

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: INVUE

Report Number: P180971

Luminaire Tested: **ICM-F02-LED-E1-SLL-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180971  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33681)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ICM-F02-LED-E1-SLL-8030  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT  
Light Source: (14) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3606.8 lumens  
Efficiency: N/A  
Efficacy: 65.6 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G2

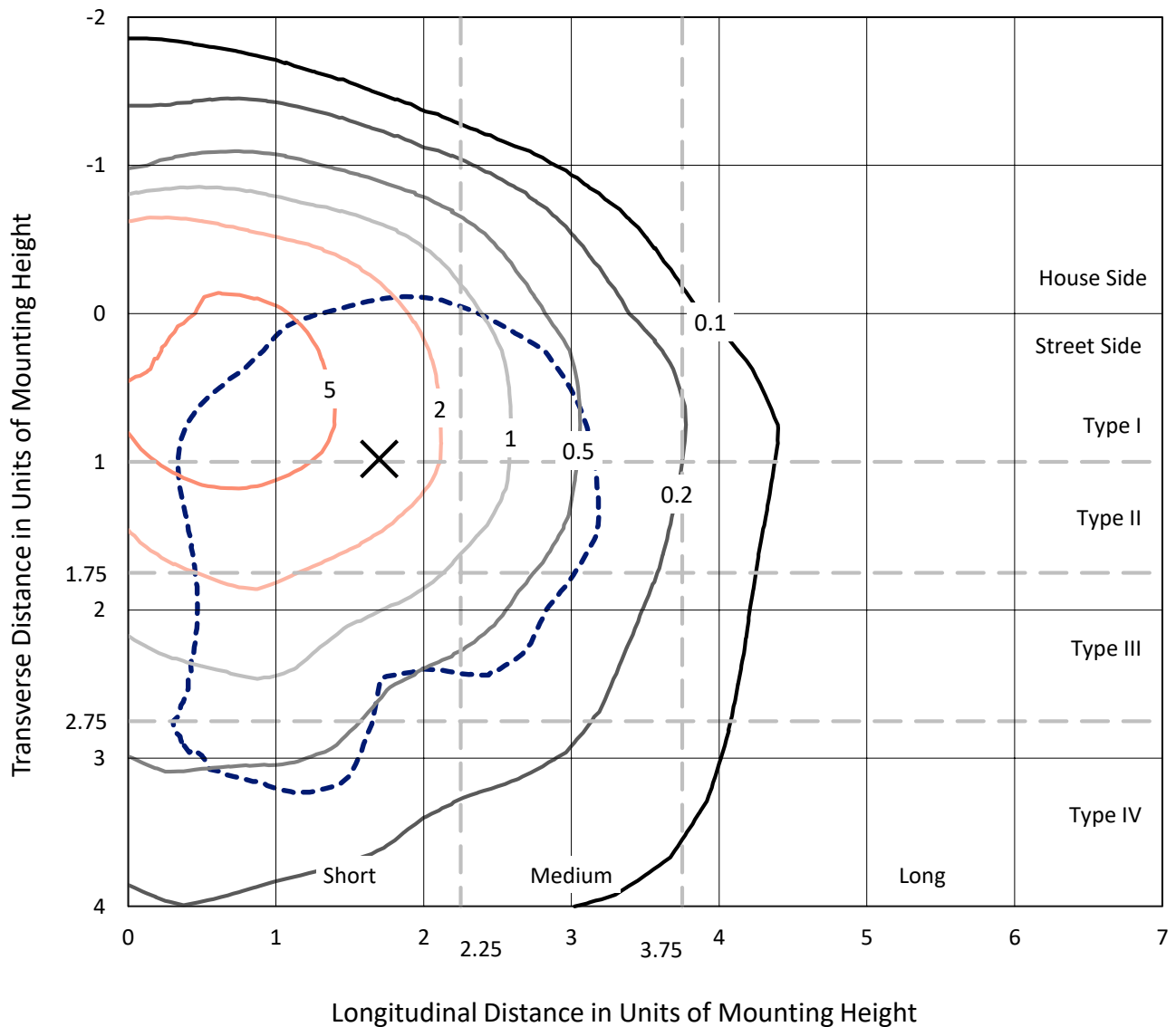
Input Watts (W): 55  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P180971  
 CATALOG NUMBER: ICM-F02-LED-E1-SLL-8030

### Iso-Footcandle Lines of Horizontal Illumination

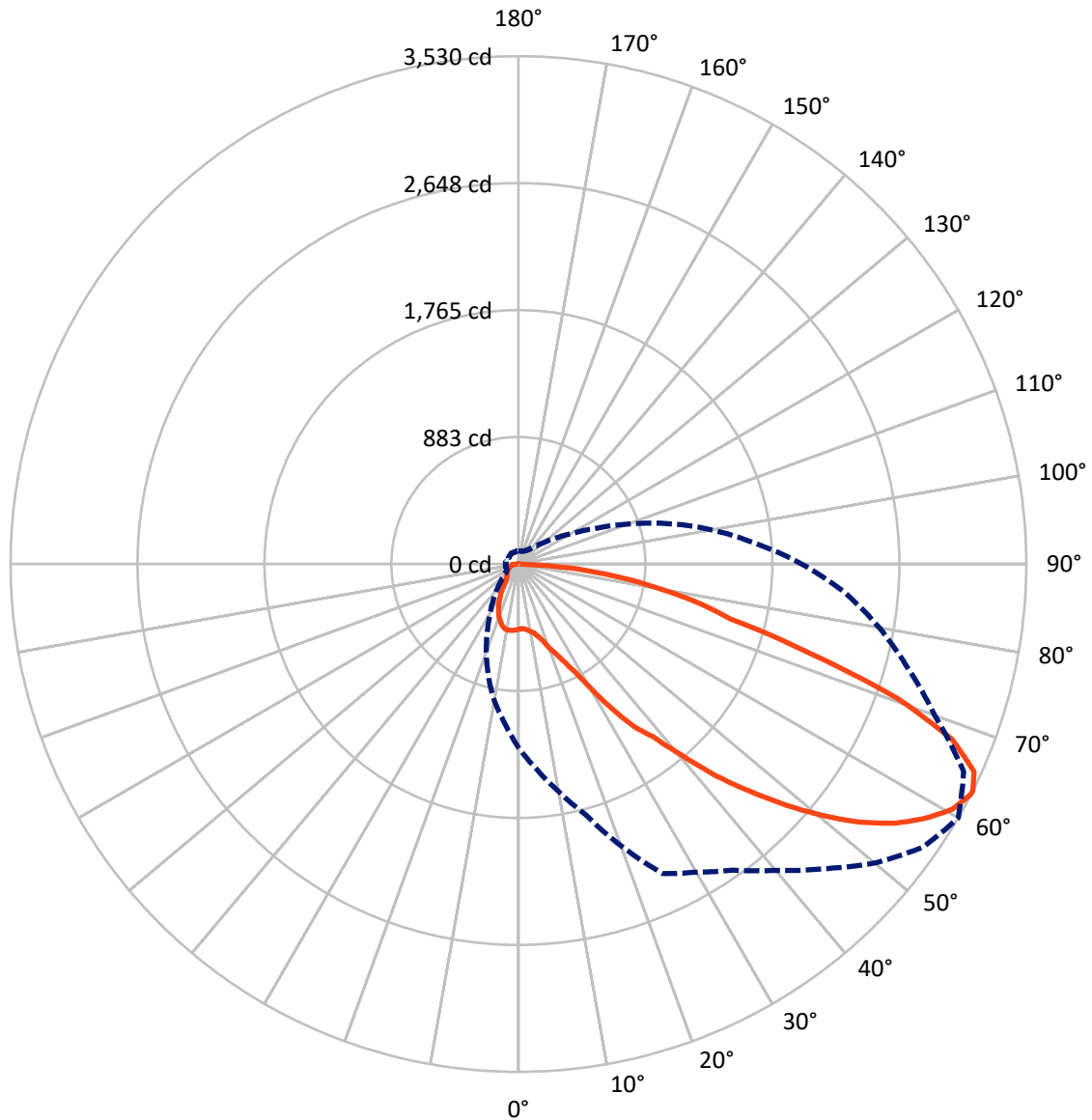
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9 fc  
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P180971  
CATALOG NUMBER: ICM-F02-LED-E1-SLL-8030

### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 63-Deg Vertical

REPORT NUMBER: P180971

CATALOG NUMBER: ICM-F02-LED-E1-SLL-8030

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	782.1	0.0	782.1
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	2824.7	0.0	2824.7
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	3606.8	0.0	3606.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	44.1	1.2
10°-20°	137.4	3.8
20°-30°	244.1	6.8
30°-40°	384.4	10.7
40°-50°	565.8	15.7
50°-60°	751.5	20.8
60°-70°	827.8	23.0
70°-80°	519.3	14.4
80°-90°	132.3	3.7
90°-100°	0.0	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°	3606.8	100.0
0°-180°	3606.8	100.0

**Coefficient of Utilization**



REPORT NUMBER: P180971

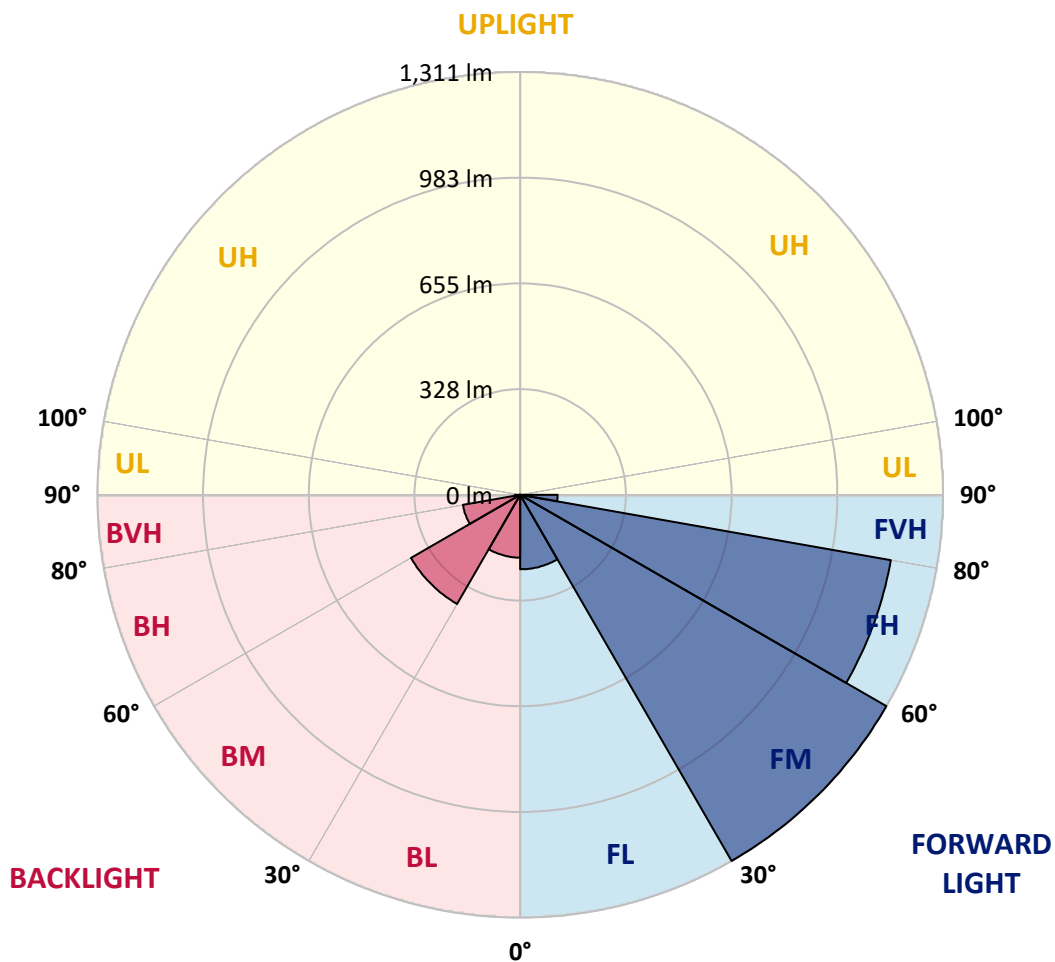
CATALOG NUMBER: ICM-F02-LED-E1-SLL-8030

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	230.9	6.4			
FM	(30°-60°)	1310.8	36.3			
FH	(60°-80°)	1166.9	32.4			G1/1800
FVH	(80°-90°)	116.1	3.2			G2/225
BL	(0°-30°)	194.7	5.4	B1/500		
BM	(30°-60°)	390.9	10.8	B1/1000		
BH	(60°-80°)	180.3	5.0	B1/500		G1/500
BVH	(80°-90°)	16.2	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type IV Short





REPORT NUMBER: P180971

CATALOG NUMBER: ICM-F02-LED-E1-SLL-8030

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	453.3	453.3	453.3	453.3	453.3	453.3	453.3	453.3	453.3	453.3	453.3
2.5°	447.2	448.1	448.1	447.6	447.6	448.5	448.1	447.6	446.3	448.1	448.1
5°	443.7	444.7	444.7	445.5	446.3	447.2	447.2	448.1	447.6	449.4	450.7
7.5°	448.1	448.9	450.7	452.8	454.1	457.1	457.1	459.4	460.2	461.5	461.0
10°	453.7	455.8	459.7	463.2	465.8	469.2	471.8	474.9	474.9	476.2	477.0
12.5°	463.6	465.8	470.1	474.4	478.3	482.6	486.5	489.6	492.6	493.4	495.2
15°	480.0	482.6	489.1	495.2	499.9	505.6	510.7	516.7	522.4	523.7	524.6
17.5°	504.7	509.9	514.6	525.4	532.4	539.6	547.9	556.6	558.2	567.4	569.5
20°	539.6	546.1	550.5	563.9	575.5	585.0	597.1	607.1	611.0	619.6	628.3
22.5°	600.2	598.9	605.4	618.8	627.4	646.4	656.7	667.2	672.3	685.3	692.2
25°	681.4	688.3	702.6	703.9	712.1	734.1	747.5	757.9	758.3	762.2	769.6
27.5°	761.3	789.9	812.3	824.4	846.4	866.8	865.9	880.6	857.7	862.4	869.4
30°	858.1	905.7	948.0	976.5	999.0	1022.7	1034.4	1042.6	1032.7	1028.4	1020.2
32.5°	948.8	1015.4	1080.7	1131.2	1173.1	1212.5	1238.3	1250.1	1263.8	1298.9	1311.4
35°	1011.1	1105.3	1186.5	1259.5	1329.5	1392.2	1437.6	1463.5	1453.5	1448.8	1446.1
37.5°	1048.3	1163.2	1264.8	1368.0	1448.4	1542.1	1612.6	1680.8	1696.4	1669.1	1655.7
40°	1071.5	1207.7	1338.1	1460.0	1564.2	1685.1	1772.4	1874.8	1952.6	1963.0	1931.0
42.5°	1082.8	1237.5	1389.6	1527.5	1668.3	1816.5	1927.1	2051.1	2167.4	2247.3	2227.4
45°	1084.6	1256.9	1427.2	1588.4	1756.0	1931.8	2074.4	2211.8	2367.4	2504.4	2508.3
47.5°	1084.6	1271.6	1453.1	1632.4	1834.6	2032.1	2187.6	2350.2	2540.7	2702.7	2752.4
50°	1085.4	1281.6	1477.3	1667.0	1894.7	2116.8	2292.7	2484.5	2684.9	2861.3	2957.2
52.5°	1089.3	1288.9	1496.3	1691.6	1933.6	2176.4	2374.3	2595.6	2795.2	2976.2	3100.2
55°	1098.0	1299.3	1510.1	1706.7	1959.5	2215.3	2433.5	2671.6	2866.4	3050.1	3223.4
57.5°	1122.1	1317.4	1527.0	1720.1	1973.8	2240.8	2475.0	2704.4	2893.7	3085.1	3288.6
60°	1170.5	1355.9	1555.9	1746.9	1997.5	2287.9	2494.9	2682.4	2873.8	3074.7	3303.3
62.5°	1247.8	1415.9	1596.1	1792.3	2065.4	2360.9	2479.7	2616.8	2795.6	3014.6	3251.0
63°	1274.6	1428.9	1605.2	1802.2	2083.9	2374.3	2473.2	2597.3	2779.6	2995.6	3232.5
65°	1349.4	1486.3	1648.4	1852.4	2160.5	2387.7	2422.7	2496.2	2669.0	2887.2	3122.7
67.5°	1488.9	1626.0	1741.3	1937.0	2224.9	2335.0	2265.9	2274.9	2455.5	2681.5	2893.2
70°	1577.1	1740.5	1800.5	1947.8	2213.1	2256.8	2062.8	1942.6	2087.5	2344.9	2530.3
72.5°	1554.2	1741.8	1735.3	1803.9	1979.8	2020.5	1819.5	1630.2	1716.3	1908.6	2028.7
75°	1331.3	1555.5	1508.0	1494.1	1555.9	1582.7	1431.9	1403.0	1511.5	1618.1	1619.9
77.5°	958.3	1205.1	1149.3	1069.4	1065.1	1126.9	1147.2	1336.8	1497.2	1581.4	1544.3
80°	610.5	878.0	820.1	680.6	678.3	758.7	937.2	1195.2	1364.9	1412.1	1315.3
82.5°	318.9	574.7	596.7	510.7	584.7	717.7	891.8	963.1	1027.5	1034.0	919.9
85°	198.8	353.5	415.6	429.0	528.0	636.5	635.2	610.1	581.6	497.8	450.2
87.5°	22.5	44.5	67.4	63.9	86.0	120.6	150.3	88.2	61.8	22.5	31.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P180971

CATALOG NUMBER: ICM-F02-LED-E1-SLL-8030

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	453.3	453.3	453.3	453.3	453.3	453.3	453.3	453.3	453.3	453.3	453.3
2.5°	448.9	449.4	449.8	449.8	452.0	451.5	452.0	452.8	454.1	455.0	455.8
5°	452.4	452.4	454.1	455.4	458.0	459.7	460.6	463.2	466.2	465.4	467.9
7.5°	463.6	463.2	464.9	465.8	467.9	471.0	470.5	472.7	475.3	476.2	478.3
10°	478.8	477.5	477.5	476.6	477.0	476.2	476.2	476.2	477.9	477.5	479.2
12.5°	494.3	493.9	493.0	490.4	490.4	487.0	485.2	483.1	482.6	479.6	480.0
15°	526.2	526.2	524.6	519.4	515.1	512.0	507.7	504.7	500.4	494.7	491.7
17.5°	572.9	566.9	564.7	563.9	556.9	554.3	544.8	534.9	530.1	522.4	518.0
20°	630.0	628.7	620.0	615.7	607.1	595.0	582.9	570.0	562.1	552.7	547.4
22.5°	694.3	684.8	680.6	674.1	660.7	646.8	628.7	611.4	599.3	592.8	588.9
25°	769.6	760.0	755.7	747.1	730.7	716.0	693.5	673.2	662.4	651.6	645.5
27.5°	869.4	860.3	855.1	832.7	827.0	802.8	775.2	747.5	733.2	717.3	706.9
30°	1018.4	1018.9	992.1	964.8	936.7	894.9	865.9	834.8	811.4	788.6	765.7
32.5°	1270.3	1206.0	1156.3	1098.0	1037.0	992.5	956.7	919.4	887.1	853.8	815.8
35°	1424.2	1393.0	1328.7	1222.0	1160.6	1106.6	1066.8	1021.9	982.1	923.4	865.5
37.5°	1597.9	1525.7	1447.5	1388.3	1318.7	1256.1	1189.5	1138.5	1069.9	990.8	908.7
40°	1851.5	1748.2	1654.1	1574.5	1484.7	1419.0	1344.7	1270.8	1179.6	1065.1	952.3
42.5°	2116.4	2009.6	1885.2	1782.0	1676.1	1599.2	1507.1	1403.5	1269.5	1127.7	989.9
45°	2394.2	2251.6	2102.5	1976.4	1866.2	1770.7	1656.7	1519.2	1355.9	1183.9	1024.9
47.5°	2668.1	2504.4	2326.8	2191.1	2047.6	1931.0	1791.0	1617.3	1423.3	1237.0	1059.9
50°	2909.7	2751.9	2538.1	2365.7	2220.5	2076.6	1902.1	1692.9	1476.5	1282.9	1091.4
52.5°	3118.0	2982.3	2757.1	2539.4	2372.2	2210.5	1991.5	1753.9	1530.1	1325.2	1117.4
55°	3270.9	3180.6	2973.2	2703.2	2505.7	2312.9	2067.1	1812.6	1580.6	1358.9	1134.2
57.5°	3386.3	3336.1	3158.2	2857.4	2628.4	2412.3	2145.3	1883.0	1630.7	1387.8	1142.0
60°	3449.3	3463.2	3298.2	2992.2	2736.9	2495.3	2223.5	1943.1	1667.8	1404.8	1137.7
62.5°	3443.3	3528.0	3403.1	3075.2	2799.9	2544.6	2276.2	1971.2	1662.7	1378.0	1098.3
63°	3431.6	3530.2	3414.8	3080.8	2803.8	2546.2	2277.5	1967.3	1651.8	1364.9	1082.8
65°	3331.0	3480.5	3404.9	3055.3	2769.2	2513.9	2250.3	1911.1	1575.8	1295.4	1002.9
67.5°	3061.3	3248.4	3226.8	2875.1	2605.5	2379.9	2111.2	1730.1	1387.8	1124.3	850.0
70°	2615.8	2791.7	2795.6	2500.5	2275.4	2054.2	1830.7	1407.7	1100.1	871.5	633.9
72.5°	2004.8	2118.1	2157.4	1963.0	1812.2	1656.7	1456.1	1021.9	784.3	592.8	412.7
75°	1552.5	1521.4	1520.9	1438.9	1377.5	1301.4	1081.1	689.6	515.1	385.4	252.4
77.5°	1395.6	1257.4	1123.4	1024.9	975.6	950.1	709.0	415.6	303.7	221.7	145.2
80°	1151.1	947.2	765.2	658.9	616.6	646.0	395.4	224.7	166.3	126.1	94.2
82.5°	793.8	658.9	500.7	414.8	356.0	372.5	202.2	115.0	76.9	70.4	58.3
85°	413.5	362.5	306.0	262.7	232.0	203.9	105.0	54.9	32.0	28.1	25.5
87.5°	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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





REPORT NUMBER: P180971

CATALOG NUMBER: ICM-F02-LED-E1-SLL-8030

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	453.3	453.3	453.3	453.3	453.3	453.3	453.3	453.3	453.3	453.3	453.3
2.5°	457.1	456.7	457.6	458.0	459.4	460.2	460.6	459.7	461.0	462.3	461.5
5°	469.2	472.3	472.7	474.0	474.0	476.6	476.6	476.6	476.2	476.6	475.7
7.5°	479.6	483.5	483.9	485.7	486.1	489.1	487.8	488.7	488.7	486.5	485.7
10°	480.9	484.8	487.0	489.1	492.2	496.0	496.0	498.2	498.2	496.5	496.0
12.5°	481.3	484.4	486.5	489.6	493.9	499.5	502.5	505.6	506.8	506.4	505.1
15°	490.4	490.4	490.9	493.4	496.5	503.4	507.7	511.2	513.3	512.5	510.3
17.5°	514.1	510.7	508.1	503.8	504.7	508.1	510.7	513.8	514.1	513.3	509.9
20°	541.9	537.5	531.1	524.1	520.7	518.0	516.4	516.4	515.1	510.7	505.1
22.5°	581.1	575.5	566.4	556.1	549.2	540.9	531.1	521.5	511.2	500.7	488.7
25°	635.6	627.8	618.3	602.3	587.6	570.3	550.0	528.8	504.3	482.6	464.9
27.5°	690.5	673.2	648.6	626.5	599.3	573.4	544.5	518.5	487.0	461.0	441.6
30°	735.8	703.0	667.5	632.6	596.7	561.7	527.2	496.0	461.5	435.1	416.1
32.5°	770.9	725.5	676.2	630.4	586.3	543.5	503.8	469.2	434.2	407.0	386.7
35°	803.3	740.2	677.5	620.9	566.4	522.0	477.0	439.4	402.2	373.8	351.7
37.5°	827.4	747.1	669.8	603.2	540.6	490.9	445.0	406.6	368.6	337.5	312.4
40°	843.0	742.8	652.8	577.7	509.9	457.6	410.9	371.2	334.4	300.3	270.0
42.5°	855.5	737.1	636.0	554.3	485.7	428.7	380.7	337.9	300.7	263.5	230.3
45°	874.1	741.5	628.7	538.0	464.1	404.0	351.3	306.8	267.9	231.6	199.6
47.5°	892.3	743.6	617.9	517.7	436.8	378.5	324.9	281.7	242.0	208.7	179.3
50°	908.7	742.3	601.0	491.7	410.5	353.0	301.1	258.0	218.6	188.0	160.3
52.5°	916.5	735.0	580.3	466.6	389.3	330.5	277.9	235.9	197.0	168.1	142.6
55°	915.6	716.0	553.0	442.9	366.0	306.8	254.9	213.5	178.4	151.6	129.6
57.5°	902.6	686.6	524.1	416.6	335.3	277.4	228.2	188.0	158.6	136.1	117.5
60°	875.4	649.0	486.1	378.0	296.8	241.1	194.9	160.3	136.6	119.3	107.2
62.5°	824.4	595.0	438.6	324.5	245.0	194.0	153.9	131.3	113.7	103.3	97.7
63°	809.3	580.3	418.2	311.5	232.9	183.2	145.2	121.9	108.9	99.8	94.6
65°	734.1	508.1	350.0	251.4	181.0	141.3	116.7	99.0	91.2	87.3	86.9
67.5°	594.5	399.7	247.6	172.4	123.2	102.0	89.4	82.1	78.6	77.8	78.6
70°	417.4	252.4	157.3	114.5	91.2	82.1	76.5	73.5	71.3	71.7	72.6
72.5°	266.1	151.3	108.0	86.9	76.9	72.2	69.6	68.7	68.3	67.8	67.8
75°	151.6	100.7	83.0	75.2	70.0	66.1	63.9	63.1	63.5	63.9	63.1
77.5°	100.3	83.0	73.9	68.7	63.9	59.6	58.3	57.9	58.8	59.6	59.6
80°	79.1	73.9	68.7	63.5	55.7	52.7	53.6	54.0	53.6	54.0	52.7
82.5°	55.7	54.9	56.2	54.0	46.2	43.6	42.8	43.2	42.3	42.3	41.5
85°	26.0	26.0	27.3	27.3	26.3	26.8	28.9	31.5	32.8	31.5	29.8
87.5°	0.0	0.0	0.0	0.0	0.0	3.9	7.8	11.3	12.1	15.2	14.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P180971

CATALOG NUMBER: ICM-F02-LED-E1-SLL-8030

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	453.3	453.3	453.3	453.3	453.3	453.3	453.3	453.3	453.3	453.3	453.3
2.5°	460.2	461.0	460.6	460.2	461.0	460.2	460.6	460.2	460.2	459.7	459.7
5°	474.9	476.2	473.6	473.1	472.3	470.1	470.1	469.2	469.2	467.5	466.2
7.5°	484.4	484.8	482.6	482.2	480.0	477.9	476.2	474.4	474.0	472.7	470.1
10°	493.4	492.6	490.9	488.7	486.5	483.5	481.3	479.2	478.8	476.6	473.6
12.5°	501.2	500.7	497.3	495.2	491.7	488.7	486.1	483.5	482.2	479.6	475.3
15°	506.4	503.8	499.5	495.6	491.7	488.3	485.2	482.2	480.9	477.9	473.6
17.5°	504.3	499.5	493.9	489.1	483.9	479.6	477.0	474.0	471.8	470.1	464.1
20°	496.5	489.6	480.9	475.3	468.4	462.8	461.0	458.0	456.3	449.8	442.0
22.5°	476.2	466.2	455.4	447.2	439.4	433.8	429.5	426.5	422.1	418.2	406.1
25°	450.7	439.4	428.2	418.2	407.9	399.3	391.4	384.1	382.0	373.8	362.0
27.5°	426.0	413.5	402.2	390.6	377.2	366.4	353.0	342.6	335.7	327.1	316.3
30°	399.7	387.2	372.0	356.5	340.9	329.2	314.1	301.6	292.9	283.9	274.0
32.5°	366.4	351.3	333.1	315.8	301.6	287.8	272.7	260.6	251.9	243.7	234.2
35°	328.4	308.5	289.0	270.0	254.9	243.3	229.9	220.8	214.8	207.4	197.5
37.5°	284.7	262.2	241.6	226.9	213.5	202.2	192.7	187.1	180.7	176.7	170.7
40°	240.7	218.6	198.3	184.9	173.7	167.3	162.0	160.7	156.4	151.3	147.3
42.5°	201.8	180.7	160.7	150.0	142.6	140.8	138.2	138.2	136.1	132.2	129.6
45°	175.4	153.4	136.1	128.4	124.5	124.0	122.7	122.7	122.3	120.6	117.5
47.5°	156.4	136.6	123.2	118.4	117.5	116.7	115.3	115.0	114.5	113.2	111.4
50°	139.2	122.3	113.7	111.4	111.9	110.6	109.3	108.0	107.6	106.3	104.6
52.5°	123.2	111.1	105.4	104.1	104.1	104.1	103.3	103.3	102.4	102.0	100.3
55°	114.0	105.0	102.0	101.6	101.1	100.7	99.8	99.8	99.0	98.5	96.4
57.5°	106.3	100.7	99.0	98.0	97.7	96.7	96.4	96.4	96.4	96.4	93.8
60°	100.3	97.7	97.2	96.4	95.9	94.2	93.3	92.9	93.3	93.8	91.2
62.5°	93.8	93.3	92.9	92.0	91.6	89.9	88.6	87.7	88.6	89.4	89.0
63°	92.0	91.6	91.6	91.2	90.7	88.6	87.3	86.4	87.3	88.2	88.2
65°	86.0	86.4	86.4	86.0	85.6	84.3	82.5	81.7	82.1	83.3	83.8
67.5°	79.5	79.9	79.5	79.9	79.5	78.6	77.3	76.5	76.1	76.5	76.9
70°	73.5	74.3	73.9	73.5	73.0	73.0	72.2	70.9	70.4	70.0	70.0
72.5°	68.3	68.3	67.4	67.4	67.0	67.0	66.1	64.8	64.4	64.4	63.5
75°	62.7	62.7	61.4	61.4	60.5	60.9	60.1	58.8	58.3	58.3	57.9
77.5°	59.2	57.9	55.7	55.3	54.9	54.9	54.4	53.1	52.7	52.7	52.3
80°	52.3	49.7	47.5	47.1	47.5	48.4	48.4	47.5	47.5	47.5	47.5
82.5°	40.7	39.7	38.4	37.6	37.6	38.9	40.7	41.5	42.3	43.2	43.2
85°	29.8	30.2	29.8	28.6	28.1	29.4	31.1	32.8	33.3	35.0	34.6
87.5°	16.0	16.5	15.2	14.7	16.0	16.8	18.6	19.0	19.9	20.3	20.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P180971

CATALOG NUMBER: ICM-F02-LED-E1-SLL-8030

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	453.3	453.3	453.3	453.3	453.3	453.3	453.3	453.3	453.3	453.3	453.3
2.5°	459.4	458.9	459.4	458.4	458.4	457.6	456.7	456.3	455.4	455.0	454.1
5°	467.1	465.8	464.5	464.1	462.3	460.6	459.4	457.1	455.4	452.4	451.5
7.5°	472.3	469.2	467.5	467.1	464.5	463.2	460.2	457.6	455.0	451.1	449.8
10°	474.4	471.4	468.4	467.1	464.1	461.9	458.9	455.0	452.8	448.9	448.1
12.5°	477.0	471.4	466.6	463.2	458.9	454.1	451.1	448.9	446.0	443.7	442.9
15°	472.3	464.9	457.6	451.1	444.2	439.0	436.0	432.6	429.0	427.7	427.7
17.5°	459.4	449.8	437.3	429.0	421.7	416.1	412.2	408.7	408.3	406.6	407.4
20°	432.6	420.0	407.9	401.9	397.5	394.0	390.1	388.5	387.2	384.6	383.7
22.5°	395.4	385.0	376.4	372.0	368.6	364.3	360.7	355.6	354.3	351.7	350.4
25°	354.3	346.1	338.8	335.7	333.6	327.5	325.4	318.4	313.7	310.7	312.4
27.5°	313.3	307.3	300.3	296.4	295.1	289.5	287.4	279.5	275.6	275.6	271.4
30°	270.9	265.3	261.0	256.7	255.8	248.8	243.3	240.3	235.9	234.2	231.2
32.5°	231.2	225.6	222.0	219.9	216.5	210.9	205.2	200.1	193.1	190.5	189.2
35°	194.4	190.1	185.8	184.1	179.3	173.3	166.3	162.0	153.9	150.8	149.5
37.5°	166.3	161.2	158.1	153.4	148.7	142.1	136.9	133.1	130.0	128.7	128.7
40°	143.9	140.0	136.6	132.7	128.7	125.3	122.7	121.9	121.4	121.4	122.3
42.5°	127.1	123.5	121.9	119.7	118.4	118.4	118.0	118.4	118.8	119.3	120.6
45°	115.8	113.7	112.7	112.4	113.2	114.0	114.5	115.3	117.1	118.0	118.4
47.5°	109.8	108.0	107.6	108.0	109.3	111.1	112.7	114.0	115.3	115.8	116.2
50°	103.7	101.6	100.7	101.6	103.3	105.9	107.2	109.3	110.1	111.1	110.1
52.5°	98.5	96.7	96.4	96.4	98.0	99.8	101.6	103.3	103.7	103.7	103.3
55°	94.2	92.9	91.6	92.5	93.8	95.5	98.0	99.3	100.3	100.7	100.7
57.5°	90.7	89.4	88.2	89.0	90.3	92.0	94.6	95.9	96.7	98.0	98.5
60°	88.2	86.4	85.1	86.4	87.7	90.3	92.5	93.8	95.9	96.4	96.4
62.5°	85.6	83.8	81.7	83.0	83.0	84.3	86.4	88.2	90.3	91.2	91.2
63°	85.1	83.3	81.2	82.1	82.1	83.0	84.7	86.4	89.0	89.9	89.4
65°	81.7	81.2	79.1	79.1	78.2	79.1	80.4	82.1	83.3	84.7	84.7
67.5°	76.1	75.6	75.2	75.2	75.2	76.1	76.9	78.2	79.5	80.4	79.9
70°	69.6	69.6	69.6	70.0	70.0	70.9	71.3	70.9	72.2	73.0	72.6
72.5°	63.9	63.5	63.1	63.9	63.5	63.5	64.4	63.9	65.2	65.2	65.7
75°	57.9	57.5	57.5	57.9	57.0	56.2	56.6	56.6	57.0	57.0	57.9
77.5°	52.7	52.7	52.7	52.3	51.4	51.0	50.5	50.5	50.5	50.5	51.0
80°	48.0	48.0	48.0	47.5	46.7	45.8	44.9	44.5	44.1	42.0	42.0
82.5°	43.2	43.2	43.2	43.2	42.8	42.0	40.7	37.1	35.4	33.7	34.1
85°	34.1	35.0	35.9	37.1	36.7	36.7	34.1	29.8	27.3	25.5	26.0
87.5°	22.0	19.4	19.4	19.0	18.1	17.3	17.3	14.7	12.1	10.8	11.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P180971  
 CATALOG NUMBER: ICM-F02-LED-E1-SLL-8030

REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	453.3	453.3	453.3	453.3	453.3	453.3	453.3	453.3	453.3	453.3	453.3	0°
2.5°	454.1	453.3	452.4	452.4	451.1	451.1	450.2	452.0	450.2	448.9	448.9	2.5°
5°	450.7	449.8	447.2	446.8	445.0	445.0	445.0	444.2	444.2	443.4	442.9	5°
7.5°	448.5	446.3	444.2	442.9	442.9	442.0	443.7	442.9	443.4	443.4	443.7	7.5°
10°	446.8	445.0	444.2	443.7	443.7	445.0	446.3	446.8	446.3	446.8	446.8	10°
12.5°	442.4	443.4	443.7	445.5	447.6	450.2	453.3	453.7	454.5	454.5	455.4	12.5°
15°	428.7	430.8	433.4	437.7	443.4	448.9	454.5	459.4	463.6	465.8	467.5	15°
17.5°	409.2	411.4	416.1	420.8	428.2	436.4	446.0	454.1	463.2	471.4	479.6	17.5°
20°	382.8	386.3	387.5	396.2	404.8	416.1	427.4	440.3	455.8	471.4	487.4	20°
22.5°	348.7	352.6	358.6	365.6	374.6	388.5	401.9	422.1	442.9	464.9	490.0	22.5°
25°	310.7	315.0	320.2	327.5	336.6	351.3	370.7	392.4	417.9	446.8	477.9	25°
27.5°	271.4	275.6	280.0	285.2	295.5	311.1	334.0	356.5	384.6	416.1	452.4	27.5°
30°	232.0	232.5	235.1	241.6	252.4	272.7	289.5	317.6	347.0	380.3	422.1	30°
32.5°	188.8	188.4	191.4	197.0	207.4	226.9	247.6	274.8	303.7	345.7	388.8	32.5°
35°	150.3	150.3	156.0	161.6	173.3	187.1	205.2	229.4	263.5	302.4	345.7	35°
37.5°	130.0	133.1	136.6	142.1	151.3	162.0	178.0	199.2	226.0	263.2	302.9	37.5°
40°	123.5	125.3	128.4	133.5	141.3	151.3	162.9	178.9	199.6	229.4	265.8	40°
42.5°	121.0	121.4	123.2	127.1	134.0	143.9	156.0	170.2	185.8	207.0	238.5	42.5°
45°	118.4	118.0	118.8	121.9	127.4	138.7	152.6	168.1	183.6	201.4	227.3	45°
47.5°	116.2	116.2	116.2	117.5	122.7	134.0	150.0	168.1	186.7	206.5	232.0	47.5°
50°	110.1	109.8	109.8	110.6	114.5	126.6	145.6	167.6	191.8	217.8	246.7	50°
52.5°	103.3	103.3	103.7	104.1	107.6	119.7	140.8	167.6	197.9	232.5	268.7	52.5°
55°	101.1	101.6	102.0	101.6	104.1	114.5	135.6	165.0	200.5	244.1	292.6	55°
57.5°	99.3	100.3	100.3	99.8	101.6	110.1	130.5	159.9	198.3	248.5	309.4	57.5°
60°	96.7	96.7	96.7	95.5	96.4	104.1	122.7	151.6	191.4	244.6	312.0	60°
62.5°	91.2	91.2	90.3	89.9	89.4	95.5	112.4	139.5	178.9	234.2	305.5	62.5°
63°	89.9	89.4	89.4	88.2	88.2	93.8	110.1	137.9	175.4	231.6	302.9	63°
65°	85.1	85.1	85.1	84.3	83.8	88.2	101.6	125.8	162.0	219.5	290.0	65°
67.5°	79.9	80.4	79.5	79.1	78.6	81.2	91.6	110.6	141.3	194.0	265.8	67.5°
70°	72.6	73.0	73.0	72.6	72.2	73.9	80.4	95.1	117.1	161.6	226.4	70°
72.5°	66.1	67.0	67.0	67.8	67.8	69.1	71.7	79.1	93.8	126.1	178.0	72.5°
75°	59.2	59.6	60.5	61.4	60.5	60.1	60.5	66.1	73.5	93.3	127.1	75°
77.5°	53.1	54.4	54.4	54.0	52.7	51.8	51.8	54.4	60.5	70.9	90.7	77.5°
80°	44.1	46.2	46.7	45.4	44.1	44.1	44.9	46.7	50.5	58.3	68.7	80°
82.5°	35.4	37.6	38.0	38.4	38.0	39.3	39.3	39.7	42.0	48.0	56.2	82.5°
85°	27.3	28.9	30.2	30.7	31.1	31.5	31.1	28.9	30.2	34.1	38.0	85°
87.5°	12.1	12.6	11.6	12.1	11.6	12.1	12.6	10.3	10.0	13.4	13.9	87.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90°



NUMBER: P180971

NUMBER: ICM-F02-LED-E1-SLL-8030

**DISTRIBUTION (continued):**

330°	335°	340°	345°	350°	355°	360°
453.3	453.3	453.3	453.3	453.3	453.3	453.3
448.5	448.5	448.9	448.1	448.1	448.5	447.2
441.6	443.4	443.4	443.4	442.4	443.4	443.7
443.4	444.7	445.5	445.5	445.0	446.8	448.1
445.5	447.6	448.5	448.5	448.5	450.7	453.7
453.7	455.4	456.7	456.7	457.6	460.2	463.6
468.8	471.0	471.0	470.5	473.1	476.2	480.0
485.7	491.7	494.7	494.3	496.5	500.4	504.7
501.7	518.5	525.9	531.1	533.2	538.4	539.6
515.1	543.2	563.4	580.7	588.9	594.1	600.2
510.3	548.3	584.7	620.0	645.1	670.6	681.4
490.9	538.4	585.9	637.8	683.2	728.5	761.3
467.1	524.1	588.1	661.5	733.2	802.8	858.1
439.9	510.7	592.8	683.5	777.8	868.9	948.8
405.8	485.2	581.1	685.7	796.7	907.4	1011.1
362.5	450.7	554.0	670.1	797.6	924.2	1048.3
319.4	407.0	519.4	647.7	786.4	928.1	1071.5
289.0	368.1	484.4	619.2	768.3	922.1	1082.8
268.3	340.1	453.3	593.2	748.8	911.3	1084.6
266.6	327.9	432.9	574.2	733.2	901.8	1084.6
281.3	334.4	426.0	564.7	726.8	898.7	1085.4
308.9	360.4	438.6	572.1	731.9	902.6	1089.3
342.2	399.7	472.3	597.6	754.0	915.6	1098.0
372.5	445.0	529.8	646.8	794.1	948.5	1122.1
390.1	483.9	590.7	716.0	862.9	1013.7	1170.5
392.4	505.6	644.7	791.2	946.2	1088.5	1247.8
390.6	507.3	651.6	805.4	964.0	1107.0	1274.6
381.1	507.7	671.1	855.5	1025.3	1185.2	1349.4
356.9	493.9	678.0	894.9	1102.7	1288.0	1488.9
315.0	454.5	657.7	895.7	1132.5	1345.5	1577.1
253.2	379.8	570.0	814.9	1053.9	1288.9	1554.2
185.4	279.2	430.8	631.3	859.8	1072.8	1331.3
123.2	180.7	290.3	449.8	616.6	772.1	958.3
84.7	111.9	169.8	270.5	377.2	452.8	610.5
62.2	73.9	94.2	138.2	181.5	223.4	318.9
38.9	42.3	47.1	68.3	97.7	131.8	198.8
10.3	10.8	10.0	13.4	21.2	20.3	22.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)