

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: P271582

Luminaire Tested: **ISS-AF-600-LED-E1-SL2-7027-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271582
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-600-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: 4611.2 lumens
Efficiency: N/A
Efficacy: 91.5 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): 50.4
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

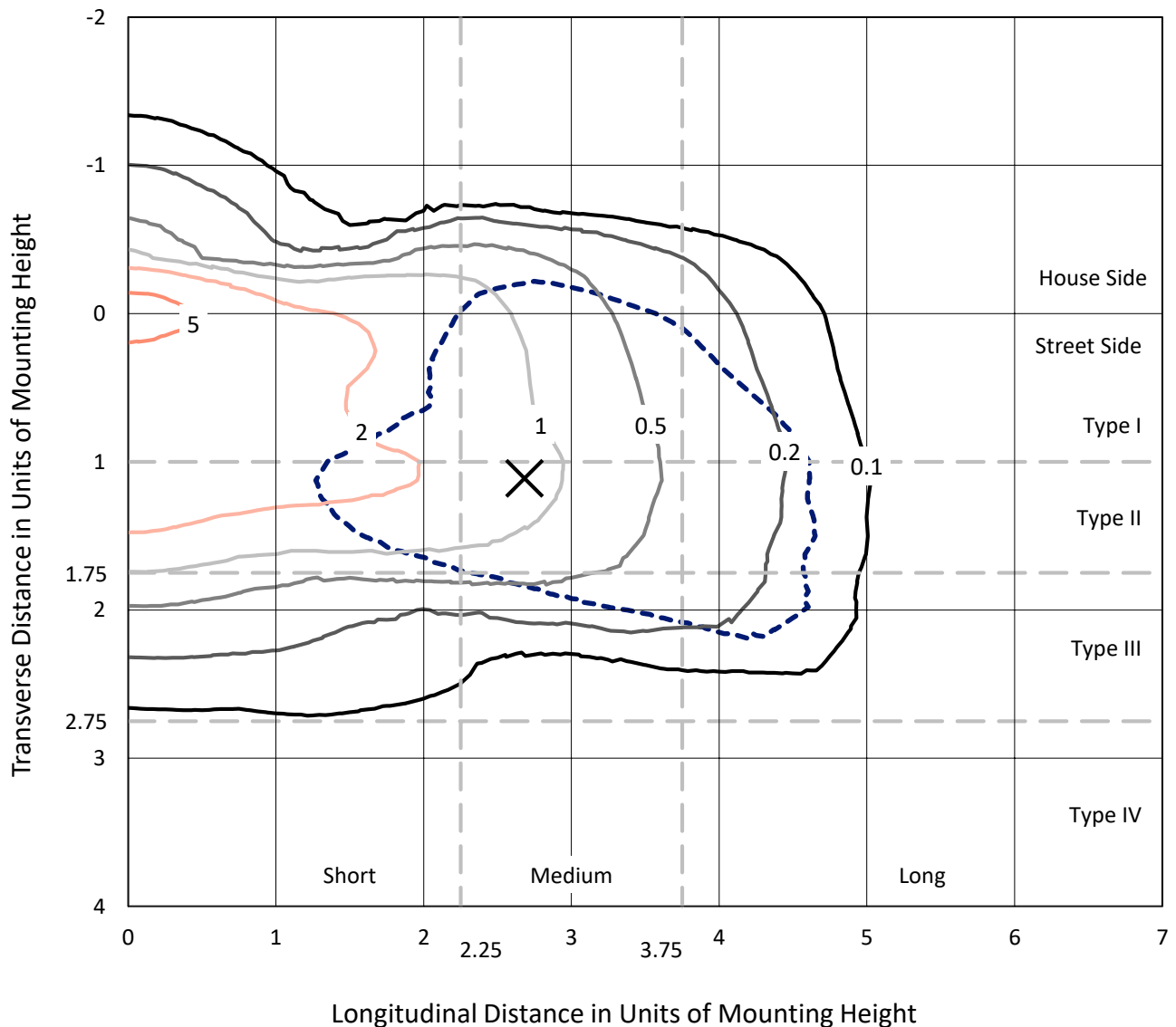


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

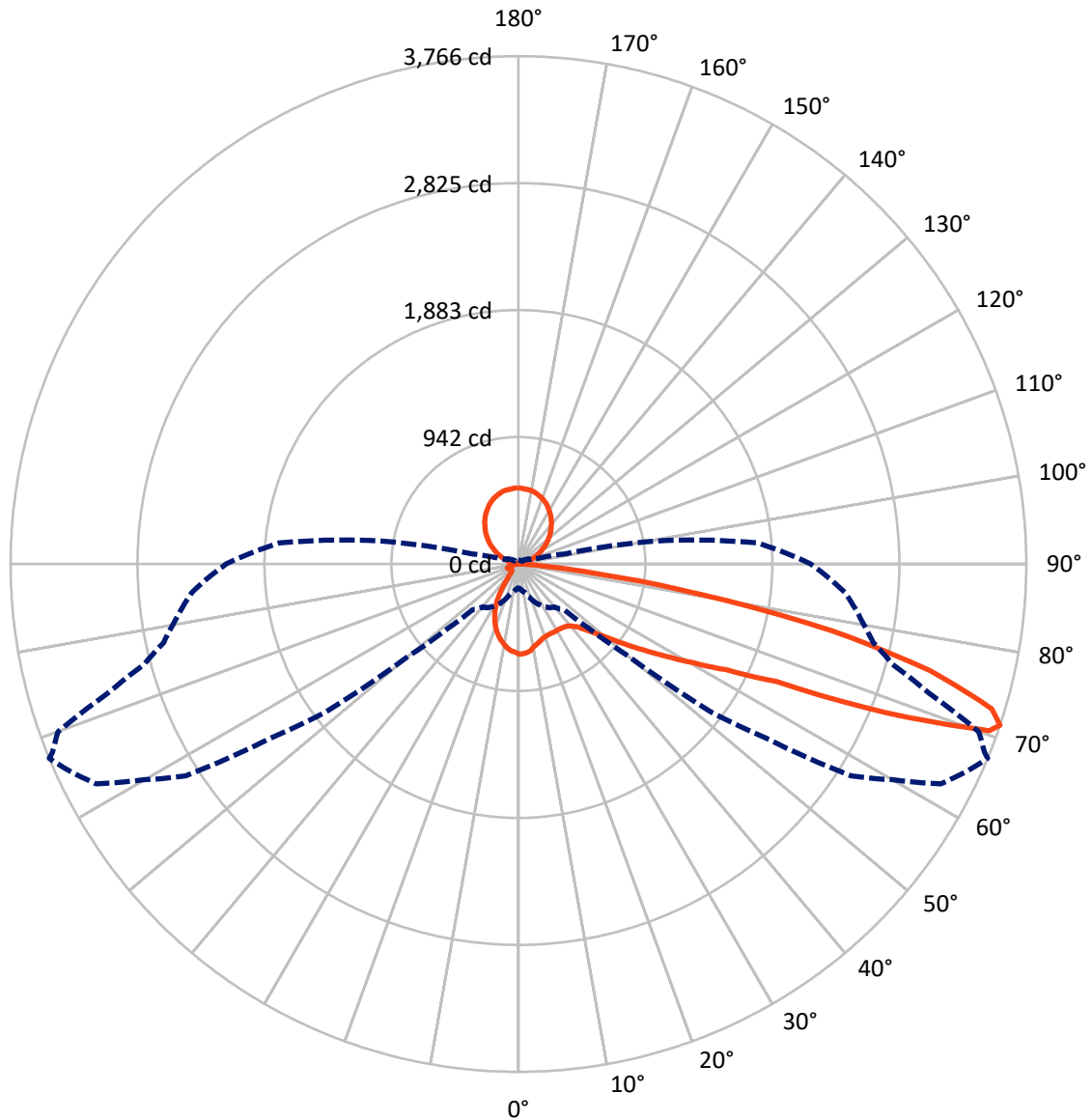


Based on 10 foot mounting height. Maximum calculated value = 6.7 fc
 Type III - Medium - Non-Cutoff

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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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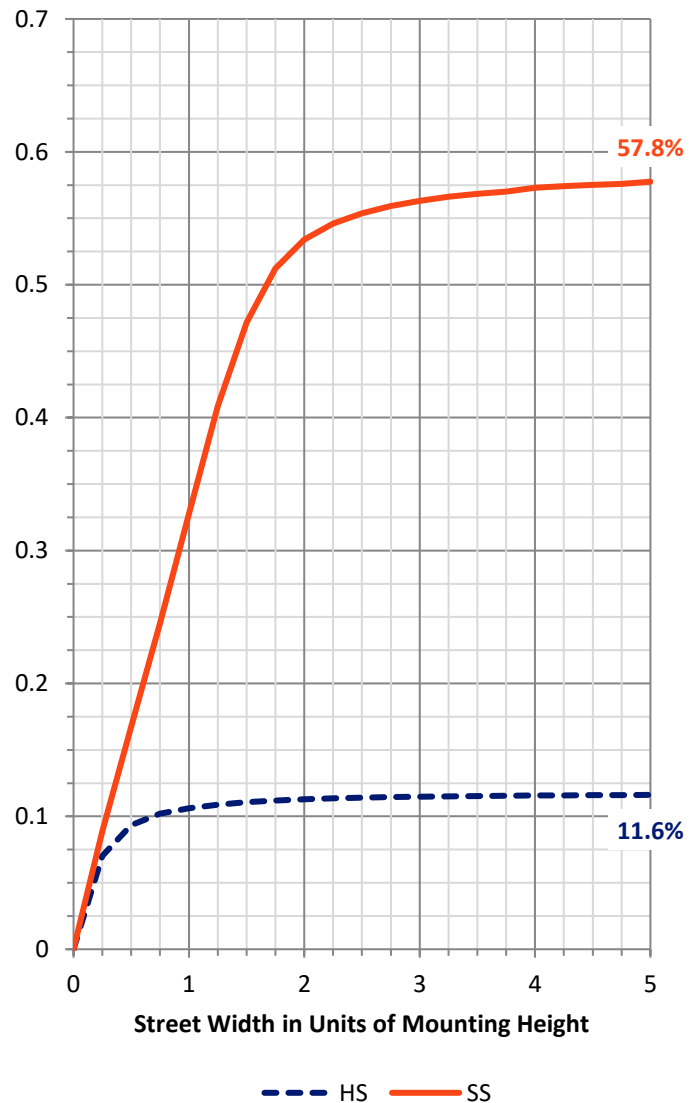
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	541.2	699.9	1241.0
	% Fixture	11.7	15.2	26.9
Street Side	Lumens	2670.3	699.9	3370.1
	% Fixture	57.9	15.2	73.1
Total	Lumens	3211.4	1399.8	4611.2
	% Fixture	69.6	30.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.4	1.3
10°-20°	139.7	3.0
20°-30°	190.0	4.1
30°-40°	259.7	5.6
40°-50°	391.3	8.5
50°-60°	620.1	13.4
60°-70°	820.9	17.8
70°-80°	653.9	14.2
80°-90°	77.5	1.7
90°-100°	4.7	0.1
100°-110°	67.7	1.5
110°-120°	150.2	3.3
120°-130°	219.7	4.8
130°-140°	260.7	5.7
140°-150°	264.3	5.7
150°-160°	226.8	4.9
160°-170°	152.2	3.3
170°-180°	53.3	1.2
0°-90°	3211.4	69.6
0°-180°	4611.2	100.0



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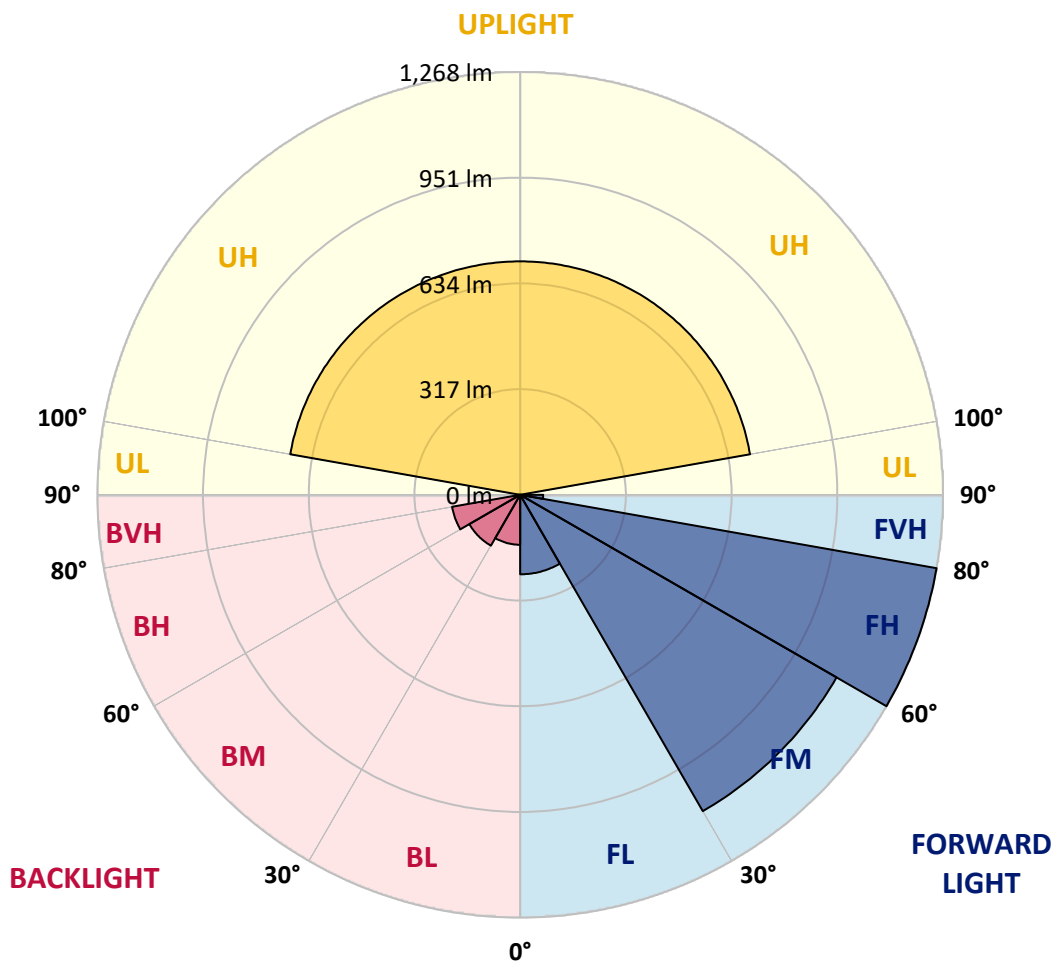
CATALOG NUMBER: ISS-AF-600-LED-E1-SL2-7027-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	238.3	5.2			
FM	(30°-60°)	1095.2	23.8			
FH	(60°-80°)	1267.7	27.5			G1/1800
FVH	(80°-90°)	69.1	1.5			G1/100
BL	(0°-30°)	149.8	3.2	B1/500		
BM	(30°-60°)	175.8	3.8	B0/220		
BH	(60°-80°)	207.1	4.5	B1/500		G1/500
BVH	(80°-90°)	8.4	0.2			G0/10
UL	(90°-100°)	4.7	0.1		U1/10	
UH	(100°-180°)	699.9	15.2		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°	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1
2.5°	656.9	654.7	654.7	658.0	663.6	659.2	662.5	662.5	663.6	667.0	668.1
5°	608.7	604.2	608.7	613.1	625.5	623.2	626.6	630.0	636.7	637.9	646.8
7.5°	564.9	562.7	566.1	575.1	590.7	586.2	590.7	595.3	603.1	606.4	615.4
10°	531.3	527.9	532.4	539.3	555.0	553.7	556.1	561.6	570.5	572.8	584.0
12.5°	506.6	506.6	508.9	518.0	531.3	530.2	537.0	540.3	548.1	550.4	562.7
15°	494.3	490.9	495.4	503.3	516.7	516.7	521.3	524.6	535.7	537.0	548.1
17.5°	483.2	484.3	485.4	494.3	506.6	504.5	510.1	512.2	524.6	522.4	535.7
20°	483.2	485.4	484.3	489.8	498.8	494.3	501.1	502.2	515.6	512.2	526.9
22.5°	496.7	498.8	495.4	494.3	497.8	494.3	497.8	500.0	510.1	507.8	521.3
25°	520.1	524.6	520.1	512.2	508.9	500.0	502.2	505.6	513.4	507.8	520.1
27.5°	557.1	560.5	552.6	544.8	529.1	519.0	515.6	514.5	523.5	514.5	524.6
30°	599.7	604.2	597.6	582.9	560.5	543.7	537.0	533.5	539.3	525.8	535.7
32.5°	645.7	650.1	645.7	634.5	604.2	579.6	570.5	562.7	567.2	549.2	553.7
35°	692.8	697.3	701.8	695.0	655.8	627.7	613.1	606.4	605.3	582.9	584.0
37.5°	734.3	738.8	753.3	760.1	724.1	686.0	672.7	658.0	659.2	627.7	627.7
40°	784.7	790.3	809.4	825.0	801.5	755.6	739.8	724.1	724.1	682.7	683.8
42.5°	853.1	859.8	872.2	893.5	885.5	838.5	821.7	800.4	802.6	753.3	752.2
45°	949.5	953.9	953.9	967.5	968.6	923.6	912.5	891.2	895.7	832.9	836.2
47.5°	1075.0	1069.4	1047.0	1054.8	1063.9	1016.7	1006.6	993.2	998.7	931.5	938.3
50°	1191.6	1187.1	1141.2	1143.5	1175.9	1127.7	1124.3	1107.5	1115.3	1048.1	1058.2
52.5°	1235.3	1227.4	1181.5	1206.2	1297.0	1270.0	1275.6	1267.8	1272.3	1200.6	1198.2
55°	1186.0	1186.0	1157.9	1202.8	1387.7	1402.3	1448.2	1466.2	1485.3	1413.6	1397.9
57.5°	1049.2	1058.2	1062.7	1142.3	1373.1	1436.0	1523.3	1599.6	1697.2	1692.7	1716.2
60°	822.8	838.5	864.3	994.3	1310.4	1413.6	1526.8	1641.1	1775.6	1862.0	1989.7
62.5°	577.3	590.7	612.0	701.8	1127.7	1304.8	1468.5	1644.4	1815.9	1951.6	2119.8
65°	392.3	405.8	450.6	500.0	680.5	938.3	1188.2	1479.7	1740.8	1993.1	2219.5
67.5°	282.4	290.3	325.1	408.0	452.8	500.0	593.0	936.0	1257.8	1765.5	2096.3
70°	211.9	219.7	251.1	343.1	397.9	410.3	432.7	493.2	575.1	992.1	1425.9
71°	177.1	188.4	226.5	322.9	395.7	405.8	415.8	451.8	478.7	701.8	1058.2
72.5°	124.4	132.3	168.2	298.1	380.1	403.6	427.1	426.0	423.7	478.7	640.1
75°	79.6	79.6	79.6	168.2	405.8	391.2	400.1	448.3	423.7	402.4	421.5
77.5°	62.8	61.6	58.3	84.1	317.2	396.8	420.4	432.7	456.2	420.4	401.4
80°	47.1	45.9	45.9	52.7	146.9	256.6	355.4	394.5	411.4	447.3	408.0
82.5°	24.6	24.6	26.9	31.4	55.0	89.7	183.8	302.7	338.5	340.7	344.1
85°	7.8	6.7	8.9	14.6	23.5	29.1	51.6	122.2	181.5	219.7	232.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	4.5	7.8	10.2
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°	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1
2.5°	664.7	669.1	665.8	670.3	664.7	671.4	665.8	669.1	670.3	665.8	671.4
5°	641.2	654.7	650.1	660.3	655.8	664.7	660.3	669.1	669.1	665.8	673.7
7.5°	612.0	625.5	626.6	636.7	636.7	647.9	647.9	656.9	661.4	661.4	672.7
10°	582.9	595.3	597.6	608.7	610.9	624.4	624.4	636.7	645.7	649.0	662.5
12.5°	560.5	576.3	576.3	588.5	586.2	606.4	608.7	619.9	628.8	636.7	654.7
15°	547.1	561.6	561.6	573.9	571.7	591.8	595.3	606.4	619.9	624.4	649.0
17.5°	533.5	548.1	544.8	561.6	560.5	582.9	580.7	597.6	608.7	615.4	643.5
20°	522.4	539.3	537.0	553.7	549.2	573.9	573.9	590.7	602.0	607.5	640.1
22.5°	516.7	534.7	530.2	547.1	543.7	568.4	568.4	585.2	597.6	606.4	639.0
25°	516.7	532.4	527.9	547.1	541.4	568.4	567.2	584.0	596.4	604.2	640.1
27.5°	519.0	534.7	531.3	549.2	544.8	568.4	570.5	585.2	597.6	606.4	642.3
30°	526.9	541.4	533.5	550.4	547.1	569.4	568.4	584.0	596.4	607.5	642.3
32.5°	543.7	551.5	541.4	556.1	549.2	571.7	571.7	582.9	597.6	610.9	642.3
35°	567.2	572.8	557.1	567.2	555.0	577.3	576.3	588.5	599.7	610.9	644.5
37.5°	600.9	607.5	582.9	591.8	571.7	589.6	585.2	599.7	610.9	617.7	655.8
40°	651.3	653.6	621.0	627.7	599.7	615.4	604.2	624.4	630.0	634.5	672.7
42.5°	713.0	715.2	673.7	678.2	642.3	655.8	636.7	658.0	665.8	664.7	706.2
45°	789.3	790.3	743.2	746.6	705.1	716.3	692.8	710.6	716.3	713.0	755.6
47.5°	872.2	881.1	828.3	832.9	789.3	794.8	765.6	785.7	785.7	782.4	826.1
50°	981.9	995.4	933.8	940.4	890.0	894.5	860.8	882.1	880.0	871.0	920.3
52.5°	1118.7	1131.1	1066.1	1075.0	1021.2	1023.5	981.9	1006.6	999.9	985.4	1042.6
55°	1285.7	1286.9	1226.4	1234.2	1180.5	1177.0	1125.5	1155.7	1145.6	1125.5	1178.1
57.5°	1553.7	1521.2	1421.4	1419.1	1360.8	1356.4	1290.2	1327.2	1310.4	1267.8	1337.4
60°	1985.3	1995.3	1740.8	1701.6	1593.0	1572.8	1485.3	1527.8	1507.7	1438.2	1506.5
62.5°	2228.4	2388.9	2373.1	2231.9	1951.6	1875.4	1727.4	1777.8	1725.1	1623.1	1687.1
65°	2409.0	2626.5	2752.0	2887.6	2762.1	2450.5	2100.7	2171.3	2042.4	1848.5	1910.2
67.5°	2476.2	2738.6	3003.0	3195.9	3327.1	3350.6	2945.9	2964.9	2647.8	2259.9	2267.7
70°	2124.2	2511.0	3028.8	3273.2	3533.3	3661.1	3703.7	3683.5	3478.3	2929.1	2719.5
71°	1800.2	2268.8	2925.7	3198.1	3531.1	3654.3	3766.4	3728.3	3633.0	3194.7	2873.0
72.5°	1219.6	1808.1	2624.2	2969.4	3413.4	3503.0	3671.1	3603.9	3583.8	3393.2	3016.5
75°	573.9	901.3	1707.3	2229.6	2888.7	2975.1	3151.1	3068.1	3015.4	3080.5	2869.6
77.5°	422.7	492.1	937.1	1385.5	2100.7	2222.9	2374.2	2272.3	2205.0	2269.9	2123.1
80°	384.5	386.7	485.4	731.0	1253.2	1326.1	1383.3	1300.4	1198.2	1193.8	1058.2
82.5°	354.2	335.2	314.9	386.7	642.3	610.9	564.9	523.5	406.9	326.3	235.4
85°	225.4	246.7	224.1	211.9	255.6	210.7	167.1	160.3	113.3	76.3	70.7
87.5°	15.7	18.0	21.3	24.6	30.3	24.6	15.7	19.0	11.2	0.0	5.6
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°	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1
2.5°	663.6	669.1	671.4	670.3	668.1	665.8	658.0	663.6	655.8	661.4	654.7
5°	667.0	674.9	676.0	673.7	671.4	667.0	653.6	661.4	652.3	656.9	646.8
7.5°	665.8	678.2	679.3	677.1	672.7	664.7	651.3	656.9	642.3	645.7	632.2
10°	660.3	678.2	679.3	673.7	667.0	654.7	639.0	641.2	626.6	626.6	608.7
12.5°	654.7	676.0	681.5	673.7	662.5	645.7	627.7	625.5	608.7	607.5	587.4
15°	654.7	678.2	686.0	676.0	659.2	635.6	614.4	609.8	590.7	585.2	562.7
17.5°	653.6	678.2	689.4	676.0	655.8	625.5	598.6	594.0	569.4	560.5	534.7
20°	652.3	680.5	691.7	673.7	645.7	613.1	582.9	573.9	547.1	532.4	502.2
22.5°	651.3	684.9	693.9	671.4	639.0	597.6	566.1	550.4	519.0	500.0	464.1
25°	656.9	690.4	695.0	669.1	628.8	580.7	547.1	525.8	490.9	466.3	423.7
27.5°	659.2	696.2	697.3	664.7	616.6	562.7	526.9	497.8	458.5	428.2	380.1
30°	665.8	697.3	693.9	655.8	602.0	540.3	503.3	467.5	423.7	384.5	327.3
32.5°	668.1	700.6	691.7	645.7	587.4	518.0	476.4	434.9	382.3	336.2	266.8
35°	672.7	702.8	689.4	640.1	571.7	494.3	448.3	401.4	340.7	282.4	202.8
37.5°	679.3	713.0	695.0	637.9	563.9	474.1	417.0	366.6	291.5	223.0	134.6
40°	696.2	733.1	705.1	641.2	558.3	457.3	386.7	330.7	235.4	164.7	93.1
42.5°	729.7	767.9	731.0	658.0	561.6	442.8	355.4	292.6	178.2	117.7	77.3
45°	780.2	812.7	773.5	686.0	575.1	434.9	326.3	253.3	127.8	94.1	70.7
47.5°	854.2	885.5	836.2	731.0	598.6	431.5	295.9	211.9	98.6	85.2	68.5
50°	951.8	988.8	927.1	801.5	642.3	434.9	263.5	172.7	86.2	82.9	67.2
52.5°	1071.7	1107.5	1045.9	905.7	714.1	454.0	228.7	150.2	81.8	81.8	66.1
55°	1207.3	1257.8	1197.2	1050.4	825.0	495.4	207.4	142.3	81.8	82.9	64.9
57.5°	1367.6	1410.2	1356.4	1189.4	958.4	563.9	209.7	150.2	81.8	82.9	63.9
60°	1524.5	1577.2	1515.5	1366.4	1110.8	667.0	255.6	190.6	85.2	86.2	63.9
62.5°	1688.2	1728.6	1678.1	1521.2	1283.5	794.8	347.6	275.8	98.6	102.0	68.5
65°	1867.6	1933.7	1881.1	1752.1	1527.8	998.7	522.4	413.6	145.7	118.8	75.1
67.5°	2178.0	2205.0	2179.2	2061.5	1813.8	1166.9	622.2	420.4	145.7	115.4	84.1
70°	2598.3	2537.9	2422.4	2202.7	1844.0	1047.0	446.2	256.6	124.4	109.9	88.6
71°	2695.9	2602.9	2432.5	2168.0	1781.2	944.9	346.4	202.8	116.6	107.5	88.6
72.5°	2755.3	2616.3	2358.5	2065.9	1657.9	744.3	228.7	159.2	106.4	102.0	85.2
75°	2677.9	2421.3	2082.8	1788.0	1357.5	386.7	143.5	121.0	90.8	88.6	74.0
77.5°	2126.5	1901.2	1536.8	1299.2	873.2	171.5	103.1	92.0	71.8	69.5	57.1
80°	992.1	795.9	466.3	400.1	274.6	100.9	70.7	62.8	51.6	49.4	40.3
82.5°	180.5	135.6	105.4	102.0	92.0	59.4	41.5	38.1	32.5	31.4	25.8
85°	61.6	59.4	44.8	44.8	45.9	31.4	23.5	22.4	16.8	16.8	11.2
87.5°	1.1	5.6	5.6	7.8	6.7	5.6	2.2	3.3	1.1	3.3	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°
669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1	110°	111.9
660.3	651.3	659.2	651.3	655.8	646.8	652.3	649.0	649.0	645.7	643.5	112.5°	133.5
650.1	639.0	644.5	635.6	640.1	626.6	630.0	624.4	613.1	606.4	597.6	115°	155.0
635.6	618.8	623.2	609.8	613.1	595.3	598.6	588.5	567.2	553.7	540.3	117.5°	177.7
609.8	594.0	595.3	578.4	577.3	559.4	556.1	542.6	511.1	488.8	470.8	120°	200.2
584.0	566.1	563.9	543.7	540.3	519.0	514.5	493.2	447.3	403.6	375.5	122.5°	223.8
557.1	534.7	527.9	506.6	494.3	476.4	464.1	432.7	366.6	309.4	272.4	125°	249.3
526.9	497.8	487.6	463.0	445.0	418.1	400.1	357.5	272.4	210.7	185.1	127.5°	271.8
487.6	456.2	438.4	406.9	383.4	350.9	328.4	273.5	181.5	150.2	146.9	130°	295.5
443.9	406.9	384.5	345.3	316.1	281.3	245.5	185.1	128.9	122.2	126.8	132.5°	319.0
397.9	352.0	322.9	274.6	235.4	195.0	161.4	123.2	105.4	104.2	111.0	135°	341.5
343.1	290.3	248.9	191.7	155.9	124.4	109.9	97.6	89.7	90.8	97.6	137.5°	362.2
282.4	214.1	170.4	119.9	104.2	90.8	88.6	84.1	80.7	82.9	87.5	140°	382.8
210.7	136.7	109.9	86.2	85.2	77.3	79.6	77.3	76.3	77.3	80.7	142.5°	404.3
142.3	90.8	86.2	74.0	76.3	70.7	74.0	72.9	71.8	71.8	74.0	145°	425.0
98.6	75.1	77.3	68.5	71.8	67.2	70.7	69.5	68.5	67.2	68.5	147.5°	443.7
81.8	68.5	71.8	64.9	68.5	63.9	67.2	66.1	64.9	62.8	62.8	150°	460.3
75.1	64.9	68.5	61.6	66.1	60.5	64.9	62.8	60.5	58.3	59.4	152.5°	477.0
72.9	62.8	66.1	59.4	63.9	58.3	61.6	60.5	56.1	55.0	56.1	155°	493.7
70.7	61.6	64.9	58.3	61.6	56.1	59.4	57.1	52.7	51.6	52.7	157.5°	507.5
69.5	59.4	62.8	56.1	59.4	55.0	57.1	55.0	50.5	49.4	49.4	160°	520.2
68.5	58.3	61.6	53.8	57.1	50.5	53.8	51.6	47.1	45.9	45.9	162.5°	530.0
68.5	57.1	59.4	51.6	55.0	48.1	50.5	48.1	45.9	43.7	43.7	165°	539.8
67.2	55.0	58.3	49.4	51.6	45.9	48.1	45.9	42.6	41.5	41.5	167.5°	547.7
67.2	53.8	57.1	48.1	50.5	43.7	45.9	43.7	40.3	39.3	39.3	170°	553.5
70.7	56.1	58.3	49.4	50.5	43.7	44.8	41.5	38.1	38.1	37.0	172.5°	556.5
77.3	62.8	62.8	51.6	51.6	43.7	44.8	40.3	35.8	35.8	35.8	175°	559.5
84.1	69.5	68.5	55.0	53.8	43.7	43.7	38.1	33.7	33.7	33.7	177.5°	563.3
88.6	72.9	70.7	56.1	53.8	42.6	41.5	35.8	31.4	31.4	31.4	180°	565.3
87.5	72.9	69.5	55.0	51.6	40.3	40.3	34.8	30.3	30.3	29.1		
82.9	68.5	64.9	51.6	49.4	38.1	38.1	32.5	28.0	28.0	26.9		
70.7	58.3	55.0	43.7	41.5	33.7	32.5	26.9	24.6	23.5	23.5		
55.0	45.9	42.6	34.8	33.7	26.9	25.8	22.4	20.2	20.2	19.0		
39.3	32.5	30.3	23.5	21.3	18.0	19.0	16.8	15.7	15.7	14.6		
23.5	16.8	16.8	13.5	14.6	11.2	12.4	12.4	11.2	8.9	8.9		
12.4	7.8	10.2	5.6	7.8	3.3	5.6	4.5	4.5	3.3	3.3		
2.2	0.0	1.1	0.0	1.1	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		

'271582
 ISS-AF-600-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°	669.1	669.1
133.5	133.5	133.5	133.5	132.9	132.5	131.5	129.5	126.6	123.7	2.5°	636.7	637.9
155.0	155.0	155.0	155.0	154.6	154.1	153.1	151.2	148.2	146.2	5°	593.0	595.3
177.4	177.1	176.9	176.7	176.4	176.2	175.7	173.7	170.8	168.8	7.5°	530.2	533.5
200.2	200.2	200.2	200.2	199.7	199.2	198.3	197.3	194.3	192.3	10°	455.1	457.3
223.8	223.8	223.8	223.8	223.6	223.3	222.8	221.8	218.8	216.9	12.5°	358.7	358.7
249.1	248.8	248.5	248.3	248.1	247.8	247.3	246.3	243.4	242.5	15°	251.1	253.3
272.1	272.4	272.6	272.8	272.4	271.8	270.9	269.0	267.0	265.0	17.5°	176.0	177.1
295.5	295.5	295.5	295.5	294.9	294.5	293.5	292.5	288.5	287.5	20°	148.0	149.1
319.0	319.0	319.0	319.0	318.2	317.6	316.0	315.0	312.1	311.2	22.5°	132.3	133.4
341.5	341.5	341.5	341.5	340.7	340.1	338.6	338.6	334.7	332.7	25°	117.7	118.8
362.2	362.2	362.2	362.2	361.7	361.2	360.2	360.2	357.3	356.3	27.5°	102.0	103.1
382.8	382.8	382.8	382.8	382.6	382.3	381.8	380.8	378.8	377.8	30°	92.0	93.1
404.3	404.3	404.3	404.3	403.9	403.4	402.4	402.4	399.5	400.5	32.5°	82.9	84.1
425.2	425.4	425.8	426.0	425.4	425.0	424.0	423.0	420.0	420.0	35°	75.1	75.1
444.1	444.6	445.1	445.6	445.4	445.1	444.6	443.7	439.7	438.7	37.5°	69.5	69.5
460.8	461.3	461.8	462.3	462.1	461.8	461.3	460.3	456.4	455.4	40°	63.9	63.9
477.2	477.4	477.8	478.0	477.8	477.4	477.0	476.0	473.0	474.0	42.5°	60.5	60.5
493.9	494.2	494.4	494.7	494.4	494.2	493.7	493.7	491.7	492.7	45°	57.1	57.1
507.9	508.4	508.9	509.4	509.4	509.4	509.4	509.4	506.5	507.5	47.5°	53.8	53.8
520.7	521.2	521.6	522.2	522.2	522.2	522.2	522.2	519.2	519.2	50°	50.5	51.6
530.4	531.0	531.4	532.0	531.8	531.4	531.0	531.0	528.0	529.0	52.5°	47.1	47.1
540.6	541.3	541.9	542.8	542.6	542.3	541.8	541.8	537.8	538.8	55°	43.7	43.7
548.1	548.7	549.1	549.7	549.7	549.7	549.7	550.6	547.7	548.7	57.5°	40.3	41.5
553.7	554.1	554.3	554.5	554.7	555.1	555.5	556.5	554.5	555.5	60°	38.1	38.1
556.9	557.5	557.9	558.5	558.3	557.9	557.5	558.5	556.5	558.5	62.5°	35.8	35.8
560.3	560.9	561.6	562.4	562.2	561.9	561.4	561.4	558.5	559.5	65°	34.8	34.8
564.1	564.9	565.6	566.3	566.3	566.3	566.3	567.3	563.3	564.3	67.5°	32.5	32.5
565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	70°	30.3	30.3
										71°	29.1	29.1
										72.5°	26.9	26.9
										75°	23.5	22.4
										77.5°	19.0	19.0
										80°	14.6	13.5
										82.5°	8.9	7.8
										85°	3.3	2.2
										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
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

