

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: P271583

Luminaire Tested: **ISS-AF-600-LED-E1-SL3-7027-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271583
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29762)-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-SL3-7027-ULG
Description: IMPACT ELITE LED QUATER SPHERE LUMINAIRE WITH UPLIGHT
LIGHT SQUARE WITH ACCULED OPTICS-TYPE III 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: 4559.1 lumens
Efficiency: N/A
Efficacy: 90.5 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

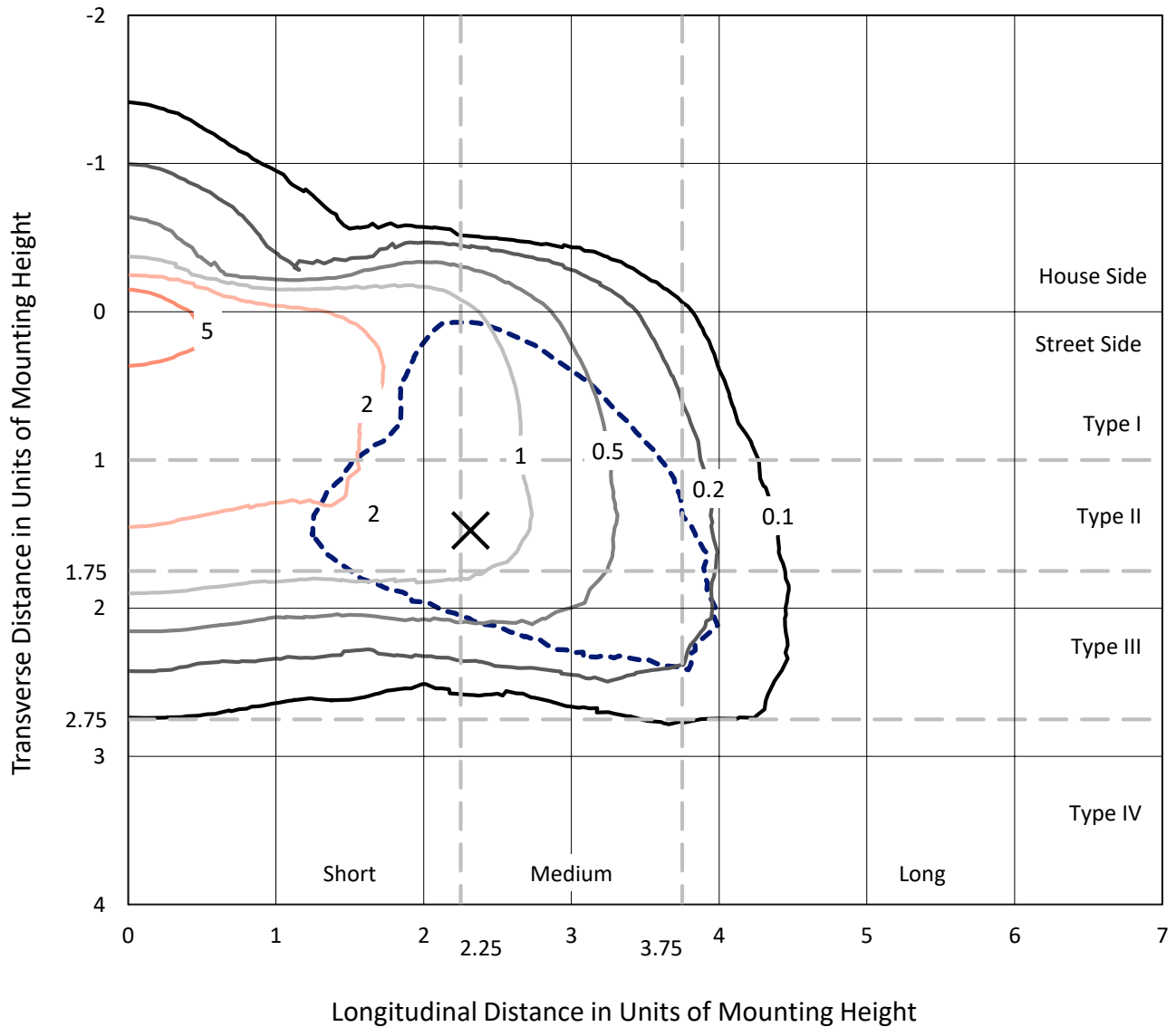


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Iso-Footcandle Lines of Horizontal Illumination

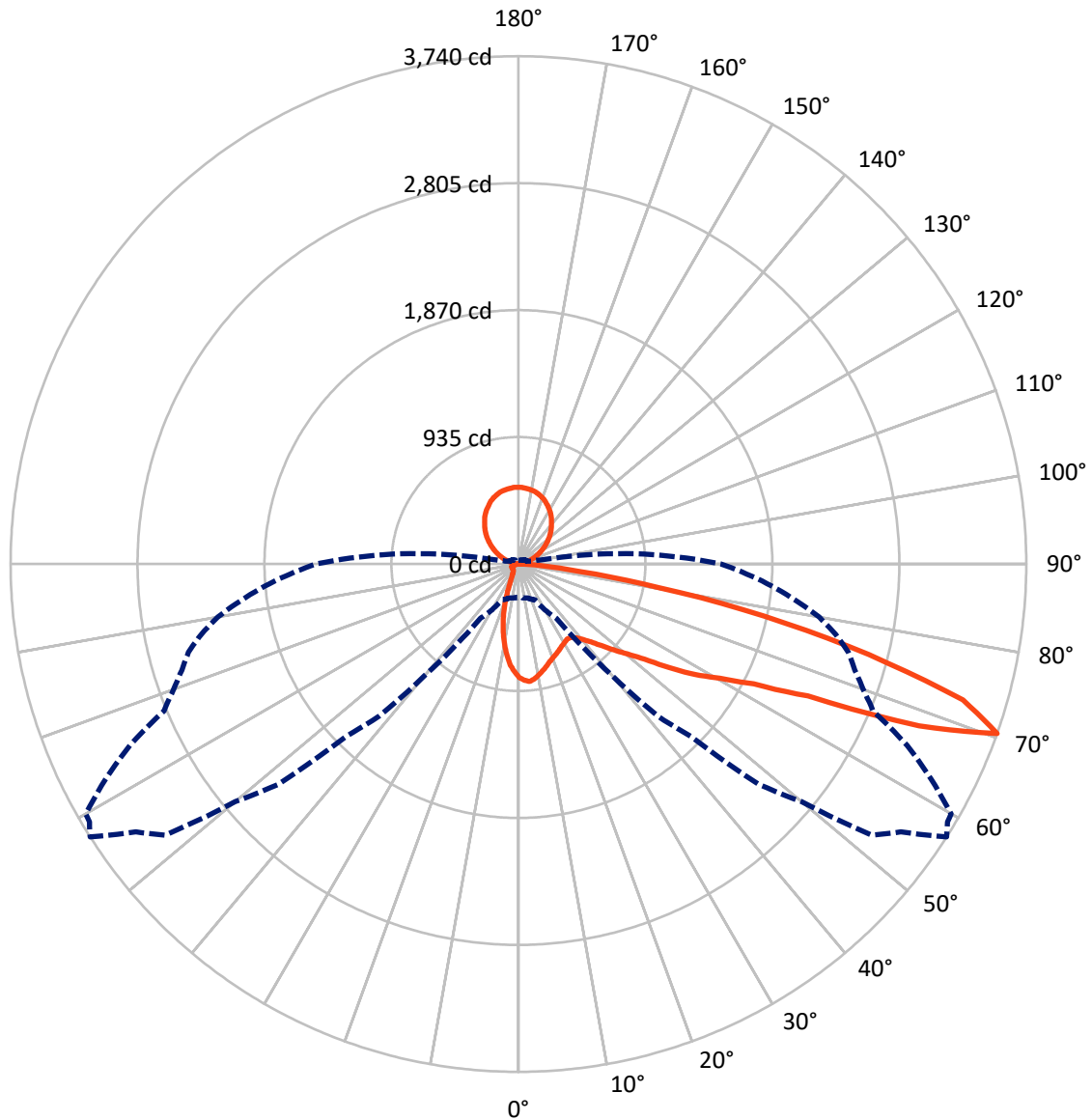
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 57.5-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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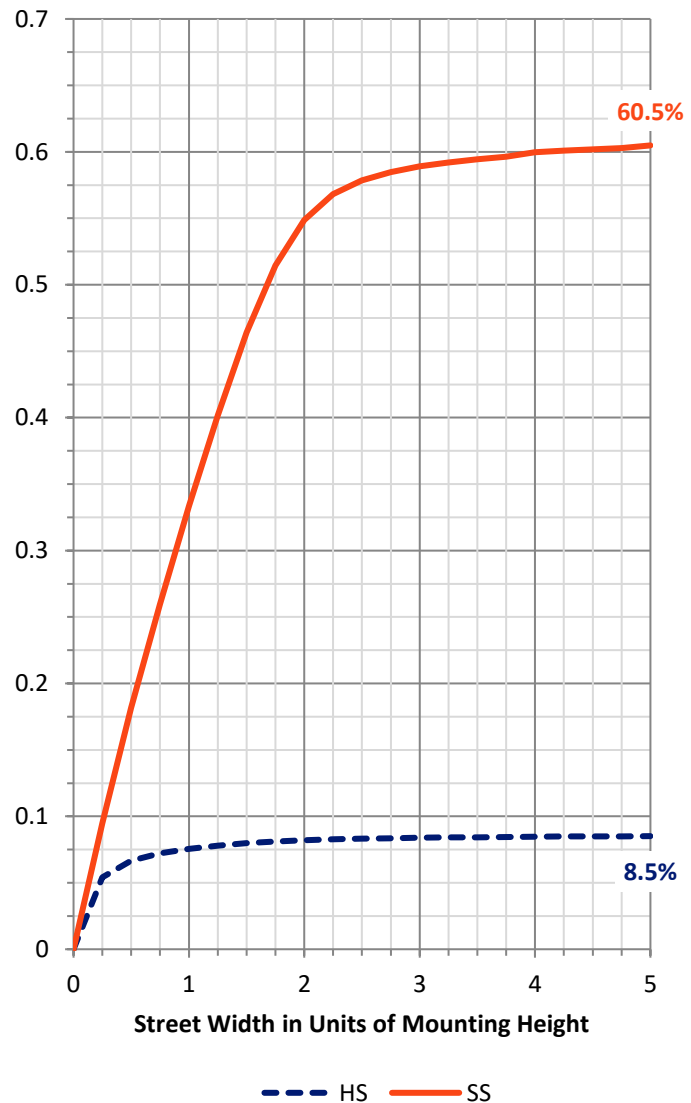
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	391.0	699.9	1090.8
	% Fixture	8.6	15.4	23.9
Street Side	Lumens	2768.4	699.9	3468.3
	% Fixture	60.7	15.4	76.1
Total	Lumens	3159.4	1399.8	4559.1
	% Fixture	69.3	30.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.2	1.6
10°-20°	156.8	3.4
20°-30°	197.0	4.3
30°-40°	257.5	5.6
40°-50°	386.3	8.5
50°-60°	610.6	13.4
60°-70°	880.2	19.3
70°-80°	544.8	11.9
80°-90°	54.0	1.2
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	5.8
150°-160°	226.8	5.0
160°-170°	152.2	3.3
170°-180°	53.3	1.2
0°-90°	3159.4	69.3
0°-180°	4559.1	100.0



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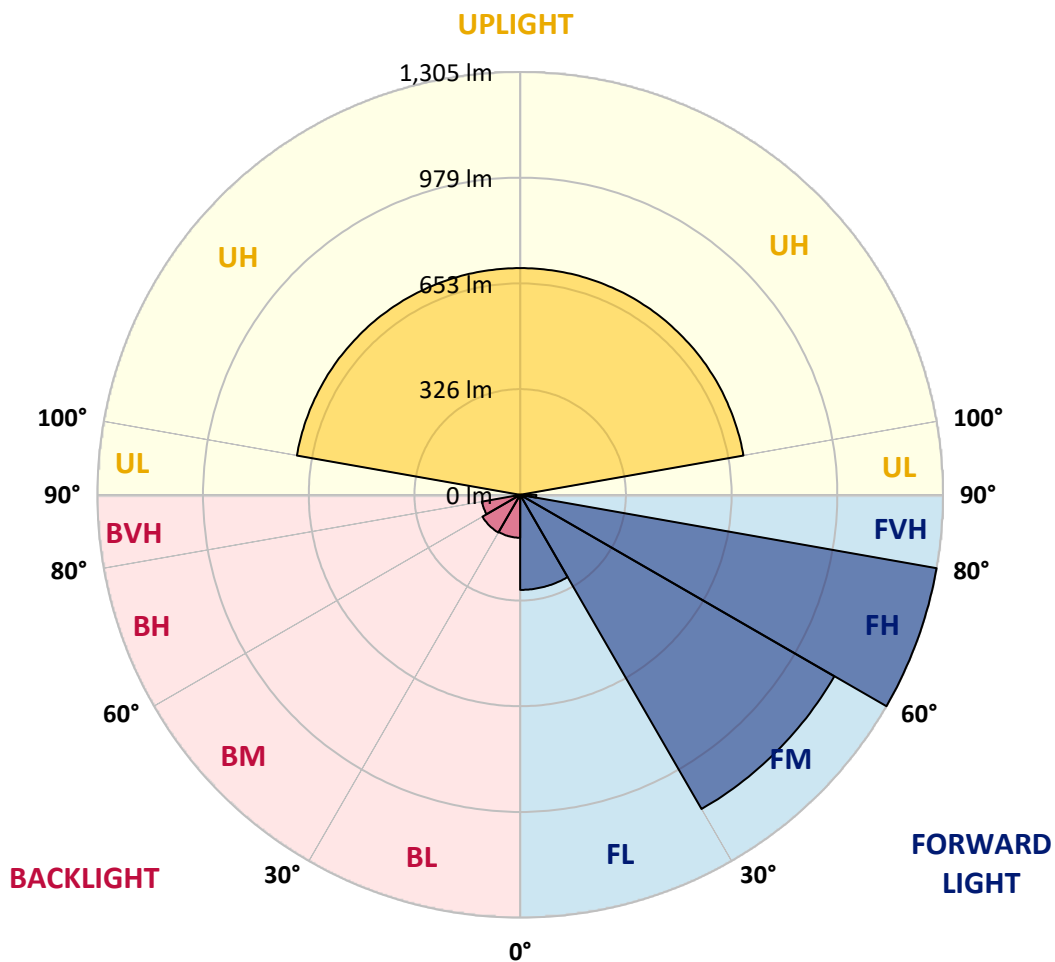
CATALOG NUMBER: ISS-AF-600-LED-E1-SL3-7027-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	293.4	6.4			
FM	(30°-60°)	1120.0	24.6			
FH	(60°-80°)	1305.3	28.6			G1/1800
FVH	(80°-90°)	49.7	1.1			G1/100
BL	(0°-30°)	132.5	2.9	B1/500		
BM	(30°-60°)	134.4	2.9	B0/220		
BH	(60°-80°)	119.7	2.6	B1/500		G1/500
BVH	(80°-90°)	4.3	0.1			G0/10
UL	(90°-100°)	4.7	0.1		U1/10	
UH	(100°-180°)	699.9	15.4		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°	836.2	836.2	836.2	836.2	836.2	836.2	836.2	836.2	836.2	836.2	836.2
2.5°	877.7	876.6	874.3	869.9	867.7	869.9	867.7	864.3	859.8	863.1	860.8
5°	875.5	877.7	873.2	869.9	875.5	877.7	873.2	873.2	868.8	873.2	871.0
7.5°	831.7	832.9	834.0	832.9	847.4	847.4	845.2	847.4	848.6	850.9	852.0
10°	776.9	777.9	780.2	783.5	801.5	803.7	804.8	807.0	810.5	812.7	819.4
12.5°	721.9	724.1	728.6	739.8	758.9	761.1	764.5	767.8	773.5	776.9	789.1
15°	676.0	677.1	681.5	693.9	721.9	727.4	729.7	734.3	745.4	745.4	758.9
17.5°	633.3	635.6	639.0	653.6	681.5	690.4	697.3	699.5	714.1	717.5	733.1
20°	600.9	602.0	603.1	616.6	642.3	655.8	661.3	670.3	681.5	690.4	703.9
22.5°	582.9	584.0	581.8	587.4	609.8	626.6	633.3	642.3	646.8	662.5	670.3
25°	584.0	585.2	579.6	576.2	587.4	605.3	610.9	619.9	617.7	640.0	640.0
27.5°	595.3	597.5	591.8	581.8	582.9	597.5	600.9	604.2	597.5	619.9	615.4
30°	617.7	619.9	613.1	605.3	593.0	602.0	602.0	602.0	589.6	608.7	600.9
32.5°	641.2	643.5	641.2	635.6	619.9	622.2	617.7	615.4	598.6	614.4	602.0
35°	676.0	677.1	678.2	678.2	655.8	660.3	647.9	641.2	625.5	637.9	621.0
37.5°	717.5	717.5	725.2	728.6	703.9	703.9	690.4	681.5	667.0	671.4	654.7
40°	754.4	757.8	775.7	785.7	763.4	754.4	743.2	735.4	724.1	724.1	707.3
42.5°	797.0	803.7	825.0	844.0	831.7	818.3	807.0	799.2	793.7	792.6	774.6
45°	849.7	857.5	881.1	899.0	902.3	892.3	883.3	875.5	871.0	868.8	853.0
47.5°	909.2	916.9	938.2	959.5	975.2	973.0	962.9	955.1	958.4	956.2	946.0
50°	975.2	979.7	993.2	1017.8	1053.7	1061.5	1059.3	1053.7	1060.4	1060.4	1051.5
52.5°	1027.9	1031.3	1041.3	1070.5	1129.9	1147.9	1162.5	1173.6	1184.9	1191.6	1186.0
55°	1076.1	1076.1	1077.2	1114.3	1202.8	1231.9	1264.5	1288.0	1302.5	1329.4	1340.7
57.5°	1154.6	1149.0	1147.9	1187.1	1290.2	1320.5	1367.6	1401.2	1421.4	1476.4	1475.2
60°	1132.1	1134.4	1174.7	1290.2	1469.5	1496.5	1539.1	1575.0	1613.1	1653.4	1656.7
62.5°	976.4	981.9	1042.6	1215.0	1583.9	1724.0	1855.2	1954.9	2010.9	2046.9	1997.5
65°	683.8	697.3	779.1	989.8	1458.4	1674.7	1882.1	2113.0	2290.0	2564.8	2644.3
67.5°	340.7	350.9	364.4	519.0	1089.6	1393.3	1679.2	1994.1	2229.6	2633.1	2858.5
70°	244.4	248.8	258.9	291.4	487.6	729.7	1066.0	1516.7	1793.6	2402.2	2720.6
72.5°	189.5	193.9	207.4	253.3	322.9	356.4	423.7	692.8	1030.2	1659.0	2089.5
75°	146.9	153.6	172.7	228.7	310.5	329.6	332.9	357.5	408.0	736.5	1171.4
77.5°	103.1	104.2	123.2	197.3	301.5	338.5	332.9	332.9	339.6	375.5	501.1
80°	68.5	69.5	81.8	136.7	264.6	308.3	340.7	325.1	326.3	331.8	340.7
82.5°	35.8	38.1	48.1	82.9	154.7	208.5	283.7	295.9	291.4	297.1	294.8
85°	10.2	10.2	16.8	31.4	76.3	80.7	125.5	171.5	174.9	198.4	211.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	4.5	10.2	11.2
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
110°	99.2	100.1	101.1	104.0	108.0	108.4	109.0	109.4	110.0	110.4	110.9



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CATALOG NUMBER: ISS-AF-600-LED-E1-SL3-7027-ULG

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°	50°
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°	59°	60°	62.5°	65°	67.5°	70°	72.5°	75°
0°	836.2	836.2	836.2	836.2	836.2	836.2	836.2	836.2	836.2	836.2	836.2
2.5°	863.1	858.7	857.5	855.3	856.4	853.0	852.0	847.4	847.4	845.2	843.0
5°	868.8	864.3	868.8	860.8	862.0	858.7	853.0	853.0	848.6	845.2	838.5
7.5°	853.0	853.0	854.2	849.7	850.9	849.7	843.0	841.8	835.2	835.2	827.2
10°	823.9	823.9	828.3	825.0	826.1	825.0	821.7	820.5	818.3	818.3	806.0
12.5°	790.3	797.0	803.7	800.4	800.4	802.6	802.6	803.7	802.6	801.5	791.4
15°	762.2	772.4	779.1	777.9	779.1	784.7	786.9	788.0	791.4	790.3	781.3
17.5°	736.5	747.7	753.3	757.8	761.1	765.6	772.4	775.7	780.2	779.1	770.0
20°	713.0	723.0	733.1	738.8	739.8	748.7	756.6	766.7	768.9	771.3	760.1
22.5°	688.3	697.3	717.5	714.1	721.9	738.8	743.2	757.8	757.8	765.6	749.9
25°	667.0	668.1	699.5	693.9	700.6	731.0	734.3	760.1	753.3	764.5	746.5
27.5°	645.7	644.5	682.6	676.0	683.8	725.2	727.4	763.4	756.6	770.0	746.5
30°	630.0	626.6	670.3	656.9	668.1	719.6	720.8	766.7	761.1	779.1	754.4
32.5°	626.6	621.0	659.2	649.0	660.3	714.1	720.8	779.1	772.4	794.8	763.4
35°	641.2	632.2	664.7	655.8	664.7	716.3	726.4	798.1	790.3	816.1	784.7
37.5°	668.1	661.3	688.3	679.3	686.0	732.0	740.9	822.8	821.7	853.0	817.2
40°	715.2	708.4	729.7	717.5	723.0	765.6	770.0	857.5	860.8	899.0	863.1
42.5°	779.1	767.8	784.7	770.0	777.9	816.1	811.6	900.1	910.3	962.9	921.4
45°	860.8	846.3	856.4	840.7	846.3	878.8	866.5	957.3	967.4	1032.4	995.4
47.5°	950.6	932.6	944.9	924.7	928.2	962.9	940.4	1025.7	1041.3	1123.2	1087.3
50°	1058.2	1034.7	1039.1	1020.0	1022.3	1057.0	1032.4	1109.8	1128.8	1219.6	1188.2
52.5°	1196.0	1162.5	1162.5	1136.6	1137.7	1172.5	1142.3	1209.5	1230.8	1322.8	1301.5
55°	1377.7	1350.7	1345.1	1318.3	1309.3	1315.9	1273.3	1320.5	1344.0	1430.3	1413.6
57.5°	1522.3	1518.9	1535.7	1497.7	1488.6	1490.8	1437.1	1440.4	1467.3	1534.6	1540.2
60°	1698.2	1703.8	1706.2	1674.7	1671.4	1639.9	1585.0	1576.1	1609.8	1655.7	1673.6
62.5°	1978.4	1972.9	1944.9	1921.4	1900.1	1815.9	1785.7	1736.3	1783.5	1809.3	1846.3
65°	2580.4	2522.1	2342.8	2358.5	2302.4	2119.7	2093.9	1994.1	2068.2	2069.2	2138.8
67.5°	3176.8	3291.1	3181.3	3183.5	3056.8	2726.2	2646.6	2448.2	2489.7	2441.4	2477.3
70°	3278.8	3439.1	3739.6	3685.7	3679.0	3424.5	3156.6	2826.0	2701.6	2598.3	2515.4
72.5°	2821.5	2981.7	3422.4	3300.1	3346.1	3423.4	3144.2	2896.6	2618.6	2487.4	2308.0
75°	1985.3	2216.2	2663.5	2599.5	2633.1	2760.9	2521.0	2491.9	2170.1	2082.7	1807.0
77.5°	1063.9	1349.6	1850.7	1772.3	1786.8	1859.7	1609.8	1558.1	1247.7	1161.3	848.6
80°	478.7	663.6	1039.1	951.8	926.0	884.4	651.3	513.4	313.9	208.5	144.5
82.5°	317.2	329.6	460.7	399.0	373.2	308.3	199.5	117.7	93.1	78.4	75.1
85°	213.0	195.0	193.9	171.5	159.2	125.5	93.1	58.3	48.1	40.3	37.0
87.5°	12.4	7.8	11.2	12.4	8.9	7.8	5.6	0.0	1.1	0.0	1.1
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	10.4	9.8	8.4	6.8	6.4	5.9	5.4	4.9
100°	30.9	31.4	30.9	30.6	30.5	29.9	29.5	28.7	27.9	27.3	26.5
102.5°	49.9	50.0	49.9	49.7	49.6	49.2	49.0	48.6	48.1	47.6	47.1
105°	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.2	68.7	68.2	67.7
107.5°	90.8	91.3	91.1	90.9	90.8	90.5	90.3	90.1	89.8	89.5	89.3
110°	111.4	111.9	111.9	111.9	111.9	111.9	111.9	111.7	111.4	111.1	110.9



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CANDELA DISTRIBUTION (continued):

	52.5°	55°	57.5°	59°	60°	62.5°	65°	67.5°	70°	72.5°	75°
112.5°	132.9	133.5	133.5	133.5	133.5	133.5	133.5	133.3	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	177.1	177.4	177.7	177.4	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	223.8	223.9	224.3	224.6	224.8
125°	248.1	248.3	248.5	248.7	248.8	249.1	249.3	249.3	249.3	249.3	249.3
127.5°	272.4	272.8	272.6	272.5	272.4	272.1	271.8	272.1	272.4	272.6	272.8
130°	294.9	295.5	295.5	295.5	295.5	295.5	295.5	295.6	295.9	296.2	296.4
132.5°	318.2	319.0	319.0	319.0	319.0	319.0	319.0	319.2	319.4	319.8	320.0
135°	340.7	341.5	341.5	341.5	341.5	341.5	341.5	341.7	342.1	342.3	342.5
137.5°	361.7	362.2	362.2	362.2	362.2	362.2	362.2	362.4	362.6	362.9	363.2
140°	382.6	382.8	382.8	382.8	382.8	382.8	382.8	383.3	383.8	384.3	384.7
142.5°	403.9	404.3	404.3	404.3	404.3	404.3	404.3	404.6	404.9	405.1	405.3
145°	425.4	426.0	425.8	425.5	425.4	425.2	425.0	425.2	425.4	425.8	426.0
147.5°	445.4	445.6	445.1	444.8	444.6	444.1	443.7	443.9	444.1	444.4	444.6
150°	462.1	462.3	461.8	461.5	461.3	460.8	460.3	460.3	460.3	460.3	460.3
152.5°	477.8	478.0	477.8	477.6	477.4	477.2	477.0	477.0	477.0	477.0	477.0
155°	494.4	494.7	494.4	494.2	494.2	493.9	493.7	493.9	494.2	494.4	494.7
157.5°	509.4	509.4	508.9	508.6	508.4	507.9	507.5	507.6	507.9	508.2	508.4
160°	522.2	522.2	521.6	521.4	521.2	520.7	520.2	520.2	520.2	520.2	520.2
162.5°	531.8	532.0	531.4	531.2	531.0	530.4	530.0	529.6	529.0	528.6	528.0
165°	542.6	542.8	541.9	541.6	541.3	540.6	539.8	539.3	538.8	538.4	537.8
167.5°	549.7	549.7	549.1	548.9	548.7	548.1	547.7	547.9	548.1	548.4	548.7
170°	554.7	554.5	554.3	554.2	554.1	553.7	553.5	554.1	554.5	555.1	555.5
172.5°	558.3	558.5	557.9	557.7	557.5	556.9	556.5	556.7	556.9	557.3	557.5
175°	562.2	562.4	561.6	561.2	560.9	560.3	559.5	558.9	558.5	557.9	557.5
177.5°	566.3	566.3	565.6	565.1	564.9	564.1	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°	836.2	836.2	836.2	836.2	836.2	836.2	836.2	836.2	836.2	836.2	836.2
2.5°	837.4	837.4	836.2	828.3	823.9	821.7	813.9	812.7	809.4	808.3	808.3
5°	836.2	831.7	826.1	814.9	803.7	793.7	790.3	782.4	776.9	770.0	770.0
7.5°	820.5	816.1	803.7	786.9	772.4	757.8	749.9	738.8	729.7	720.8	718.6
10°	802.6	795.9	779.1	756.6	737.6	711.7	701.8	687.1	677.1	663.6	650.1
12.5°	783.5	779.1	758.9	733.1	703.9	671.4	655.8	635.6	622.2	606.4	586.2
15°	775.7	766.7	740.9	708.4	672.7	633.3	610.9	589.6	569.4	551.5	524.6
17.5°	765.6	754.4	725.2	687.1	642.3	595.3	566.1	542.6	515.6	496.7	466.3
20°	754.4	737.6	706.2	660.3	609.8	553.7	516.7	493.2	457.3	438.4	402.4
22.5°	745.4	724.1	686.0	634.5	573.9	511.1	467.5	440.5	400.1	377.7	332.9
25°	743.2	717.5	671.4	613.1	543.7	469.6	417.0	390.1	339.6	313.9	261.1
27.5°	744.3	714.1	662.5	595.3	516.7	432.7	369.9	338.5	274.6	247.8	187.2
30°	745.4	715.2	653.6	579.6	492.1	394.5	320.5	283.7	207.4	183.8	130.1
32.5°	756.6	719.6	651.3	567.2	469.6	356.4	264.6	231.0	146.9	133.4	96.4
35°	770.0	734.3	655.8	564.9	452.8	318.4	207.4	172.7	105.4	102.0	78.4
37.5°	798.1	756.6	673.7	570.5	442.8	279.1	154.7	132.3	82.9	85.2	68.5
40°	840.7	794.8	702.8	587.4	441.7	239.8	114.4	103.1	71.8	74.0	62.8
42.5°	897.9	847.4	747.7	623.2	447.3	202.8	92.0	88.6	66.1	68.5	60.5
45°	973.0	921.4	810.5	669.1	463.0	172.7	80.7	80.7	63.9	66.1	59.4
47.5°	1068.3	1011.1	887.9	731.0	487.6	155.9	76.3	77.3	62.8	66.1	59.4
50°	1175.9	1113.1	986.5	810.5	525.7	151.4	77.3	77.3	63.9	66.1	59.4
52.5°	1288.0	1229.7	1093.0	901.3	578.4	161.4	79.6	78.4	63.9	66.1	58.3
55°	1402.3	1349.6	1210.6	1007.8	651.3	197.3	85.2	81.8	63.9	66.1	59.4
57.5°	1516.7	1479.7	1333.9	1122.2	742.1	262.3	107.5	95.3	70.7	71.8	60.5
60°	1645.5	1618.7	1473.0	1272.3	871.0	363.2	158.0	119.9	84.1	79.6	64.9
62.5°	1812.6	1805.9	1690.4	1488.6	1078.3	508.9	224.1	145.7	90.8	82.9	69.5
65°	2107.4	2125.3	2015.4	1741.9	1216.2	512.2	218.6	127.8	85.2	78.4	68.5
67.5°	2403.3	2350.7	2068.2	1703.8	1097.4	340.7	139.0	99.7	75.1	72.9	63.9
70°	2392.2	2248.6	1875.4	1489.7	866.5	184.9	100.9	82.9	67.2	67.2	60.5
72.5°	2145.5	1932.5	1533.5	1179.3	578.4	117.7	85.2	72.9	61.6	60.5	56.1
75°	1615.3	1364.2	985.4	679.3	257.8	76.3	64.9	59.4	53.8	53.8	49.4
77.5°	760.1	428.2	237.6	158.0	86.2	51.6	44.8	44.8	43.7	44.8	40.3
80°	103.1	93.1	79.6	69.5	52.7	35.8	32.5	33.7	32.5	33.7	30.3
82.5°	62.8	56.1	45.9	43.7	32.5	24.6	23.5	24.6	22.4	23.5	18.0
85°	30.3	26.9	21.3	20.2	16.8	14.6	12.4	14.6	11.2	12.4	7.8
87.5°	0.0	2.2	1.1	2.2	2.2	2.2	0.0	2.2	0.0	2.2	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
110°	111.1	111.4	111.9	110.9	111.9	111.4	111.1	110.9	111.1	111.4	111.7



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

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DISTRIBUTION (continued):

CANDELA DISTRIBUTION

115°	117.5°	120°	122.5°	125°	127.5°	130°	135°	145°	155°	165°	115°	115°
836.2	836.2	836.2	836.2	836.2	836.2	836.2	836.2	836.2	836.2	836.2	112.5°	133.5
802.6	799.2	798.1	793.7	792.6	788.0	786.9	782.4	774.6	771.3	765.6	115°	155.0
760.1	754.4	749.9	747.7	738.8	734.3	727.4	718.6	701.8	693.9	680.5	117.5°	177.7
700.6	699.5	686.0	681.5	670.3	662.5	652.3	637.9	613.1	598.6	577.3	120°	200.2
635.6	631.1	615.4	606.4	591.8	580.7	567.2	545.9	507.8	477.4	445.0	122.5°	223.8
575.1	561.6	543.7	530.2	512.2	496.7	481.0	448.3	387.9	338.5	293.7	125°	249.3
512.2	492.1	473.0	450.6	431.5	406.9	389.0	346.4	266.8	206.3	178.2	127.5°	271.8
448.3	420.4	399.0	368.8	347.6	313.9	294.8	243.2	174.9	148.0	139.0	130°	295.5
381.2	344.1	320.5	283.7	262.3	219.7	205.2	168.2	134.6	124.4	122.2	132.5°	319.0
309.4	264.6	238.8	198.4	183.8	158.0	146.9	128.9	113.3	108.8	111.0	135°	341.5
234.3	186.1	169.3	140.1	134.6	121.0	116.6	107.5	99.7	99.7	103.1	137.5°	362.2
167.1	130.1	125.5	107.5	106.4	99.7	96.4	92.0	89.7	92.0	96.4	140°	382.8
122.2	98.6	98.6	88.6	88.6	84.1	82.9	80.7	80.7	85.2	89.7	142.5°	404.3
96.4	80.7	82.9	75.1	76.3	72.9	74.0	72.9	74.0	77.3	80.7	145°	425.0
80.7	69.5	72.9	66.1	68.5	64.9	67.2	67.2	69.5	70.7	71.8	147.5°	443.7
71.8	63.9	66.1	61.6	63.9	60.5	63.9	63.9	64.9	64.9	64.9	150°	460.3
66.1	59.4	62.8	58.3	61.6	58.3	61.6	61.6	60.5	59.4	60.5	152.5°	477.0
62.8	58.3	61.6	57.1	60.5	57.1	59.4	58.3	56.1	56.1	56.1	155°	493.7
61.6	57.1	59.4	56.1	58.3	55.0	57.1	56.1	52.7	51.6	53.8	157.5°	507.5
61.6	56.1	59.4	55.0	57.1	53.8	56.1	52.7	49.4	49.4	52.7	160°	520.2
61.6	56.1	59.4	55.0	57.1	52.7	53.8	50.5	45.9	47.1	51.6	162.5°	530.0
62.8	58.3	60.5	56.1	57.1	50.5	52.7	48.1	44.8	45.9	49.4	165°	539.8
63.9	58.3	60.5	53.8	55.0	50.5	50.5	48.1	44.8	44.8	48.1	167.5°	547.7
63.9	57.1	58.3	52.7	53.8	48.1	49.4	47.1	43.7	42.6	44.8	170°	553.5
66.1	59.4	59.4	51.6	52.7	47.1	48.1	45.9	42.6	40.3	41.5	172.5°	556.5
68.5	60.5	61.6	53.8	53.8	48.1	49.4	44.8	40.3	38.1	39.3	175°	559.5
68.5	60.5	61.6	55.0	55.0	49.4	49.4	44.8	38.1	35.8	35.8	177.5°	563.3
64.9	59.4	60.5	55.0	55.0	49.4	49.4	43.7	37.0	33.7	32.5	180°	565.3
62.8	57.1	58.3	51.6	52.7	47.1	48.1	45.9	42.6	40.3	41.5		
57.1	52.7	52.7	48.1	47.1	41.5	41.5	38.1	32.5	28.0	25.8		
49.4	44.8	43.7	39.3	39.3	35.8	34.8	31.4	26.9	23.5	22.4		
40.3	34.8	34.8	29.1	29.1	25.8	26.9	23.5	20.2	19.0	18.0		
29.1	23.5	23.5	19.0	19.0	15.7	16.8	15.7	14.6	14.6	13.5		
18.0	12.4	13.5	10.2	12.4	8.9	10.2	8.9	8.9	7.8	7.8		
8.9	4.5	6.7	3.3	5.6	1.1	3.3	2.2	2.2	2.2	2.2		
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	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		
111.9	111.9	111.9	111.9	111.9	111.4	110.9	110.0	108.0	104.0	101.1		

'271583
 ISS-AF-600-LED-E1-SL3-7027-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°
133.5	133.5	133.5	133.5	132.9	132.5	131.5	129.5	126.6	123.7	0°	836.2	836.2
155.0	155.0	155.0	155.0	154.6	154.1	153.1	151.2	148.2	146.2	2.5°	760.1	763.4
177.4	177.1	176.9	176.7	176.4	176.2	175.7	173.7	170.8	168.8	5°	676.0	677.1
200.2	200.2	200.2	200.2	199.7	199.2	198.3	197.3	194.3	192.3	7.5°	573.9	571.7
223.8	223.8	223.8	223.8	223.6	223.3	222.8	221.8	218.8	216.9	10°	438.4	432.7
249.1	248.8	248.5	248.3	248.1	247.8	247.3	246.3	243.4	242.5	12.5°	282.4	274.6
272.1	272.4	272.6	272.8	272.4	271.8	270.9	269.0	267.0	265.0	15°	170.4	168.2
295.5	295.5	295.5	295.5	294.9	294.5	293.5	292.5	288.5	287.5	17.5°	136.7	136.7
319.0	319.0	319.0	319.0	318.2	317.6	316.0	315.0	312.1	311.2	20°	122.2	122.2
341.5	341.5	341.5	341.5	340.7	340.1	338.6	338.6	334.7	332.7	22.5°	113.3	113.3
362.2	362.2	362.2	362.2	361.7	361.2	360.2	360.2	357.3	356.3	25°	106.4	107.5
382.8	382.8	382.8	382.8	382.6	382.3	381.8	380.8	378.8	377.8	27.5°	100.9	100.9
404.3	404.3	404.3	404.3	403.9	403.4	402.4	402.4	399.5	400.5	30°	94.1	94.1
425.2	425.4	425.8	426.0	425.4	425.0	424.0	423.0	420.0	420.0	32.5°	82.9	82.9
444.1	444.6	445.1	445.6	445.4	445.1	444.6	443.7	439.7	438.7	35°	74.0	72.9
460.8	461.3	461.8	462.3	462.1	461.8	461.3	460.3	456.4	455.4	37.5°	66.1	67.2
477.2	477.4	477.8	478.0	477.8	477.4	477.0	476.0	473.0	474.0	40°	60.5	61.6
493.9	494.2	494.4	494.7	494.4	494.2	493.7	493.7	491.7	492.7	42.5°	58.3	58.3
507.9	508.4	508.9	509.4	509.4	509.4	509.4	509.4	506.5	507.5	45°	56.1	56.1
520.7	521.2	521.6	522.2	522.2	522.2	522.2	522.2	519.2	519.2	47.5°	56.1	56.1
530.4	531.0	531.4	532.0	531.8	531.4	531.0	531.0	528.0	529.0	50°	55.0	56.1
540.6	541.3	541.9	542.8	542.6	542.3	541.8	541.8	537.8	538.8	52.5°	53.8	53.8
548.1	548.7	549.1	549.7	549.7	549.7	549.7	550.6	547.7	548.7	55°	50.5	51.6
553.7	554.1	554.3	554.5	554.7	555.1	555.5	556.5	554.5	555.5	57.5°	47.1	48.1
556.9	557.5	557.9	558.5	558.3	557.9	557.5	558.5	556.5	558.5	60°	43.7	43.7
560.3	560.9	561.6	562.4	562.2	561.9	561.4	561.4	558.5	559.5	62.5°	39.3	39.3
564.1	564.9	565.6	566.3	566.3	566.3	566.3	567.3	563.3	564.3	65°	35.8	35.8
565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	67.5°	31.4	31.4
										70°	28.0	28.0
										72.5°	24.6	24.6
										75°	21.3	21.3
										77.5°	18.0	16.8
										80°	13.5	13.5
										82.5°	7.8	7.8
										85°	2.2	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
										110°	100.1	99.2



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CANDELA DISTRIBUTION (continued):

	175°	180°
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

