.5
5°	802.6	819.5	814.0	826.5	820.9	832.1	826.5	837.8	837.8	833.5	843.4
7.5°	766.2	783.1	784.4	797.1	797.1	811.1	811.1	822.3	828.0	828.0	841.9
10°	729.7	745.1	748.0	762.0	764.7	781.6	781.6	797.1	808.3	812.4	829.3
12.5°	701.7	721.2	721.2	736.7	733.9	759.2	762.0	776.0	787.3	797.1	819.5
15°	684.8	703.0	703.0	718.5	715.7	740.9	745.1	759.2	776.0	781.6	812.4
17.5°	668.0	686.1	682.0	703.0	701.7	729.7	726.9	748.0	762.0	770.4	805.5
20°	654.0	675.0	672.1	693.2	687.7	718.5	718.5	739.6	753.6	760.5	801.3
22.5°	646.9	669.3	663.8	684.8	680.6	711.5	711.5	732.5	748.0	759.2	799.9
25°	646.9	666.5	661.0	684.8	677.8	711.5	710.1	731.1	746.5	756.4	801.3
27.5°	649.7	669.3	665.1	687.7	682.0	711.5	714.2	732.5	748.0	759.2	804.1
30°	659.5	677.8	668.0	689.0	684.8	712.9	711.5	731.1	746.5	760.5	804.1
32.5°	680.6	690.3	677.8	696.1	687.7	715.7	715.7	729.7	748.0	764.7	804.1
35°	710.1	717.0	697.4	710.1	694.6	722.7	721.2	736.7	750.7	764.7	806.9
37.5°	752.2	760.5	729.7	740.9	715.7	738.0	732.5	750.7	764.7	773.2	820.9
40°	815.3	818.1	777.4	785.8	750.7	770.4	756.4	781.6	788.6	794.2	841.9
42.5°	892.5	895.3	843.4	849.0	804.1	820.9	797.1	823.7	833.5	832.1	884.0
45°	987.9	989.3	930.4	934.6	882.7	896.7	867.2	889.7	896.7	892.5	945.7
47.5°	1091.7	1103.0	1037.0	1042.7	987.9	995.0	958.4	983.7	983.7	979.5	1034.2
50°	1229.3	1246.1	1169.0	1177.4	1114.2	1119.7	1077.7	1104.4	1101.6	1090.4	1152.1
52.5°	1400.5	1415.9	1334.5	1345.8	1278.4	1281.3	1229.3	1260.1	1251.7	1233.5	1305.1
55°	1609.5	1610.9	1535.1	1545.1	1477.6	1473.4	1408.9	1446.8	1434.1	1408.9	1474.8
57.5°	1944.9	1904.2	1779.4	1776.6	1703.5	1698.0	1615.2	1661.4	1640.5	1587.0	1674.1
60°	2485.3	2497.7	2179.3	2130.2	1994.1	1968.7	1859.3	1912.6	1887.4	1800.5	1886.0
62.5°	2789.7	2990.4	2970.8	2793.9	2443.1	2347.7	2162.4	2225.6	2159.6	2032.0	2111.9
65°	3015.6	3287.9	3445.0	3614.8	3457.7	3067.5	2629.7	2718.1	2556.8	2314.0	2391.2
67.5°	3099.8	3428.2	3759.4	4000.7	4164.9	4194.4	3687.8	3711.7	3314.6	2829.0	2838.8
70°	2659.3	3143.3	3791.7	4097.6	4423.2	4583.2	4636.4	4611.1	4354.4	3666.7	3404.4
71°	2253.7	2840.2	3662.5	4003.6	4420.3	4574.7	4714.9	4667.2	4548.0	3999.3	3596.5
72.5°	1526.8	2263.5	3285.0	3717.3	4273.0	4385.3	4595.7	4511.5	4486.2	4247.6	3776.1
75°	718.5	1128.2	2137.2	2791.1	3616.3	3724.2	3944.5	3840.7	3774.8	3856.2	3592.4
77.5°	529.0	616.1	1173.2	1734.4	2629.7	2782.7	2972.1	2844.4	2760.2	2841.6	2657.7
80°	481.3	484.2	607.6	914.9	1568.9	1660.1	1731.7	1627.8	1500.1	1494.5	1324.7
82.5°	443.4	419.6	394.4	484.2	804.1	764.7	707.2	655.3	509.4	408.4	294.6
85°	282.1	308.7	280.6	265.2	320.0	263.8	209.0	200.7	141.8	95.4	88.4
87.5°	19.7	22.5	26.7	30.9	37.9	30.9	19.7	23.9	14.0	0.0	7.0
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°	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°	837.8	837.8	837.8	837.8	837.8	837.8	837.8	837.8	837.8	837.8	837.8
2.5°	830.8	837.8	840.5	839.2	836.3	833.5	823.7	830.8	820.9	828.0	819.5
5°	835.0	844.8	846.1	843.4	840.5	835.0	818.1	828.0	816.6	822.3	809.7
7.5°	833.5	849.0	850.3	847.6	841.9	832.1	815.3	822.3	804.1	808.3	791.5
10°	826.5	849.0	850.3	843.4	835.0	819.5	799.9	802.6	784.4	784.4	762.0
12.5°	819.5	846.1	853.2	843.4	829.3	808.3	785.8	783.1	762.0	760.5	735.4
15°	819.5	849.0	858.8	846.1	825.1	795.7	768.9	763.4	739.6	732.5	704.5
17.5°	818.1	849.0	863.0	846.1	820.9	783.1	749.4	743.8	712.9	701.7	669.3
20°	816.6	851.9	865.9	843.4	808.3	767.6	729.7	718.5	684.8	666.5	628.6
22.5°	815.3	857.4	868.6	840.5	799.9	748.0	708.7	689.0	649.7	625.8	580.9
25°	822.3	864.3	870.0	837.8	787.3	726.9	684.8	658.2	614.6	583.8	530.4
27.5°	825.1	871.4	872.8	832.1	771.8	704.5	659.5	623.1	573.9	536.1	475.7
30°	833.5	872.8	868.6	820.9	753.6	676.3	630.1	585.2	530.4	481.3	409.8
32.5°	836.3	877.0	865.9	808.3	735.4	648.3	596.4	544.5	478.4	420.9	334.0
35°	841.9	879.9	863.0	801.3	715.7	618.8	561.4	502.3	426.5	353.7	254.0
37.5°	850.3	892.5	870.0	798.4	705.9	593.6	522.1	458.9	364.8	279.2	168.4
40°	871.4	917.8	882.7	802.6	698.8	572.5	484.2	414.0	294.6	206.3	116.5
42.5°	913.6	961.3	914.9	823.7	703.0	554.3	444.8	366.3	223.0	147.3	96.8
45°	976.6	1017.4	968.2	858.8	719.9	544.5	408.4	317.1	160.0	117.9	88.4
47.5°	1069.3	1108.6	1046.9	914.9	749.4	540.3	370.6	265.2	123.4	106.7	85.6
50°	1191.4	1237.7	1160.5	1003.4	804.1	544.5	329.8	216.1	108.1	103.8	84.2
52.5°	1341.5	1386.4	1309.3	1133.8	893.8	568.3	286.3	188.0	102.5	102.5	82.8
55°	1511.3	1574.5	1498.7	1314.8	1032.8	620.2	259.6	178.2	102.5	103.8	81.4
57.5°	1712.0	1765.3	1698.0	1488.9	1199.8	705.9	262.5	188.0	102.5	103.8	79.9
60°	1908.4	1974.5	1897.2	1710.6	1390.7	835.0	320.0	238.6	106.7	108.1	79.9
62.5°	2113.4	2163.8	2100.7	1904.2	1606.8	995.0	435.0	345.2	123.4	127.6	85.6
65°	2337.9	2420.7	2354.6	2193.3	1912.6	1250.4	654.0	517.9	182.4	148.8	94.1
67.5°	2726.5	2760.2	2728.0	2580.7	2270.5	1460.8	778.8	526.2	182.4	144.5	105.2
70°	3252.9	3176.9	3032.5	2757.4	2308.4	1310.6	558.5	321.3	155.8	137.5	110.9
71°	3374.8	3258.4	3045.2	2713.9	2229.9	1183.0	433.6	254.0	146.0	134.7	110.9
72.5°	3449.2	3275.2	2952.5	2586.2	2075.4	931.8	286.3	199.2	133.3	127.6	106.7
75°	3352.5	3031.2	2607.3	2238.1	1699.3	484.2	179.6	151.5	113.6	110.9	92.6
77.5°	2661.9	2380.0	1923.9	1626.4	1093.1	214.8	129.1	115.1	89.8	87.0	71.5
80°	1241.9	996.3	583.8	501.0	343.8	126.3	88.4	78.6	64.6	61.7	50.6
82.5°	225.9	169.8	131.9	127.6	115.1	74.4	51.9	47.7	40.7	39.3	32.2
85°	77.2	74.4	56.1	56.1	57.5	39.3	29.5	28.0	21.0	21.0	14.0
87.5°	1.3	7.0	7.0	9.8	8.4	7.0	2.9	4.2	1.3	4.2	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°
837.8	837.8	837.8	837.8	837.8	837.8	837.8	837.8	837.8	837.8	837.8	110°	111.9
826.5	815.3	825.1	815.3	820.9	809.7	816.6	812.4	812.4	808.3	805.5	112.5°	133.5
814.0	799.9	806.9	795.7	801.3	784.4	788.6	781.6	767.6	759.2	748.0	115°	155.0
795.7	774.6	780.2	763.4	767.6	745.1	749.4	736.7	710.1	693.2	676.3	117.5°	177.7
763.4	743.8	745.1	724.0	722.7	700.2	696.1	679.2	640.0	611.8	589.4	120°	200.2
731.1	708.7	705.9	680.6	676.3	649.7	644.2	617.5	559.9	505.2	470.2	122.5°	223.8
697.4	669.3	661.0	634.2	618.8	596.4	580.9	541.7	458.9	387.3	341.0	125°	249.3
659.5	623.1	610.4	579.6	557.1	523.4	501.0	447.6	341.0	263.8	231.5	127.5°	271.8
610.4	571.1	548.7	509.4	480.0	439.2	411.2	342.4	227.3	188.0	183.8	130°	295.5
555.7	509.4	481.3	432.3	395.7	352.2	307.3	231.5	161.3	152.9	158.6	132.5°	319.0
498.2	440.6	404.1	343.8	294.6	244.2	202.1	154.4	131.9	130.5	138.9	135°	341.5
429.4	363.5	311.5	239.9	195.0	155.8	137.5	122.1	112.3	113.6	122.1	137.5°	362.2
353.7	268.1	213.3	150.2	130.5	113.6	110.9	105.2	101.0	103.8	109.4	140°	382.8
263.8	171.1	137.5	108.1	106.7	96.8	99.6	96.8	95.4	96.8	101.0	142.5°	404.3
178.2	113.6	108.1	92.6	95.4	88.4	92.6	91.2	89.8	89.8	92.6	145°	425.0
123.4	94.1	96.8	85.6	89.8	84.2	88.4	87.0	85.6	84.2	85.6	147.5°	443.7
102.5	85.6	89.8	81.4	85.6	79.9	84.2	82.8	81.4	78.6	78.6	150°	460.3
94.1	81.4	85.6	77.2	82.8	75.7	81.4	78.6	75.7	72.9	74.4	152.5°	477.0
91.2	78.6	82.8	74.4	79.9	72.9	77.2	75.7	70.2	68.8	70.2	155°	493.7
88.4	77.2	81.4	72.9	77.2	70.2	74.4	71.5	65.9	64.6	65.9	157.5°	507.5
87.0	74.4	78.6	70.2	74.4	68.8	71.5	68.8	63.2	61.7	61.7	160°	520.2
85.6	72.9	77.2	67.4	71.5	63.2	67.4	64.6	58.9	57.5	57.5	162.5°	530.0
85.6	71.5	74.4	64.6	68.8	60.4	63.2	60.4	57.5	54.8	54.8	165°	539.8
84.2	68.8	72.9	61.7	64.6	57.5	60.4	57.5	53.3	51.9	51.9	167.5°	547.7
84.2	67.4	71.5	60.4	63.2	54.8	57.5	54.8	50.6	49.0	49.0	170°	553.5
88.4	70.2	72.9	61.7	63.2	54.8	56.1	51.9	47.7	47.7	46.4	172.5°	556.5
96.8	78.6	78.6	64.6	64.6	54.8	56.1	50.6	44.9	44.9	44.9	175°	559.5
105.2	87.0	85.6	68.8	67.4	54.8	54.8	47.7	42.1	42.1	42.1	177.5°	563.3
110.9	91.2	88.4	70.2	67.4	53.3	51.9	44.9	39.3	39.3	39.3	180°	565.3
109.4	91.2	87.0	68.8	64.6	50.6	50.6	43.5	37.9	37.9	36.5		
103.8	85.6	81.4	64.6	61.7	47.7	47.7	40.7	35.0	35.0	33.7		
88.4	72.9	68.8	54.8	51.9	42.1	40.7	33.7	30.9	29.5	29.5		
68.8	57.5	53.3	43.5	42.1	33.7	32.2	28.0	25.2	25.2	23.9		
49.0	40.7	37.9	29.5	26.7	22.5	23.9	21.0	19.7	19.7	18.2		
29.5	21.0	21.0	16.9	18.2	14.0	15.5	15.5	14.0	11.2	11.2		
15.5	9.8	12.7	7.0	9.8	4.2	7.0	5.6	5.6	4.2	4.2		
2.9	0.0	1.3	0.0	1.3	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		

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 ISS-AF-800-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°	837.8	837.8
133.5	133.5	133.5	133.5	132.9	132.5	131.5	129.5	126.6	123.7	2.5°	797.1	798.4
155.0	155.0	155.0	155.0	154.6	154.1	153.1	151.2	148.2	146.2	5°	742.3	745.1
177.4	177.1	176.9	176.7	176.4	176.2	175.7	173.7	170.8	168.8	7.5°	663.8	668.0
200.2	200.2	200.2	200.2	199.7	199.2	198.3	197.3	194.3	192.3	10°	569.7	572.5
223.8	223.8	223.8	223.8	223.6	223.3	222.8	221.8	218.8	216.9	12.5°	449.1	449.1
249.1	248.8	248.5	248.3	248.1	247.8	247.3	246.3	243.4	242.5	15°	314.4	317.1
272.1	272.4	272.6	272.8	272.4	271.8	270.9	269.0	267.0	265.0	17.5°	220.4	221.7
295.5	295.5	295.5	295.5	294.9	294.5	293.5	292.5	288.5	287.5	20°	185.2	186.7
319.0	319.0	319.0	319.0	318.2	317.6	316.0	315.0	312.1	311.2	22.5°	165.6	166.9
341.5	341.5	341.5	341.5	340.7	340.1	338.6	338.6	334.7	332.7	25°	147.3	148.8
362.2	362.2	362.2	362.2	361.7	361.2	360.2	360.2	357.3	356.3	27.5°	127.6	129.1
382.8	382.8	382.8	382.8	382.6	382.3	381.8	380.8	378.8	377.8	30°	115.1	116.5
404.3	404.3	404.3	404.3	403.9	403.4	402.4	402.4	399.5	400.5	32.5°	103.8	105.2
425.2	425.4	425.8	426.0	425.4	425.0	424.0	423.0	420.0	420.0	35°	94.1	94.1
444.1	444.6	445.1	445.6	445.4	445.1	444.6	443.7	439.7	438.7	37.5°	87.0	87.0
460.8	461.3	461.8	462.3	462.1	461.8	461.3	460.3	456.4	455.4	40°	79.9	79.9
477.2	477.4	477.8	478.0	477.8	477.4	477.0	476.0	473.0	474.0	42.5°	75.7	75.7
493.9	494.2	494.4	494.7	494.4	494.2	493.7	493.7	491.7	492.7	45°	71.5	71.5
507.9	508.4	508.9	509.4	509.4	509.4	509.4	509.4	506.5	507.5	47.5°	67.4	67.4
520.7	521.2	521.6	522.2	522.2	522.2	522.2	522.2	519.2	519.2	50°	63.2	64.6
530.4	531.0	531.4	532.0	531.8	531.4	531.0	531.0	528.0	529.0	52.5°	58.9	58.9
540.6	541.3	541.9	542.8	542.6	542.3	541.8	541.8	537.8	538.8	55°	54.8	54.8
548.1	548.7	549.1	549.7	549.7	549.7	549.7	550.6	547.7	548.7	57.5°	50.6	51.9
553.7	554.1	554.3	554.5	554.7	555.1	555.5	556.5	554.5	555.5	60°	47.7	47.7
556.9	557.5	557.9	558.5	558.3	557.9	557.5	558.5	556.5	558.5	62.5°	44.9	44.9
560.3	560.9	561.6	562.4	562.2	561.9	561.4	561.4	558.5	559.5	65°	43.5	43.5
564.1	564.9	565.6	566.3	566.3	566.3	566.3	567.3	563.3	564.3	67.5°	40.7	40.7
565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	70°	37.9	37.9
										71°	36.5	36.5
										72.5°	33.7	33.7
										75°	29.5	28.0
										77.5°	23.9	23.9
										80°	18.2	16.9
										82.5°	11.2	9.8
										85°	4.2	2.9
										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

