

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: P226339

Luminaire Tested: **ISW-AF-600-LED-E1-T2-7030-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P226339
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35937)-DOWNLIGHT AND
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: ISW-AF-600-LED-E1-T2-7030-ULG
Description: IMPACT ELITE LED WEDGE LUMINAIRE WITH UPLIGHT
LIGHT SQUARE WITH ACCULED OPTICS-TYPE II, WITH UPLIGHT GLOW
Light Source: (16) 3000K CCT, 70 CRI LEDs and (1) UPLIGHT LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5359.8 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.54')
IES Classification: Type II - 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

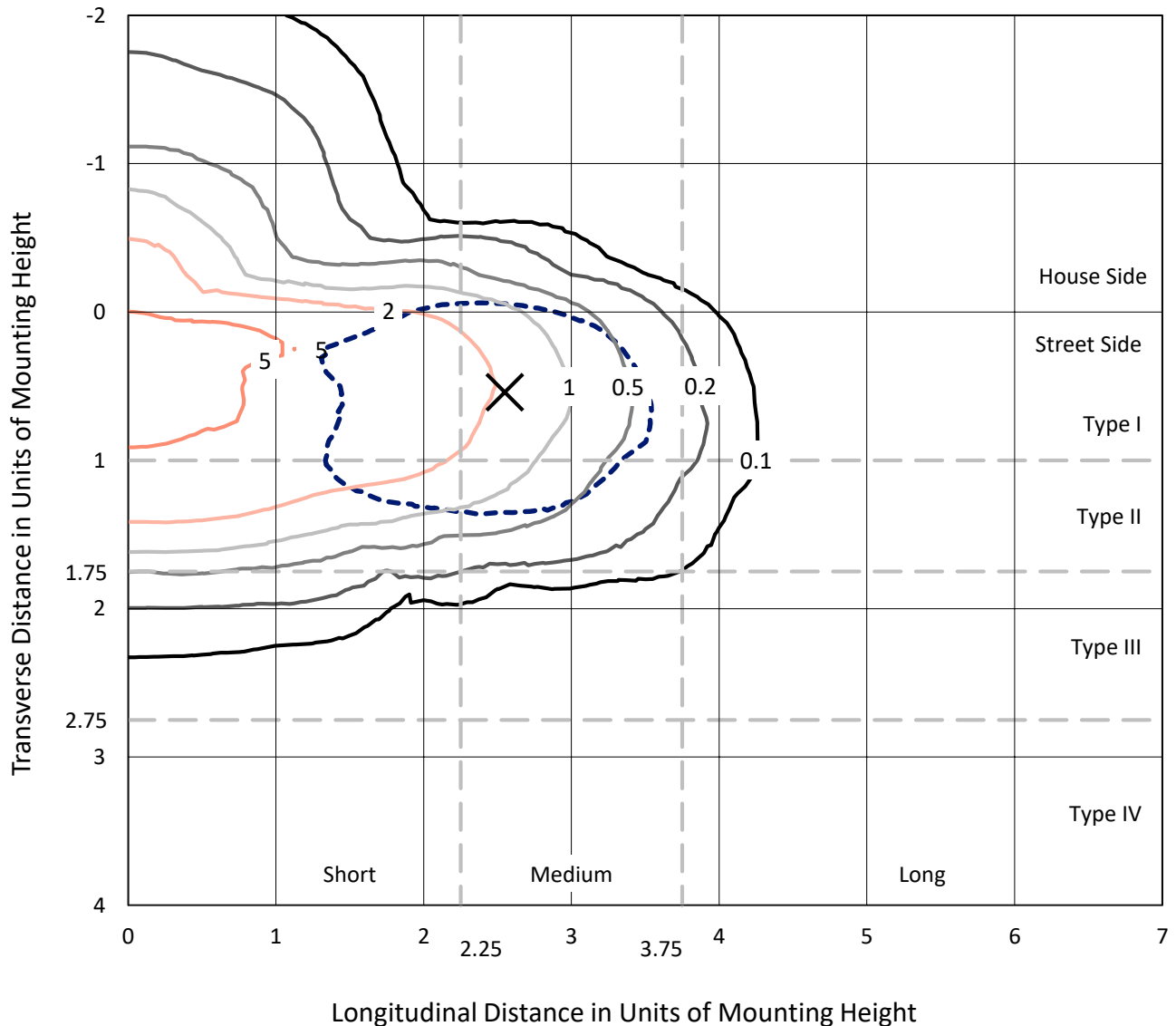


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

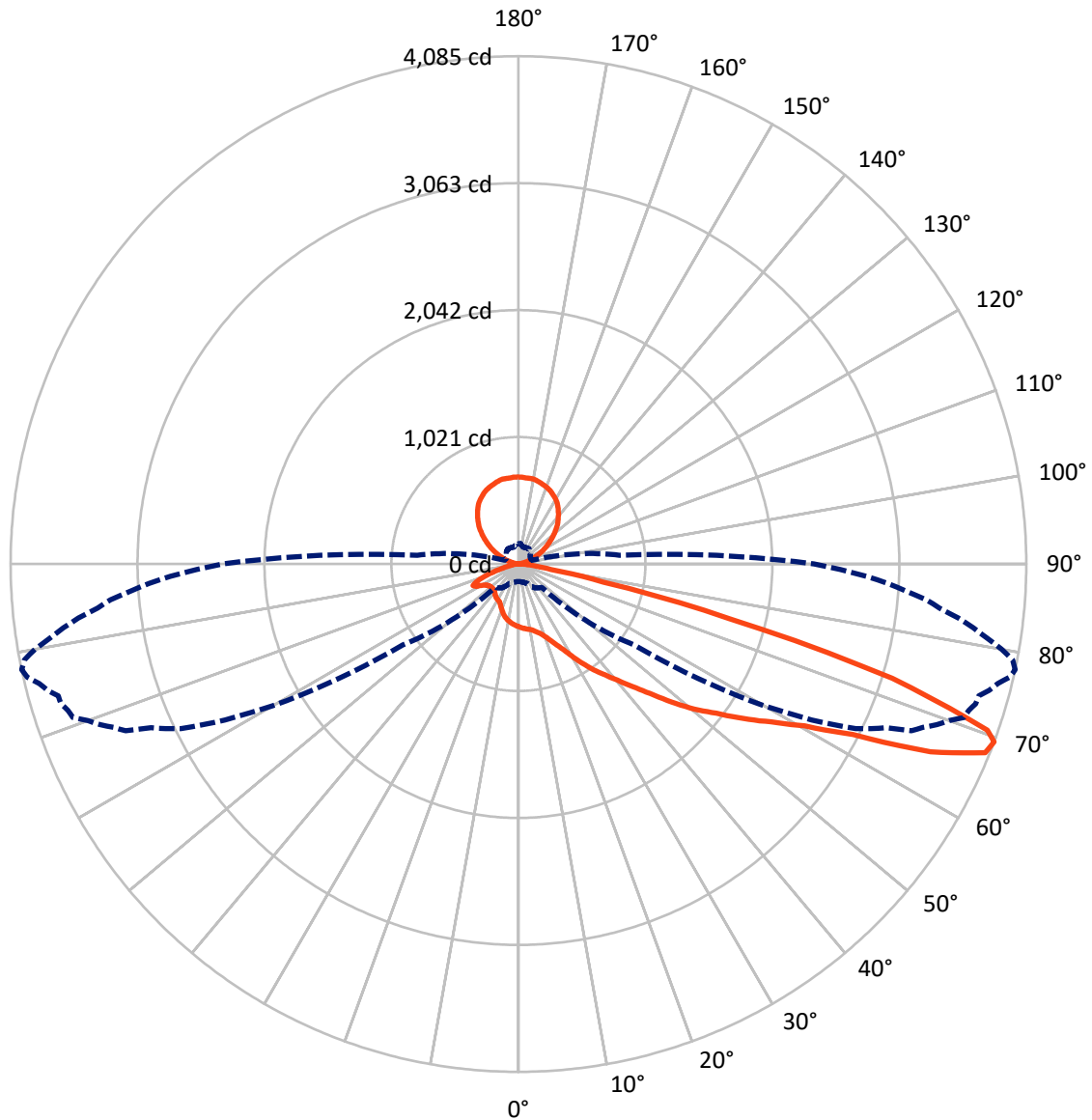


Based on 10 foot mounting height. Maximum calculated value = 6.5 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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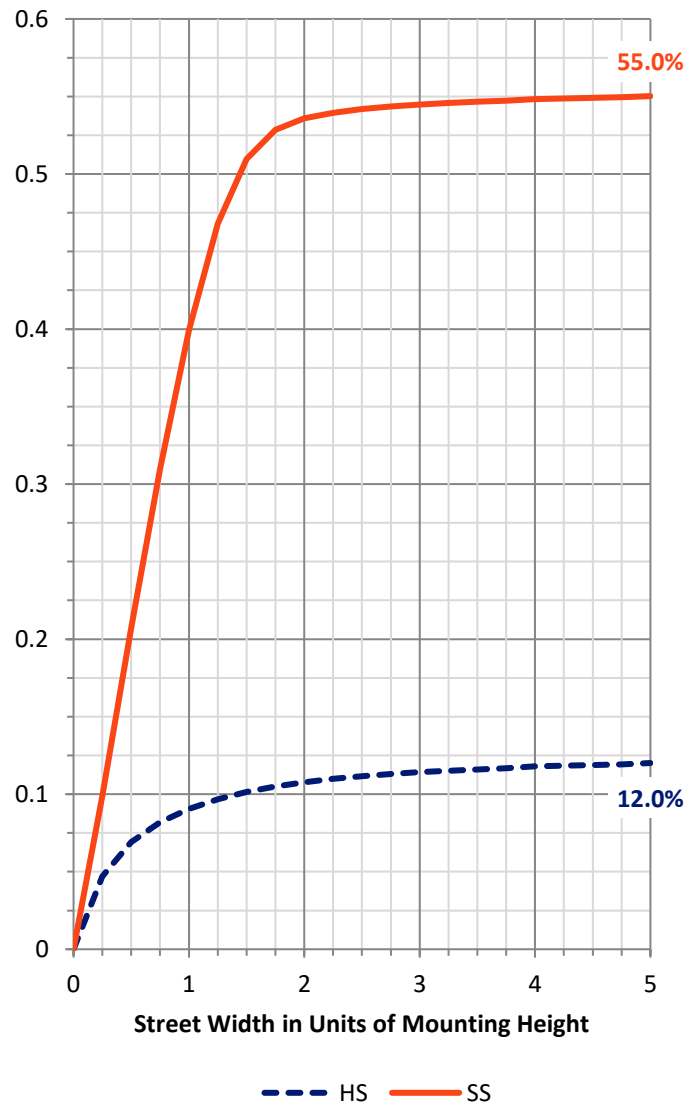
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	663.0	868.8	1531.9
	% Fixture	12.4	16.2	28.6
Street Side	Lumens	2959.7	868.2	3827.9
	% Fixture	55.2	16.2	71.4
Total	Lumens	3622.8	1737.0	5359.8
	% Fixture	67.6	32.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.8	0.9
10°-20°	141.3	2.6
20°-30°	253.3	4.7
30°-40°	413.5	7.7
40°-50°	611.6	11.4
50°-60°	798.6	14.9
60°-70°	893.1	16.7
70°-80°	401.0	7.5
80°-90°	63.6	1.2
90°-100°	11.1	0.2
100°-110°	57.4	1.1
110°-120°	166.1	3.1
120°-130°	273.2	5.1
130°-140°	336.8	6.3
140°-150°	344.6	6.4
150°-160°	290.3	5.4
160°-170°	191.2	3.6
170°-180°	66.3	1.2
0°-90°	3622.8	67.6
0°-180°	5359.8	100.0



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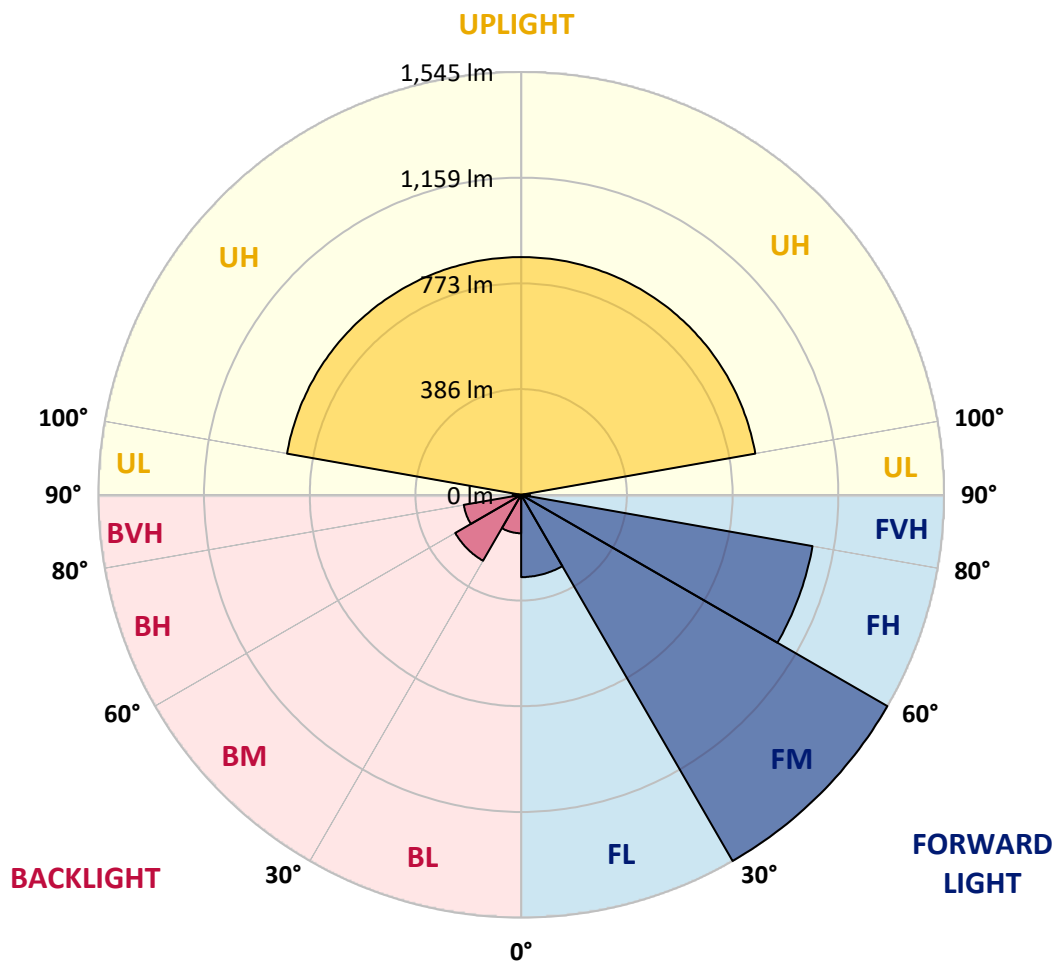
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	300.8	5.6			
FM	(30°-60°)	1545.3	28.8			
FH	(60°-80°)	1081.2	20.2			G1/1800
FVH	(80°-90°)	32.4	0.6			G1/100
BL	(0°-30°)	140.6	2.6	B1/500		
BM	(30°-60°)	278.4	5.2	B1/1000		
BH	(60°-80°)	212.9	4.0	B1/500		G1/500
BVH	(80°-90°)	31.1	0.6			G1/100
UL	(90°-100°)	11.1	0.2		U2/50	
UH	(100°-180°)	868.8	16.2		U4/1000	

BUG Rating: B1-U5-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	503.9	503.9	503.9	503.9	503.9	503.9	503.9	503.9	503.9	503.9	503.9
2.5°	539.7	539.7	538.1	537.1	535.5	531.3	525.0	523.9	523.4	522.3	521.3
5°	579.2	575.0	576.0	573.4	567.6	560.2	548.7	542.9	539.7	539.2	537.1
7.5°	611.2	611.8	610.2	604.9	597.0	588.1	572.3	563.4	560.8	559.2	555.5
10°	634.4	632.8	631.8	630.7	624.4	617.0	597.0	586.0	583.9	579.7	575.5
12.5°	651.2	651.2	651.2	650.2	646.5	640.7	624.9	613.9	611.2	605.5	601.8
15°	669.6	667.5	665.4	663.9	664.4	664.4	652.8	644.4	640.2	637.0	629.7
17.5°	709.1	704.4	699.6	693.3	683.3	680.7	680.2	679.6	673.8	673.3	666.0
20°	742.8	738.5	734.3	728.0	713.8	698.6	706.5	713.8	712.8	713.3	709.6
22.5°	784.3	781.2	772.7	765.4	747.0	728.6	729.6	745.4	747.5	749.6	750.6
25°	841.1	839.5	825.9	811.7	790.6	773.3	757.0	776.4	780.6	785.4	794.8
27.5°	898.5	894.8	880.1	867.4	841.1	822.7	800.1	810.6	816.9	825.9	840.6
30°	972.6	962.6	957.4	929.0	904.8	877.9	858.5	861.6	860.6	871.1	893.7
32.5°	1079.9	1064.2	1037.9	1009.5	981.0	945.3	929.0	928.4	925.8	937.9	950.5
35°	1137.8	1134.1	1117.8	1089.4	1058.4	1024.7	1014.2	1004.2	1005.8	1012.1	1016.8
37.5°	1200.4	1197.2	1184.6	1168.8	1145.2	1163.6	1105.2	1090.5	1083.6	1080.5	1082.0
40°	1227.8	1230.4	1237.2	1239.9	1226.2	1314.6	1199.4	1151.0	1148.9	1144.1	1139.4
42.5°	1233.5	1240.4	1254.1	1284.0	1297.2	1489.7	1277.2	1218.8	1210.4	1206.7	1207.2
45°	1254.6	1265.1	1267.7	1295.1	1357.2	1498.7	1365.1	1278.8	1272.5	1271.9	1268.8
47.5°	1305.6	1319.8	1319.8	1331.9	1390.8	1516.0	1395.0	1338.8	1334.5	1332.4	1340.9
50°	1313.0	1331.9	1369.8	1408.7	1451.3	1530.2	1429.2	1404.0	1405.6	1410.3	1435.0
52.5°	1188.3	1207.2	1307.2	1421.9	1560.7	1569.2	1480.8	1490.8	1501.3	1524.4	1569.7
55°	1018.9	1032.6	1151.0	1334.5	1564.9	1717.0	1610.2	1638.1	1660.2	1667.0	1738.0
57.5°	802.2	821.1	941.6	1179.9	1461.3	1759.1	1907.9	1920.5	1895.8	1918.4	1944.2
60°	434.5	432.4	600.2	853.2	1243.5	1681.2	2195.1	2411.9	2417.1	2451.8	2410.3
62.5°	243.0	243.0	291.4	438.2	800.1	1422.4	2333.0	2836.9	2902.6	2957.9	3079.4
65°	183.6	185.2	202.5	264.1	449.2	897.9	2232.0	2982.1	3108.3	3235.1	3448.1
67.5°	152.5	152.5	165.2	196.7	280.9	407.7	1643.3	2690.7	2848.5	3000.0	3294.5
69°	141.5	142.0	151.5	173.1	235.1	265.1	1135.2	2281.4	2461.8	2671.7	3018.9
70°	136.2	134.7	143.6	161.5	213.0	209.4	831.7	1983.7	2123.6	2311.9	2711.2
72.5°	121.0	119.4	124.1	137.8	167.8	149.4	339.3	1067.3	1278.3	1489.2	1807.4
75°	107.8	106.3	109.9	116.3	130.5	114.1	170.4	447.1	541.3	699.6	965.3
77.5°	95.2	92.1	95.2	99.4	102.6	85.2	115.7	206.7	253.5	311.4	439.8
80°	86.3	83.1	86.8	84.7	80.5	65.8	76.8	120.5	133.6	159.9	209.4
82.5°	61.5	61.0	82.6	85.2	64.2	47.9	54.7	77.3	86.3	91.0	110.5
85°	37.9	36.3	47.9	61.0	65.2	30.0	35.2	45.8	47.9	52.1	61.5
87.5°	19.5	20.0	25.8	31.6	42.6	17.9	21.0	26.8	26.8	26.8	30.5
90°	9.7	10.8	14.9	19.0	16.9	11.7	14.9	14.3	15.6	14.7	16.2
92.5°	4.0	4.0	5.0	6.0	6.0	6.0	7.0	7.0	7.0	7.0	7.0
95°	5.0	5.0	6.0	7.0	7.0	7.0	7.0	7.5	7.6	7.7	7.9
97.5°	7.0	7.0	8.0	8.0	9.0	9.0	12.0	11.0	10.8	10.6	10.2
100°	8.0	8.0	9.0	10.0	12.0	21.0	29.0	27.5	27.2	26.9	26.3
102.5°	11.0	11.0	13.0	18.0	27.0	40.0	50.0	48.5	48.2	47.9	47.3
105°	21.0	22.0	27.0	36.0	48.0	63.0	72.0	71.0	70.8	70.6	70.2
107.5°	41.0	42.0	49.0	58.0	73.0	88.0	95.0	94.5	94.4	94.3	94.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
110°	66.0	68.0	74.0	87.0	102.0	114.0	120.0	120.5	120.6	120.7	120.9
112.5°	99.0	99.0	106.0	121.0	134.0	143.0	148.0	149.0	149.2	149.4	149.8
115°	140.0	139.0	147.0	159.0	168.0	174.0	179.0	180.5	180.8	181.1	181.7
117.5°	184.0	184.0	189.0	197.0	202.0	205.0	211.0	213.0	213.4	213.8	214.6
120°	225.0	223.0	226.0	233.0	237.0	243.0	246.0	248.0	248.4	248.8	249.6
122.5°	263.0	260.0	261.0	267.0	271.0	277.0	279.0	281.0	281.4	281.8	282.6
125°	298.0	294.0	296.0	299.0	305.0	310.0	313.0	314.0	314.2	314.4	314.8
127.5°	330.0	329.0	329.0	333.0	339.0	340.0	345.0	345.5	345.6	345.7	345.9
130°	363.0	361.0	362.0	366.0	370.0	372.0	377.0	379.0	379.4	379.8	380.6
132.5°	396.0	394.0	393.0	401.0	404.0	405.0	411.0	413.5	414.0	414.5	415.5
135°	429.0	426.0	426.0	432.0	435.0	437.0	443.0	445.5	446.0	446.5	447.5
137.5°	460.0	457.0	459.0	460.0	464.0	468.0	473.0	474.0	474.2	474.4	474.8
140°	488.0	485.0	487.0	489.0	491.0	497.0	500.0	501.0	501.2	501.4	501.8
142.5°	518.0	515.0	517.0	518.0	521.0	525.0	527.0	530.0	530.6	531.2	532.4
145°	550.0	546.0	544.0	547.0	550.0	551.0	556.0	559.0	559.6	560.2	561.4
147.5°	575.0	572.0	571.0	574.0	574.0	575.0	580.0	582.5	583.0	583.5	584.5
150°	595.0	592.0	593.0	593.0	593.0	593.0	597.0	598.5	598.8	599.1	599.7
152.5°	611.0	608.0	608.0	609.0	610.0	610.0	611.0	612.5	612.8	613.1	613.7
155°	629.0	625.0	625.0	627.0	630.0	628.0	626.0	628.5	629.0	629.5	630.5
157.5°	646.0	643.0	643.0	644.0	646.0	645.0	644.0	646.0	646.4	646.8	647.6
160°	663.0	660.0	659.0	656.0	655.0	655.0	658.0	661.0	661.6	662.2	663.4
162.5°	673.0	669.0	669.0	665.0	661.0	663.0	667.0	669.0	669.4	669.8	670.6
165°	681.0	678.0	676.0	676.0	673.0	673.0	672.0	674.5	675.0	675.5	676.5
167.5°	690.0	687.0	684.0	686.0	688.0	685.0	678.0	681.0	681.6	682.2	683.4
170°	698.0	695.0	692.0	692.0	693.0	691.0	686.0	687.5	687.8	688.1	688.7
172.5°	699.0	697.0	695.0	693.0	690.0	690.0	689.0	690.5	690.8	691.1	691.7
175°	700.0	698.0	697.0	695.0	691.0	690.0	690.0	692.5	693.0	693.5	694.5
177.5°	707.0	705.0	700.0	699.0	697.0	695.0	694.0	696.5	697.0	697.5	698.5
180°	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0



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CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	503.9	503.9	503.9	503.9	503.9	503.9	503.9	503.9	503.9	503.9	503.9
2.5°	521.8	520.2	518.1	518.7	517.6	516.0	516.6	516.0	516.6	515.5	514.5
5°	537.1	536.0	532.9	532.3	531.3	530.2	528.7	527.1	526.6	525.5	523.4
7.5°	554.4	551.3	549.7	547.6	545.0	540.8	540.2	538.1	536.6	535.5	532.9
10°	572.3	568.6	566.5	563.9	561.3	558.6	556.0	552.3	548.7	547.6	544.4
12.5°	599.2	594.4	590.2	586.0	583.4	578.6	575.0	570.2	566.5	565.0	559.7
15°	628.6	622.3	618.1	614.9	610.7	606.5	601.8	597.6	591.8	587.1	582.3
17.5°	663.3	657.5	654.4	648.6	643.3	638.6	634.9	629.7	624.9	616.5	612.3
20°	709.1	704.4	700.7	694.4	688.6	683.8	680.7	669.6	663.3	656.0	649.1
22.5°	751.7	752.2	748.5	744.3	740.7	734.3	729.1	721.2	713.3	704.4	694.9
25°	798.0	802.2	802.7	801.7	799.6	792.2	789.6	781.7	775.4	760.6	756.4
27.5°	849.5	854.3	860.1	867.4	869.0	861.1	864.8	856.9	845.9	839.5	825.9
30°	899.5	912.7	924.8	933.2	938.4	942.1	939.5	936.9	929.5	919.0	906.9
32.5°	963.7	977.4	989.5	1007.9	1017.3	1028.9	1026.8	1027.9	1025.2	1014.7	1000.5
35°	1028.4	1040.5	1056.3	1068.4	1091.5	1104.1	1114.7	1114.1	1114.1	1107.8	1094.1
37.5°	1085.7	1092.6	1105.7	1125.7	1141.0	1161.0	1177.8	1184.6	1195.7	1196.2	1181.5
40°	1145.7	1152.5	1162.5	1177.3	1194.1	1217.8	1240.4	1262.5	1273.0	1284.0	1278.3
42.5°	1210.4	1217.8	1225.1	1234.6	1258.8	1277.2	1307.7	1337.7	1359.3	1381.9	1379.3
45°	1274.6	1283.0	1293.5	1307.7	1329.3	1359.3	1388.7	1422.4	1471.8	1498.7	1517.1
47.5°	1347.2	1360.8	1380.3	1402.9	1420.3	1451.3	1488.7	1540.7	1590.7	1637.0	1665.9
50°	1456.6	1461.8	1493.4	1515.5	1548.6	1580.2	1617.5	1663.3	1728.0	1775.4	1821.6
52.5°	1585.5	1605.4	1637.0	1662.3	1688.6	1720.1	1758.5	1799.6	1863.7	1916.9	1976.8
55°	1751.7	1780.1	1807.4	1821.1	1857.9	1886.4	1917.4	1957.9	2026.8	2084.7	2155.2
57.5°	1950.0	1978.4	1991.6	2011.5	2027.3	2058.9	2101.0	2128.3	2189.3	2249.3	2324.0
60°	2357.1	2339.3	2355.0	2324.0	2319.3	2321.9	2330.8	2351.9	2386.1	2441.8	2520.7
62.5°	3092.0	3066.2	2997.9	2973.1	2925.3	2860.6	2799.5	2791.1	2773.2	2815.3	2864.8
65°	3521.3	3614.9	3624.9	3651.2	3632.3	3581.8	3510.2	3487.1	3429.2	3388.7	3386.1
67.5°	3418.2	3558.6	3646.5	3757.4	3819.0	3879.0	3894.7	3915.3	3877.9	3859.5	3864.8
69°	3131.5	3235.6	3432.4	3508.1	3605.4	3685.4	3790.6	3809.0	3845.3	3850.6	3920.5
70°	2847.4	3000.5	3113.1	3226.7	3361.3	3449.2	3496.5	3574.4	3664.3	3708.5	3784.3
72.5°	2047.3	2097.3	2177.2	2324.5	2361.9	2452.9	2546.0	2612.3	2718.0	2792.7	2971.0
75°	1104.7	1134.7	1260.4	1344.0	1366.1	1396.1	1464.5	1480.8	1520.2	1544.4	1715.9
77.5°	504.5	550.2	566.5	612.3	586.5	599.2	615.5	611.8	622.8	675.4	735.4
80°	232.5	241.4	247.8	266.7	267.8	263.5	265.1	262.5	260.4	268.8	275.1
82.5°	113.1	126.8	126.8	138.3	144.1	142.6	145.7	144.7	146.8	144.7	151.5
85°	66.3	66.3	71.5	77.9	76.8	78.9	78.9	83.1	83.6	84.7	84.7
87.5°	31.0	34.2	35.8	38.4	39.5	41.0	42.1	42.1	42.6	41.6	42.6
90°	16.9	16.9	22.2	22.2	23.2	24.8	22.7	23.7	27.4	22.7	26.4
92.5°	7.0	6.9	6.8	6.7	6.6	6.5	6.4	6.3	6.2	6.1	6.0
95°	8.0	7.9	7.8	7.7	7.6	7.5	7.4	7.3	7.2	7.1	7.0
97.5°	10.0	9.9	9.8	9.7	9.6	9.5	9.4	9.3	9.2	9.1	9.0
100°	26.0	25.7	25.4	25.1	24.8	24.5	24.2	23.9	23.6	23.3	23.0
102.5°	47.0	46.5	46.0	45.5	45.0	44.5	44.0	43.5	43.0	42.5	42.0
105°	70.0	69.5	69.0	68.5	68.0	67.5	67.0	66.5	66.0	65.5	65.0
107.5°	94.0	93.6	93.2	92.8	92.4	92.0	91.6	91.2	90.8	90.4	90.0



REPORT NUMBER: P226339

CATALOG NUMBER: ISW-AF-600-LED-E1-T2-7030-ULG

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
110°	121.0	120.8	120.6	120.4	120.2	120.0	119.8	119.6	119.4	119.2	119.0
112.5°	150.0	149.9	149.8	149.7	149.6	149.5	149.4	149.3	149.2	149.1	149.0
115°	182.0	181.7	181.4	181.1	180.8	180.5	180.2	179.9	179.6	179.3	179.0
117.5°	215.0	214.5	214.0	213.5	213.0	212.5	212.0	211.5	211.0	210.5	210.0
120°	250.0	249.5	249.0	248.5	248.0	247.5	247.0	246.5	246.0	245.5	245.0
122.5°	283.0	282.5	282.0	281.5	281.0	280.5	280.0	279.5	279.0	278.5	278.0
125°	315.0	314.5	314.0	313.5	313.0	312.5	312.0	311.5	311.0	310.5	310.0
127.5°	346.0	346.0	346.0	346.0	346.0	346.0	346.0	346.0	346.0	346.0	346.0
130°	381.0	381.0	381.0	381.0	381.0	381.0	381.0	381.0	381.0	381.0	381.0
132.5°	416.0	415.8	415.6	415.4	415.2	415.0	414.8	414.6	414.4	414.2	414.0
135°	448.0	447.9	447.8	447.7	447.6	447.5	447.4	447.3	447.2	447.1	447.0
137.5°	475.0	475.1	475.2	475.3	475.4	475.5	475.6	475.7	475.8	475.9	476.0
140°	502.0	502.2	502.4	502.6	502.8	503.0	503.2	503.4	503.6	503.8	504.0
142.5°	533.0	533.0	533.0	533.0	533.0	533.0	533.0	533.0	533.0	533.0	533.0
145°	562.0	561.9	561.8	561.7	561.6	561.5	561.4	561.3	561.2	561.1	561.0
147.5°	585.0	585.1	585.2	585.3	585.4	585.5	585.6	585.7	585.8	585.9	586.0
150°	600.0	600.3	600.6	600.9	601.2	601.5	601.8	602.1	602.4	602.7	603.0
152.5°	614.0	614.4	614.8	615.2	615.6	616.0	616.4	616.8	617.2	617.6	618.0
155°	631.0	631.5	632.0	632.5	633.0	633.5	634.0	634.5	635.0	635.5	636.0
157.5°	648.0	648.2	648.4	648.6	648.8	649.0	649.2	649.4	649.6	649.8	650.0
160°	664.0	663.7	663.4	663.1	662.8	662.5	662.2	661.9	661.6	661.3	661.0
162.5°	671.0	670.9	670.8	670.7	670.6	670.5	670.4	670.3	670.2	670.1	670.0
165°	677.0	677.3	677.6	677.9	678.2	678.5	678.8	679.1	679.4	679.7	680.0
167.5°	684.0	684.4	684.8	685.2	685.6	686.0	686.4	686.8	687.2	687.6	688.0
170°	689.0	689.5	690.0	690.5	691.0	691.5	692.0	692.5	693.0	693.5	694.0
172.5°	692.0	692.2	692.4	692.6	692.8	693.0	693.2	693.4	693.6	693.8	694.0
175°	695.0	695.1	695.2	695.3	695.4	695.5	695.6	695.7	695.8	695.9	696.0
177.5°	699.0	699.2	699.4	699.6	699.8	700.0	700.2	700.4	700.6	700.8	701.0
180°	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0



REPORT NUMBER: P226339

CATALOG NUMBER: ISW-AF-600-LED-E1-T2-7030-ULG

CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	503.9	503.9	503.9	503.9	503.9	503.9	503.9	503.9	503.9	503.9	503.9
2.5°	513.4	514.5	513.9	511.8	511.3	511.3	510.3	509.7	508.7	508.1	509.2
5°	522.9	522.9	521.3	519.2	517.1	516.6	516.0	513.4	512.4	511.3	510.3
7.5°	531.8	530.8	528.7	525.0	522.9	522.3	520.2	517.6	515.0	512.9	511.8
10°	541.3	540.2	536.0	533.4	529.2	528.7	525.0	521.8	519.2	516.6	514.5
12.5°	555.0	553.9	549.2	542.9	539.7	537.6	532.9	529.2	525.5	522.3	518.7
15°	576.0	571.8	568.6	562.3	557.6	553.4	547.6	542.3	537.1	531.8	528.7
17.5°	605.5	599.7	591.3	587.6	581.3	574.4	566.5	562.9	556.0	549.7	543.4
20°	643.9	638.1	624.9	620.2	611.2	601.3	594.9	587.1	581.3	571.3	564.4
22.5°	686.5	681.2	668.6	656.0	647.5	639.7	629.7	619.7	608.6	599.2	591.8
25°	741.7	733.8	722.8	710.1	697.5	686.5	672.8	658.6	649.1	636.0	625.5
27.5°	816.9	803.3	784.8	771.2	761.2	744.3	727.5	714.9	700.1	682.8	671.2
30°	898.5	883.2	869.5	853.7	836.9	820.6	797.5	779.1	763.3	744.9	725.9
32.5°	988.9	975.8	956.3	935.8	917.4	896.9	880.1	860.6	833.2	813.8	793.8
35°	1079.9	1064.7	1044.7	1027.3	1006.3	985.3	966.3	940.5	915.8	887.9	860.1
37.5°	1167.8	1154.6	1132.5	1106.2	1087.8	1065.2	1045.8	1018.4	988.9	957.9	936.9
40°	1265.6	1244.6	1229.3	1198.8	1179.9	1154.6	1126.8	1105.7	1077.3	1043.6	1013.7
42.5°	1377.7	1362.9	1346.6	1321.9	1301.9	1271.9	1236.7	1209.9	1183.6	1143.6	1102.0
45°	1519.7	1510.2	1483.4	1463.4	1436.6	1405.0	1374.5	1341.9	1300.4	1254.1	1216.2
47.5°	1690.1	1682.8	1658.6	1630.2	1594.9	1552.3	1523.9	1479.2	1444.0	1386.1	1340.9
50°	1844.8	1848.5	1835.3	1791.7	1760.1	1717.5	1672.8	1633.9	1579.7	1519.7	1461.8
52.5°	2029.4	2025.7	1992.6	1968.4	1931.1	1879.5	1830.6	1780.6	1721.2	1659.1	1587.0
55°	2206.2	2217.2	2194.1	2159.9	2114.6	2042.6	1993.1	1928.4	1865.8	1797.5	1714.3
57.5°	2377.7	2412.9	2395.0	2354.5	2308.2	2256.2	2190.9	2118.3	2053.6	1964.2	1870.6
60°	2591.2	2638.1	2645.4	2619.1	2568.6	2508.1	2422.4	2365.6	2276.7	2194.1	2122.0
62.5°	2920.0	3026.3	3019.9	3032.6	2996.8	2959.5	2859.0	2798.0	2682.2	2622.8	2522.3
65°	3469.2	3547.6	3641.7	3638.6	3613.8	3524.4	3420.3	3318.2	3241.9	3124.6	3019.9
67.5°	3930.0	3994.7	4050.4	4021.5	3964.7	3864.2	3742.2	3600.2	3483.9	3354.5	3217.2
69°	3973.1	4052.0	4084.6	4048.9	3946.8	3815.8	3696.4	3564.4	3404.5	3293.5	3126.2
70°	3857.4	3935.2	4001.0	3908.9	3815.3	3687.5	3557.0	3419.7	3276.7	3157.2	2988.4
72.5°	3064.1	3152.0	3143.0	3133.0	3058.4	2930.5	2810.6	2736.9	2636.5	2492.3	2370.3
75°	1781.7	1822.2	1751.2	1825.9	1736.4	1607.6	1624.4	1541.3	1467.6	1384.5	1320.3
77.5°	699.6	735.4	698.0	685.9	646.0	637.0	570.2	578.1	545.0	479.7	449.8
80°	265.1	269.9	263.5	250.4	247.8	232.5	228.3	213.6	206.7	185.2	177.3
82.5°	142.6	145.2	141.0	136.8	133.6	124.7	118.9	107.8	101.5	94.7	94.2
85°	82.1	80.0	77.9	75.7	71.0	65.8	61.5	57.3	52.6	48.9	45.2
87.5°	43.1	43.7	44.2	42.1	38.9	34.7	32.1	30.5	26.8	25.2	23.7
90°	23.0	19.1	20.5	23.5	22.2	19.4	18.6	16.9	15.1	14.9	13.3
92.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
95°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
97.5°	8.9	8.8	8.7	8.6	8.5	8.4	8.3	8.2	8.1	8.0	8.0
100°	22.6	22.2	21.8	21.4	21.0	20.6	20.2	19.8	19.4	19.0	19.0
102.5°	41.7	41.4	41.1	40.8	40.5	40.2	39.9	39.6	39.3	39.0	38.8
105°	64.6	64.2	63.8	63.4	63.0	62.6	62.2	61.8	61.4	61.0	61.0
107.5°	89.7	89.4	89.1	88.8	88.5	88.2	87.9	87.6	87.3	87.0	86.8



REPORT NUMBER: P226339
 CATALOG NUMBER: ISW-AF-600-LED-E1-T2-7030-ULG

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°	
110°	118.7	118.4	118.1	117.8	117.5	117.2	116.9	116.6	116.3	116.0	116.2	0°
112.5°	148.8	148.6	148.4	148.2	148.0	147.8	147.6	147.4	147.2	147.0	147.0	2.5°
115°	178.8	178.6	178.4	178.2	178.0	177.8	177.6	177.4	177.2	177.0	177.2	5°
117.5°	209.8	209.6	209.4	209.2	209.0	208.8	208.6	208.4	208.2	208.0	208.2	7.5°
120°	244.8	244.6	244.4	244.2	244.0	243.8	243.6	243.4	243.2	243.0	243.0	10°
122.5°	277.8	277.6	277.4	277.2	277.0	276.8	276.6	276.4	276.2	276.0	276.2	12.5°
125°	310.0	310.0	310.0	310.0	310.0	310.0	310.0	310.0	310.0	310.0	310.0	15°
127.5°	345.9	345.8	345.7	345.6	345.5	345.4	345.3	345.2	345.1	345.0	345.4	17.5°
130°	380.8	380.6	380.4	380.2	380.0	379.8	379.6	379.4	379.2	379.0	379.2	20°
132.5°	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.2	22.5°
135°	447.3	447.6	447.9	448.2	448.5	448.8	449.1	449.4	449.7	450.0	450.2	25°
137.5°	476.5	477.0	477.5	478.0	478.5	479.0	479.5	480.0	480.5	481.0	481.2	27.5°
140°	504.5	505.0	505.5	506.0	506.5	507.0	507.5	508.0	508.5	509.0	509.4	30°
142.5°	533.1	533.2	533.3	533.4	533.5	533.6	533.7	533.8	533.9	534.0	534.4	32.5°
145°	560.7	560.4	560.1	559.8	559.5	559.2	558.9	558.6	558.3	558.0	558.4	35°
147.5°	585.7	585.4	585.1	584.8	584.5	584.2	583.9	583.6	583.3	583.0	583.4	37.5°
150°	603.3	603.6	603.9	604.2	604.5	604.8	605.1	605.4	605.7	606.0	606.8	40°
152.5°	618.5	619.0	619.5	620.0	620.5	621.0	621.5	622.0	622.5	623.0	624.0	42.5°
155°	636.2	636.4	636.6	636.8	637.0	637.2	637.4	637.6	637.8	638.0	638.6	45°
157.5°	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	651.0	47.5°
160°	660.9	660.8	660.7	660.6	660.5	660.4	660.3	660.2	660.1	660.0	661.2	50°
162.5°	669.8	669.6	669.4	669.2	669.0	668.8	668.6	668.4	668.2	668.0	669.2	52.5°
165°	679.8	679.6	679.4	679.2	679.0	678.8	678.6	678.4	678.2	678.0	678.8	55°
167.5°	688.0	688.0	688.0	688.0	688.0	688.0	688.0	688.0	688.0	688.0	689.2	57.5°
170°	694.2	694.4	694.6	694.8	695.0	695.2	695.4	695.6	695.8	696.0	697.0	60°
172.5°	694.2	694.4	694.6	694.8	695.0	695.2	695.4	695.6	695.8	696.0	697.0	62.5°
175°	695.8	695.6	695.4	695.2	695.0	694.8	694.6	694.4	694.2	694.0	695.0	65°
177.5°	700.7	700.4	700.1	699.8	699.5	699.2	698.9	698.6	698.3	698.0	698.8	67.5°
180°	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	69°
												70°
												72.5°
												75°
												77.5°
												80°
												82.5°
												85°
												87.5°
												90°
												92.5°
												95°
												97.5°
												100°
												102.5°
												105°
												107.5°

NUMBER: P226339
 NUMBER: ISW-AF-600-LED-E1-T2-7030-ULG

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°	110°	87°
503.9	503.9	503.9	503.9	503.9	503.9	503.9	503.9	503.9	503.9	503.9	110°	116.4
507.6	507.6	506.0	505.0	501.3	495.0	488.7	482.9	475.0	471.9	467.6	112.5°	147.0
509.2	508.1	506.6	504.5	497.1	482.4	467.1	450.8	434.0	418.7	400.8	115°	177.4
510.3	508.1	506.0	503.4	492.9	470.3	439.8	407.7	377.7	355.1	345.6	117.5°	208.4
510.8	509.2	506.6	502.9	488.2	454.5	405.6	359.3	333.0	324.0	322.5	120°	243.0
516.6	513.9	509.7	505.5	486.1	437.1	367.2	323.0	312.5	316.7	324.0	122.5°	276.4
523.9	520.8	515.5	511.3	485.0	414.5	329.8	302.5	306.2	317.7	329.8	125°	310.0
537.1	531.8	526.0	521.8	487.1	386.6	299.8	291.9	303.0	317.7	334.0	127.5°	345.8
556.5	549.2	542.3	535.0	490.3	351.9	282.0	285.1	298.3	314.0	331.9	130°	379.4
580.7	572.3	562.9	551.8	493.9	321.9	272.0	277.7	289.8	303.5	318.2	132.5°	414.4
613.4	601.8	589.7	576.0	499.2	289.3	263.0	269.3	276.7	284.6	291.9	135°	450.4
654.4	638.6	625.5	607.0	504.5	267.2	255.7	257.8	259.3	260.4	259.9	137.5°	481.4
709.1	684.9	669.6	647.0	510.3	255.7	247.2	244.6	242.0	238.3	234.1	140°	509.8
767.0	747.0	722.8	693.8	513.9	247.8	239.3	230.9	223.6	219.9	219.9	142.5°	534.8
834.3	809.6	779.1	742.8	509.2	239.3	228.8	217.8	213.6	218.3	216.7	145°	558.8
901.6	867.4	833.8	792.2	497.6	229.9	217.3	211.5	214.6	208.3	204.6	147.5°	583.8
975.8	937.9	891.1	842.7	480.8	219.9	211.5	214.6	203.6	196.2	199.4	150°	607.6
1058.9	1014.2	963.7	897.9	469.7	213.6	202.5	205.2	195.7	190.4	188.8	152.5°	625.0
1172.0	1108.3	1046.8	969.5	478.2	203.6	185.2	195.7	190.4	185.7	181.5	155°	639.2
1283.0	1215.1	1142.5	1051.5	492.9	196.2	171.5	185.7	189.4	181.5	173.6	157.5°	652.0
1394.5	1322.4	1237.8	1136.2	510.8	191.5	161.0	173.6	186.7	177.3	171.0	160°	662.4
1511.8	1420.8	1334.0	1224.6	533.9	186.7	152.5	163.1	182.0	177.3	167.8	162.5°	670.4
1634.9	1527.6	1440.8	1322.4	574.4	179.9	142.0	154.7	177.3	176.7	164.6	165°	679.6
1778.0	1682.3	1570.7	1450.3	630.7	172.0	132.6	148.3	173.1	174.6	161.0	167.5°	690.4
2021.5	1922.6	1788.0	1673.3	742.2	161.5	126.8	142.0	166.2	170.4	157.8	170°	698.0
2416.6	2281.9	2158.3	2051.0	933.2	146.8	122.6	135.2	158.9	165.2	155.2	172.5°	698.0
2869.5	2738.0	2588.6	2408.2	1039.4	133.1	116.8	126.8	151.5	159.9	152.5	175°	696.0
3062.0	2890.0	2708.5	2494.4	937.9	122.0	110.5	118.9	143.1	152.5	148.9	177.5°	699.6
2973.7	2799.5	2588.6	2378.7	815.9	116.3	106.8	114.7	136.8	147.8	145.2	180°	700.0
2820.1	2644.9	2456.6	2204.6	728.6	113.1	104.2	112.0	134.1	145.2	143.1		
2230.4	2074.1	1900.6	1708.6	496.6	102.6	95.7	104.2	123.6	135.7	135.2		
1182.0	1136.2	1007.9	895.3	257.2	91.5	86.8	95.2	114.1	126.8	126.8		
425.6	386.1	369.3	306.7	136.8	80.0	77.9	84.2	103.6	115.7	115.2		
161.0	156.8	140.5	131.5	86.8	65.2	65.8	72.1	91.0	102.6	102.1		
91.0	82.6	80.0	77.3	55.2	51.6	54.2	60.5	77.9	87.8	89.4		
43.7	40.5	39.5	36.8	36.3	39.5	42.6	47.9	62.1	74.2	72.6		
21.0	20.0	19.5	18.9	25.8	25.2	31.0	33.1	41.6	58.9	53.1		
13.8	13.8	13.3	12.3	14.4	17.4	19.0	21.2	24.4	42.2	35.9		
6.0	6.0	6.0	6.0	6.0	6.0	7.0	7.0	6.0	6.0	6.0		
7.0	7.0	7.0	7.0	7.0	7.0	8.0	7.0	7.0	7.0	7.0		
8.0	8.0	8.0	8.0	8.0	9.0	10.0	12.0	9.0	9.0	8.0		
19.0	19.0	19.0	19.0	19.0	23.0	26.0	29.0	21.0	12.0	10.0		
38.6	38.4	38.2	38.0	39.0	42.0	47.0	50.0	40.0	27.0	18.0		
61.0	61.0	61.0	61.0	61.0	65.0	70.0	72.0	63.0	48.0	36.0		
86.6	86.4	86.2	86.0	87.0	90.0	94.0	95.0	88.0	73.0	58.0		

'226339
 ISW-AF-600-LED-E1-T2-7030-ULG

REPORT NUMBER: P226339
 CATALOG NUMBER: ISW-AF-6I

TION (continued):

CANDELA DISTRIBUTION (con

88°	89°	90°	95°	105°	115°	125°	135°	145°	155°		165°	175°
116.6	116.8	117.0	116.0	119.0	121.0	120.0	114.0	102.0	87.0	0°	503.9	503.9
147.0	147.0	147.0	147.0	149.0	150.0	148.0	143.0	134.0	121.0	2.5°	464.0	456.6
177.6	177.8	178.0	177.0	179.0	182.0	179.0	174.0	168.0	159.0	5°	387.7	386.6
208.6	208.8	209.0	208.0	210.0	215.0	211.0	205.0	202.0	197.0	7.5°	339.8	333.0
243.0	243.0	243.0	243.0	245.0	250.0	246.0	243.0	237.0	233.0	10°	324.0	323.5
276.6	276.8	277.0	276.0	278.0	283.0	279.0	277.0	271.0	267.0	12.5°	330.9	332.5
310.0	310.0	310.0	310.0	310.0	315.0	313.0	310.0	305.0	299.0	15°	339.8	343.0
346.2	346.6	347.0	345.0	346.0	346.0	345.0	340.0	339.0	333.0	17.5°	345.6	351.4
379.6	379.8	380.0	379.0	381.0	381.0	377.0	372.0	370.0	366.0	20°	344.0	350.9
414.6	414.8	415.0	414.0	414.0	416.0	411.0	405.0	404.0	401.0	22.5°	326.7	329.8
450.6	450.8	451.0	450.0	447.0	448.0	443.0	437.0	435.0	432.0	25°	295.6	296.7
481.6	481.8	482.0	481.0	476.0	475.0	473.0	468.0	464.0	460.0	27.5°	258.3	257.2
510.2	510.6	511.0	509.0	504.0	502.0	500.0	497.0	491.0	489.0	30°	232.0	225.1
535.2	535.6	536.0	534.0	533.0	533.0	527.0	525.0	521.0	518.0	32.5°	219.9	215.7
559.2	559.6	560.0	558.0	561.0	562.0	556.0	551.0	550.0	547.0	35°	211.5	204.6
584.2	584.6	585.0	583.0	586.0	585.0	580.0	575.0	574.0	574.0	37.5°	219.4	218.8
608.4	609.2	610.0	606.0	603.0	600.0	597.0	593.0	593.0	593.0	40°	226.7	225.7
626.0	627.0	628.0	623.0	618.0	614.0	611.0	610.0	610.0	609.0	42.5°	214.1	204.6
639.8	640.4	641.0	638.0	636.0	631.0	626.0	628.0	630.0	627.0	45°	190.9	179.9
653.0	654.0	655.0	650.0	650.0	648.0	644.0	645.0	646.0	644.0	47.5°	175.2	168.9
663.6	664.8	666.0	660.0	661.0	664.0	658.0	655.0	655.0	656.0	50°	167.8	165.7
671.6	672.8	674.0	668.0	670.0	671.0	667.0	663.0	661.0	665.0	52.5°	165.7	171.0
680.4	681.2	682.0	678.0	680.0	677.0	672.0	673.0	673.0	676.0	55°	164.6	170.4
691.6	692.8	694.0	688.0	688.0	684.0	678.0	685.0	688.0	686.0	57.5°	157.3	167.3
699.0	700.0	701.0	696.0	694.0	689.0	686.0	691.0	693.0	692.0	60°	152.0	164.1
699.0	700.0	701.0	696.0	694.0	692.0	689.0	690.0	690.0	693.0	62.5°	148.9	162.5
697.0	698.0	699.0	694.0	696.0	695.0	690.0	690.0	691.0	695.0	65°	146.2	163.6
700.4	701.2	702.0	698.0	701.0	699.0	694.0	695.0	697.0	699.0	67.5°	142.0	166.8
700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	69°	139.9	166.2
										70°	137.8	164.6
										72.5°	130.5	152.0
										75°	121.5	134.1
										77.5°	109.9	115.2
										80°	97.3	100.5
										82.5°	84.7	96.8
										85°	66.3	82.1
										87.5°	48.9	45.2
										90°	34.9	25.5
										92.5°	5.0	4.0
										95°	6.0	5.0
										97.5°	8.0	7.0
										100°	9.0	8.0
										102.5°	13.0	11.0
										105°	27.0	22.0
										107.5°	49.0	42.0



REPORT NUMBER: P226339

CATALOG NUMBER: ISW-AF-600-LED-E1-

00-LED-E1-T2-7030-ULG

tinued):

180°
503.9
458.2
383.5
333.5
325.1
331.4
344.0
353.5
352.4
332.5
297.7
261.4
230.4
220.4
207.8
221.5
227.8
206.7
179.9
167.8
164.6
172.5
169.9
167.8
164.6
162.0
161.5
162.5
160.4
157.8
142.0
127.8
115.2
101.5
85.7
64.2
48.9
22.4
4.0
5.0
7.0
8.0
11.0
21.0
41.0

CANDELA DISTRIBUTION (continued):

	165°	175°	180°
110°	74.0	68.0	66.0
112.5°	106.0	99.0	99.0
115°	147.0	139.0	140.0
117.5°	189.0	184.0	184.0
120°	226.0	223.0	225.0
122.5°	261.0	260.0	263.0
125°	296.0	294.0	298.0
127.5°	329.0	329.0	330.0
130°	362.0	361.0	363.0
132.5°	393.0	394.0	396.0
135°	426.0	426.0	429.0
137.5°	459.0	457.0	460.0
140°	487.0	485.0	488.0
142.5°	517.0	515.0	518.0
145°	544.0	546.0	550.0
147.5°	571.0	572.0	575.0
150°	593.0	592.0	595.0
152.5°	608.0	608.0	611.0
155°	625.0	625.0	629.0
157.5°	643.0	643.0	646.0
160°	659.0	660.0	663.0
162.5°	669.0	669.0	673.0
165°	676.0	678.0	681.0
167.5°	684.0	687.0	690.0
170°	692.0	695.0	698.0
172.5°	695.0	697.0	699.0
175°	697.0	698.0	700.0
177.5°	700.0	705.0	707.0
180°	700.0	700.0	700.0

(END OF F

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

