

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: P227070

Luminaire Tested: **ISW-AF-1000-LED-E1-SL4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P227070  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35947)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: ISW-AF-1000-LED-E1-SL4  
Description: IMPACT ELITE LED WEDGE LUMINAIRE  
LIGHT SQUARE WITH ACCULED OPTICS-TYPE IV W/SPILL CONTROL  
Light Source: (16) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5539.1 lumens  
Efficiency: N/A  
Efficacy: 101.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short - Semi-Cutoff  
BUG Rating: B1 - U1 - G2  
  
Input Watts (W): 54.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

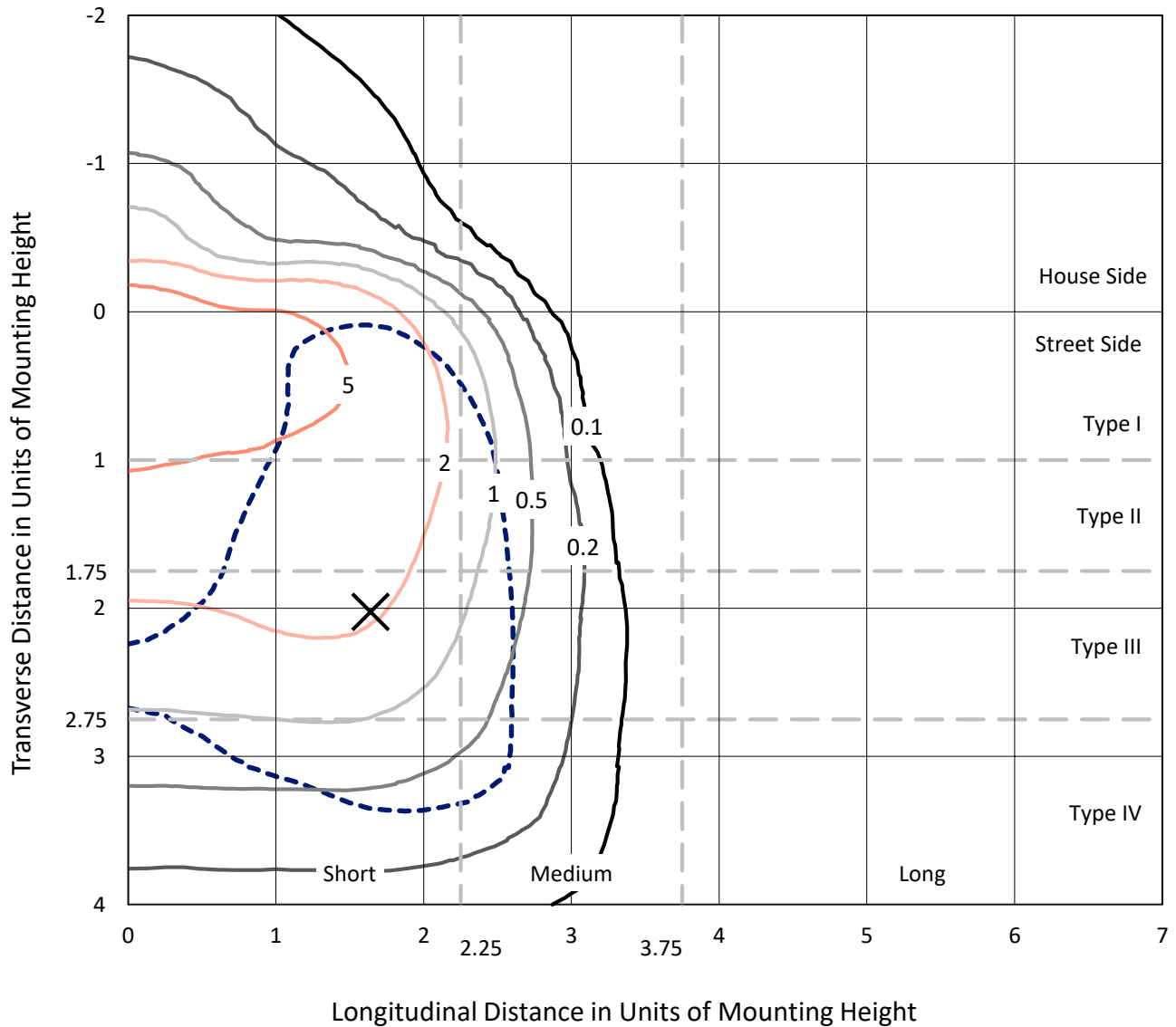


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

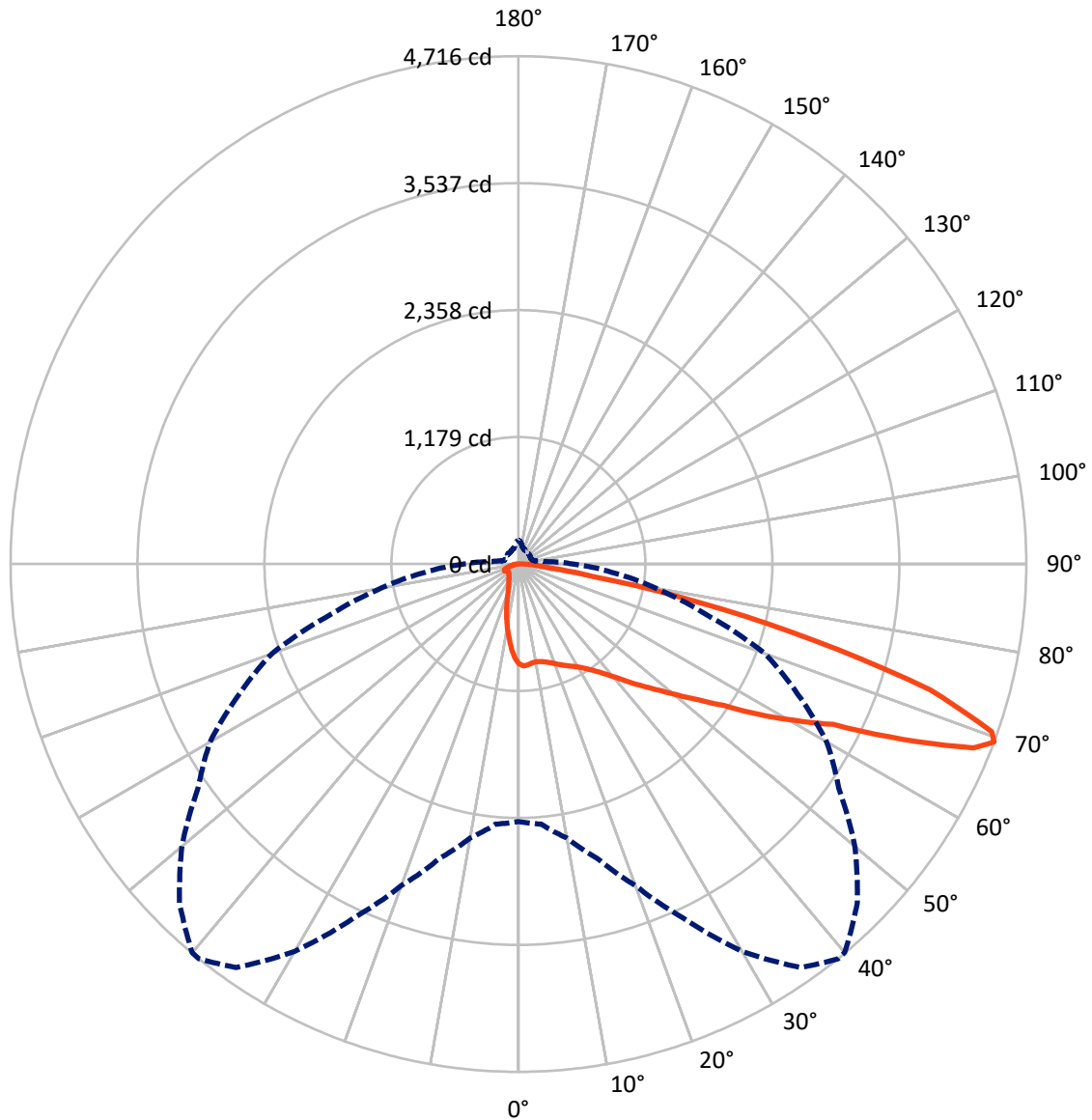


Based on 10 foot mounting height. Maximum calculated value = 9.3 fc  
 Type IV - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 39-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	700.8	0.2	701.0
	% Fixture	12.7	0.0	12.7
<b>Street Side</b>	Lumens	4836.8	1.4	4838.1
	% Fixture	87.3	0.0	87.3
<b>Total</b>	Lumens	5537.6	1.5	5539.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.1	1.4
10°-20°	201.9	3.6
20°-30°	314.3	5.7
30°-40°	475.0	8.6
40°-50°	760.2	13.7
50°-60°	1194.7	21.6
60°-70°	1608.6	29.0
70°-80°	797.9	14.4
80°-90°	104.8	1.9
90°-100°	1.5	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5537.6	100.0
0°-180°	5539.1	100.0



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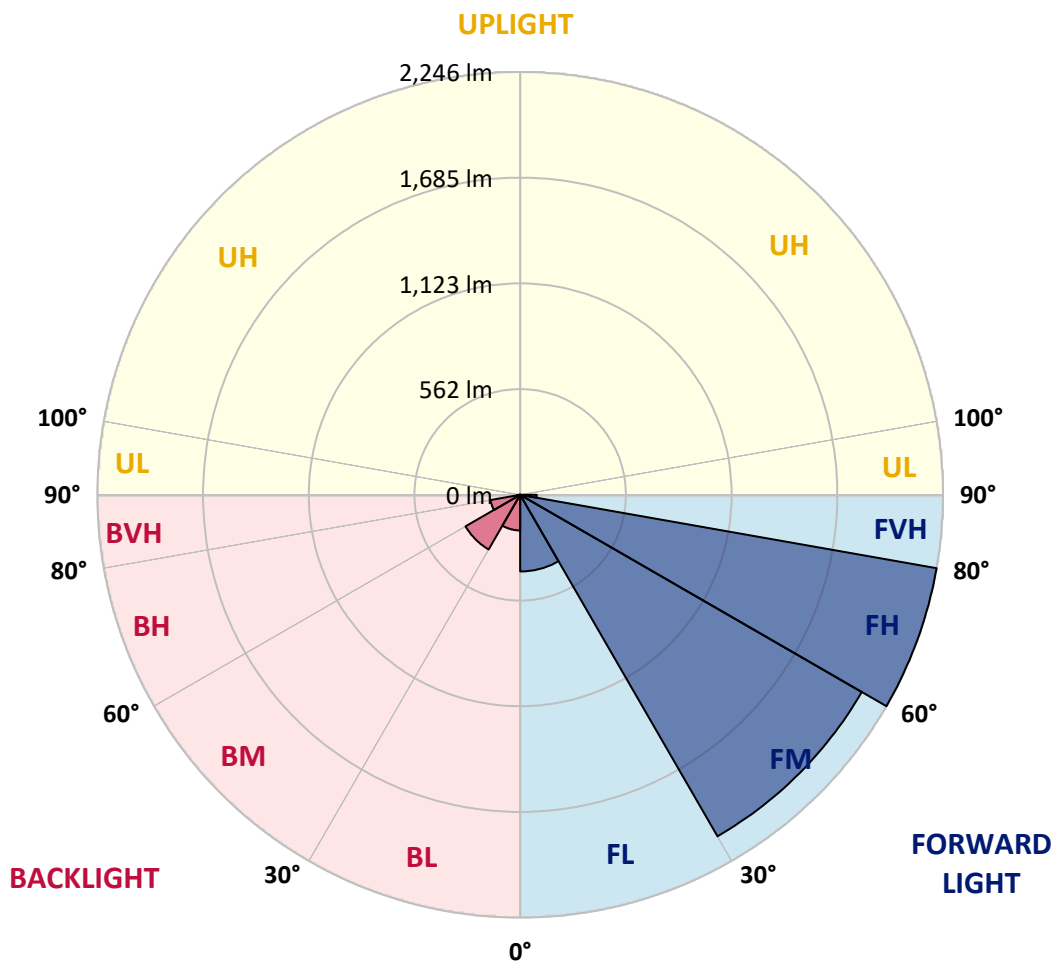
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	407.3	7.4			
FM	(30°-60°)	2095.1	37.8			
FH	(60°-80°)	2246.2	40.6			G2/5000
FVH	(80°-90°)	88.3	1.6			G1/100
BL	(0°-30°)	189.1	3.4	B1/500		
BM	(30°-60°)	334.8	6.0	B1/1000		
BH	(60°-80°)	160.4	2.9	B1/500		G1/500
BVH	(80°-90°)	16.5	0.3			G1/100
UL	(90°-100°)	1.5	0.0		U1/10	
UH	(100°-180°)	0.2	0.0		U1/10	

**BUG Rating: B1-U1-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	39°	40°	45°
0°	927.7	927.7	927.7	927.7	927.7	927.7	927.7	927.7	927.7	927.7	927.7
2.5°	950.2	951.1	951.1	952.1	948.5	948.5	949.3	945.7	947.6	946.6	942.1
5°	952.1	952.9	952.1	952.9	948.5	946.6	943.1	938.6	940.3	939.5	933.1
7.5°	947.6	948.5	946.6	947.6	942.1	938.6	933.1	929.6	926.9	926.0	917.9
10°	937.6	940.3	936.7	939.5	935.0	931.4	928.6	925.1	923.2	922.4	913.4
12.5°	923.2	925.1	926.0	929.6	929.6	930.5	930.5	927.7	928.6	927.7	920.6
15°	909.8	916.1	922.4	926.0	933.1	937.6	941.2	940.3	943.1	942.1	937.6
17.5°	909.8	915.1	926.0	937.6	951.1	957.4	962.8	962.8	963.7	961.9	954.7
20°	913.4	923.2	941.2	961.1	977.2	989.8	993.4	992.5	988.9	988.9	976.3
22.5°	943.1	949.3	969.1	990.7	1013.1	1025.7	1026.6	1024.0	1016.7	1015.0	999.6
25°	985.3	992.5	1010.5	1038.3	1055.4	1065.3	1062.6	1053.6	1046.4	1040.1	1024.0
27.5°	1050.9	1056.3	1074.3	1093.1	1103.0	1106.6	1095.9	1083.3	1075.2	1072.5	1050.9
30°	1118.4	1125.6	1139.9	1151.6	1159.7	1148.9	1131.8	1117.5	1110.2	1108.5	1088.6
32.5°	1201.0	1202.0	1211.8	1214.5	1215.5	1197.5	1174.0	1160.6	1157.9	1154.3	1139.1
35°	1276.5	1281.0	1279.3	1278.4	1270.3	1247.8	1228.1	1220.0	1217.2	1216.3	1203.7
37.5°	1344.0	1351.2	1346.7	1338.6	1328.7	1310.7	1290.0	1281.0	1290.0	1284.6	1287.4
40°	1409.6	1409.6	1404.2	1399.7	1388.0	1371.0	1363.8	1364.6	1379.0	1382.6	1386.2
42.5°	1466.3	1465.4	1460.0	1456.4	1454.5	1451.0	1447.4	1464.5	1492.3	1497.7	1505.8
45°	1528.3	1527.4	1506.7	1513.9	1526.4	1529.2	1541.8	1581.3	1615.4	1618.2	1635.3
47.5°	1588.5	1581.3	1561.5	1568.7	1604.7	1623.5	1644.3	1699.9	1747.6	1757.5	1805.2
50°	1651.5	1644.3	1622.7	1636.2	1686.5	1721.5	1770.1	1847.4	1913.0	1926.5	1988.5
52.5°	1717.0	1716.2	1699.1	1719.8	1781.8	1852.8	1929.2	2016.4	2096.4	2113.5	2205.2
55°	1796.2	1791.7	1784.5	1809.7	1897.8	1993.0	2112.6	2231.3	2318.5	2349.1	2441.7
57.5°	1885.2	1883.4	1884.3	1936.4	2042.5	2187.3	2333.8	2493.7	2637.7	2659.2	2745.5
60°	1962.5	1966.1	1986.8	2068.6	2201.6	2397.6	2603.5	2820.2	2947.7	2970.2	3054.7
62.5°	2056.8	2077.6	2123.4	2226.8	2383.2	2620.6	2887.6	3116.8	3281.3	3327.1	3487.1
65°	2283.4	2299.6	2385.0	2510.0	2709.6	3013.4	3320.0	3653.5	3925.0	3966.3	4103.9
67.5°	2448.8	2490.2	2624.2	2828.3	3116.8	3505.1	3925.9	4329.5	4558.8	4577.6	4481.4
69°	2391.4	2425.5	2583.7	2830.0	3177.9	3630.1	4153.3	4574.9	4716.1	4712.5	4450.9
70°	2303.2	2334.7	2509.1	2748.3	3126.6	3615.7	4157.0	4576.8	4662.2	4629.8	4330.5
72.5°	1929.2	1957.1	2120.7	2370.6	2737.4	3222.9	3732.6	4019.4	4001.4	3974.5	3480.0
75°	1204.6	1202.9	1345.8	1490.5	1775.5	2266.3	2645.8	2875.8	2839.0	2818.3	2234.0
77.5°	450.4	481.8	534.0	689.6	820.8	1086.0	1392.5	1648.8	1719.8	1628.9	1202.9
80°	234.7	251.7	285.9	340.7	392.0	448.6	539.4	694.0	718.3	669.7	485.5
82.5°	185.2	205.8	240.0	286.7	322.7	301.2	284.1	294.0	292.2	278.7	247.2
85°	140.2	164.5	220.2	267.9	319.2	269.6	214.8	187.9	167.3	168.1	178.9
87.5°	70.1	90.8	173.5	233.7	277.8	178.9	140.2	108.7	90.8	87.2	116.8
90°	21.6	21.6	35.1	45.8	62.9	31.5	30.6	23.3	17.1	17.1	27.0
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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	39°	40°	45°
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	927.7	927.7	927.7	927.7	927.7	927.7	927.7	927.7	927.7	927.7	927.7
2.5°	938.6	938.6	936.7	935.9	933.1	929.6	926.9	922.4	919.6	915.1	909.8
5°	926.9	923.2	921.5	917.9	912.5	908.0	902.5	896.3	889.1	880.1	870.2
7.5°	911.6	906.1	899.9	898.0	891.8	886.4	880.1	871.1	861.2	845.1	832.5
10°	905.3	899.9	894.5	890.9	882.8	876.5	869.3	857.6	845.1	823.5	800.0
12.5°	911.6	906.1	900.8	894.5	887.3	880.1	870.2	855.8	838.7	810.9	782.1
15°	926.9	921.5	912.5	906.1	896.3	890.0	876.5	860.3	835.1	801.0	763.2
17.5°	944.0	935.9	927.7	917.9	908.9	900.8	886.4	865.7	834.2	793.8	745.2
20°	960.1	951.1	938.6	931.4	922.4	910.6	895.4	870.2	832.5	779.4	726.4
22.5°	979.0	967.3	953.8	945.7	938.6	928.6	910.6	878.3	832.5	771.3	704.8
25°	1003.3	988.0	974.5	966.4	961.9	954.7	933.1	897.2	838.7	766.8	686.8
27.5°	1032.1	1012.3	1000.5	995.2	994.3	988.9	967.3	922.4	853.1	766.8	669.7
30°	1066.2	1049.1	1033.8	1033.8	1044.6	1041.1	1016.7	961.1	875.6	769.6	657.1
32.5°	1113.9	1096.8	1087.8	1096.8	1108.5	1112.0	1084.2	1015.9	912.5	782.1	644.6
35°	1184.0	1173.2	1166.9	1180.4	1203.7	1212.7	1178.5	1097.6	966.4	806.4	637.4
37.5°	1276.5	1268.5	1260.4	1283.8	1327.8	1345.8	1296.4	1192.0	1043.7	846.8	633.8
40°	1382.6	1383.5	1392.5	1439.3	1481.5	1519.3	1463.5	1335.0	1149.8	904.4	637.4
42.5°	1508.5	1518.4	1549.0	1613.7	1695.5	1725.2	1671.2	1507.6	1282.0	973.6	646.4
45°	1665.0	1691.0	1743.1	1839.4	1938.2	1984.1	1907.7	1725.2	1448.3	1084.2	671.6
47.5°	1831.3	1888.8	1976.9	2093.8	2208.9	2238.5	2144.1	1922.0	1610.9	1182.1	710.2
50°	2044.3	2114.4	2202.5	2342.8	2465.0	2483.0	2358.0	2104.5	1753.0	1267.5	747.1
52.5°	2243.0	2338.3	2450.7	2613.3	2737.4	2714.9	2553.1	2267.3	1865.4	1326.1	767.7
55°	2514.5	2613.3	2740.1	2882.2	3005.3	2951.4	2730.3	2405.7	1955.3	1369.1	774.1
57.5°	2824.6	2900.2	3024.1	3169.8	3250.7	3158.2	2904.7	2540.5	2040.7	1370.0	724.6
60°	3129.4	3217.5	3354.2	3497.1	3542.0	3382.0	3026.0	2561.3	1956.2	1222.6	579.8
62.5°	3580.6	3669.6	3738.9	3762.3	3681.4	3359.5	2884.8	2342.8	1686.5	964.6	410.8
65°	4085.1	3984.3	3850.4	3724.5	3504.2	3015.2	2487.5	1924.8	1309.0	644.6	283.2
67.5°	4217.1	3910.6	3619.3	3338.8	2928.0	2401.2	1876.2	1353.9	839.6	366.8	192.4
69°	4079.6	3631.9	3307.4	2862.4	2438.1	1797.1	1292.7	867.6	501.7	255.3	160.9
70°	3827.9	3362.2	2922.6	2446.2	1888.8	1372.8	859.5	568.1	327.2	186.1	144.7
72.5°	2888.4	2309.5	1780.0	1156.1	704.8	391.1	275.1	196.9	155.5	136.7	124.1
75°	1670.3	1112.0	728.1	388.3	230.2	170.8	149.2	133.1	123.2	118.7	107.9
77.5°	704.8	440.5	298.5	218.5	154.7	132.2	115.1	106.1	105.2	102.5	92.6
80°	320.9	275.1	234.7	164.5	117.7	100.7	88.1	86.3	88.1	85.4	75.5
82.5°	238.2	234.7	196.0	126.7	89.9	67.4	54.8	57.5	64.8	70.1	61.2
85°	198.7	198.7	164.5	94.4	59.3	43.2	42.2	47.7	53.9	58.4	49.4
87.5°	182.5	175.3	94.4	48.6	34.2	27.8	26.1	23.3	23.3	40.4	34.2
90°	18.0	8.1	4.5	3.6	4.5	3.6	5.4	4.5	4.5	4.5	4.5
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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P227070

CATALOG NUMBER: ISW-AF-1000-LED-E1-SL4

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P227070

CATALOG NUMBER: ISW-AF-1000-LED-E1-SL4

**CANDELA DISTRIBUTION (continued):**

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	927.7	927.7	927.7	927.7	927.7	927.7	927.7	927.7	927.7	927.7	927.7
2.5°	905.3	901.7	892.7	890.9	888.2	884.6	883.7	879.2	870.2	868.4	869.3
5°	863.9	849.6	839.6	831.6	825.3	809.1	802.8	795.7	783.1	779.4	774.1
7.5°	815.4	798.3	778.6	764.1	747.1	730.0	716.5	699.4	685.9	677.8	663.5
10°	777.6	754.2	728.1	699.4	677.0	650.9	633.8	614.0	592.4	572.6	558.2
12.5°	748.9	716.5	678.7	644.6	612.2	584.3	553.8	525.9	498.9	472.0	448.6
15°	725.5	685.1	637.4	594.2	554.6	513.3	479.2	440.5	406.3	383.0	353.3
17.5°	700.3	648.1	591.6	541.1	490.0	446.8	403.7	363.1	330.8	300.2	276.0
20°	669.7	606.8	545.6	487.2	428.8	379.4	335.3	296.7	265.3	240.9	222.9
22.5°	635.6	561.9	490.8	427.0	368.6	320.1	278.7	249.9	226.6	213.1	207.7
25°	602.3	517.8	437.8	367.6	309.2	267.9	240.0	215.7	204.1	198.7	198.7
27.5°	571.7	472.9	383.9	315.6	258.9	226.6	205.0	195.1	189.7	189.7	192.4
30°	543.0	427.9	332.7	263.4	218.5	194.2	182.5	178.9	179.8	183.4	187.0
32.5°	509.7	384.7	288.6	226.6	189.7	173.5	164.5	165.4	169.9	176.2	182.5
35°	474.6	338.9	249.9	198.7	169.9	157.3	151.9	152.8	159.2	167.3	173.5
37.5°	443.2	302.1	220.2	177.1	155.5	147.4	142.9	143.8	148.3	158.3	166.3
40°	411.7	270.6	196.0	164.5	147.4	139.3	136.7	135.7	139.3	148.3	158.3
42.5°	384.7	243.7	181.6	155.5	142.1	134.8	131.2	131.2	133.1	140.2	150.2
45°	368.6	227.4	171.8	149.2	137.6	131.2	127.7	125.8	128.6	133.1	142.1
47.5°	368.6	219.3	165.4	144.7	133.9	128.6	124.1	123.2	124.1	128.6	137.6
50°	381.2	221.2	164.5	142.9	132.2	125.0	120.5	120.5	122.2	128.6	135.7
52.5°	392.0	224.7	167.3	144.7	132.2	123.2	117.7	116.8	119.6	125.8	132.2
55°	390.2	224.7	169.9	147.4	134.8	124.1	116.8	116.0	117.7	124.1	130.3
57.5°	348.8	211.2	167.3	149.2	138.4	128.6	121.3	118.7	120.5	125.8	131.2
60°	282.2	187.9	160.0	149.2	143.8	136.7	129.4	127.7	128.6	133.9	140.2
62.5°	221.2	167.3	151.0	148.3	146.5	142.9	140.2	138.4	138.4	142.9	148.3
65°	179.8	151.0	143.8	144.7	146.5	145.7	144.7	143.8	143.8	146.5	151.9
67.5°	150.2	135.7	133.9	136.7	138.4	139.3	140.2	139.3	140.2	142.9	149.2
69°	136.7	127.7	125.8	127.7	131.2	132.2	133.9	133.1	133.9	136.7	142.9
70°	128.6	121.3	119.6	122.2	125.0	125.8	127.7	126.7	127.7	130.3	136.7
72.5°	111.5	103.4	100.7	102.5	105.2	105.2	107.9	108.7	107.0	107.9	112.4
75°	95.3	86.3	81.8	82.8	82.8	82.8	84.5	84.5	82.8	81.8	82.8
77.5°	80.0	70.1	64.8	64.8	64.8	63.8	61.2	62.0	62.9	62.0	62.9
80°	62.9	54.8	49.4	49.4	49.4	47.7	46.7	46.7	48.6	50.3	49.4
82.5°	48.6	40.4	37.7	36.8	36.8	35.1	35.1	36.8	36.0	36.8	38.7
85°	35.1	28.7	26.1	27.0	26.1	24.2	25.2	27.8	27.8	27.0	28.7
87.5°	21.6	18.0	17.1	18.0	16.2	13.5	12.6	13.5	15.2	14.4	16.2
90°	2.7	1.8	1.8	1.8	2.7	1.8	1.8	1.8	2.7	2.7	1.8
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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P227070  
 CATALOG NUMBER: ISW-AF-1000-LED-E1-SL4

REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P227070  
 NUMBER: ISW-AF-1000-LED-E1-SL4

REPORT NUMBER: P  
 CATALOG NUMBER:

**DISTRIBUTION (continued):**

160°	165°	170°	175°	180°
927.7	927.7	927.7	927.7	927.7
863.1	865.7	854.1	859.5	855.8
768.6	764.1	763.2	760.6	755.1
658.1	654.5	643.6	647.2	639.1
543.9	543.0	523.2	524.2	514.2
438.7	422.5	414.4	402.7	409.1
339.8	326.3	309.2	304.7	311.1
256.2	242.7	234.7	227.4	224.7
212.2	204.1	199.6	196.9	195.1
205.0	203.2	202.2	200.5	199.6
200.5	202.2	202.2	202.2	200.5
196.0	199.6	200.5	199.6	197.7
191.5	194.2	194.2	193.2	190.6
185.2	187.9	187.9	187.0	185.2
178.0	179.8	180.7	180.7	181.6
172.6	174.4	176.2	178.0	180.7
166.3	169.0	169.9	173.5	177.1
158.3	161.8	163.6	166.3	169.9
150.2	154.7	155.5	159.2	162.8
146.5	150.2	150.2	152.8	155.5
142.1	143.8	142.9	144.7	145.7
137.6	139.3	138.4	140.2	141.2
133.9	135.7	137.6	139.3	140.2
135.7	138.4	139.3	142.1	142.9
143.8	147.4	151.0	154.7	157.3
151.9	156.4	164.5	180.7	187.0
156.4	162.8	181.6	209.5	217.6
153.7	161.8	184.3	214.0	223.8
148.3	154.7	178.9	209.5	218.5
141.2	147.4	171.8	205.0	213.1
114.2	117.7	144.7	176.2	181.6
83.6	86.3	107.0	119.6	118.7
64.8	68.3	75.5	76.4	75.5
51.2	53.1	56.7	56.7	57.5
39.6	40.4	42.2	40.4	39.6
29.7	28.7	27.8	27.0	26.1
17.1	17.1	14.4	12.6	11.7
1.8	2.7	2.7	1.8	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	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

**CANDELA DISTRIBUTION:**

	160°
110°	0.0
112.5°	0.0
115°	0.0
117.5°	0.0
120°	0.0
122.5°	0.0
125°	0.0
127.5°	0.0
130°	0.0
132.5°	0.0
135°	0.0
137.5°	0.0
140°	0.0
142.5°	0.0
145°	0.0
147.5°	0.0
150°	0.0
152.5°	0.0
155°	0.0
157.5°	0.0
160°	0.0
162.5°	0.0
165°	0.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

