

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: P180972

Luminaire Tested: **ICM-F02-LED-E1-SLL-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180972
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-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (14) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3903.2 lumens
Efficiency: N/A
Efficacy: 71.0 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

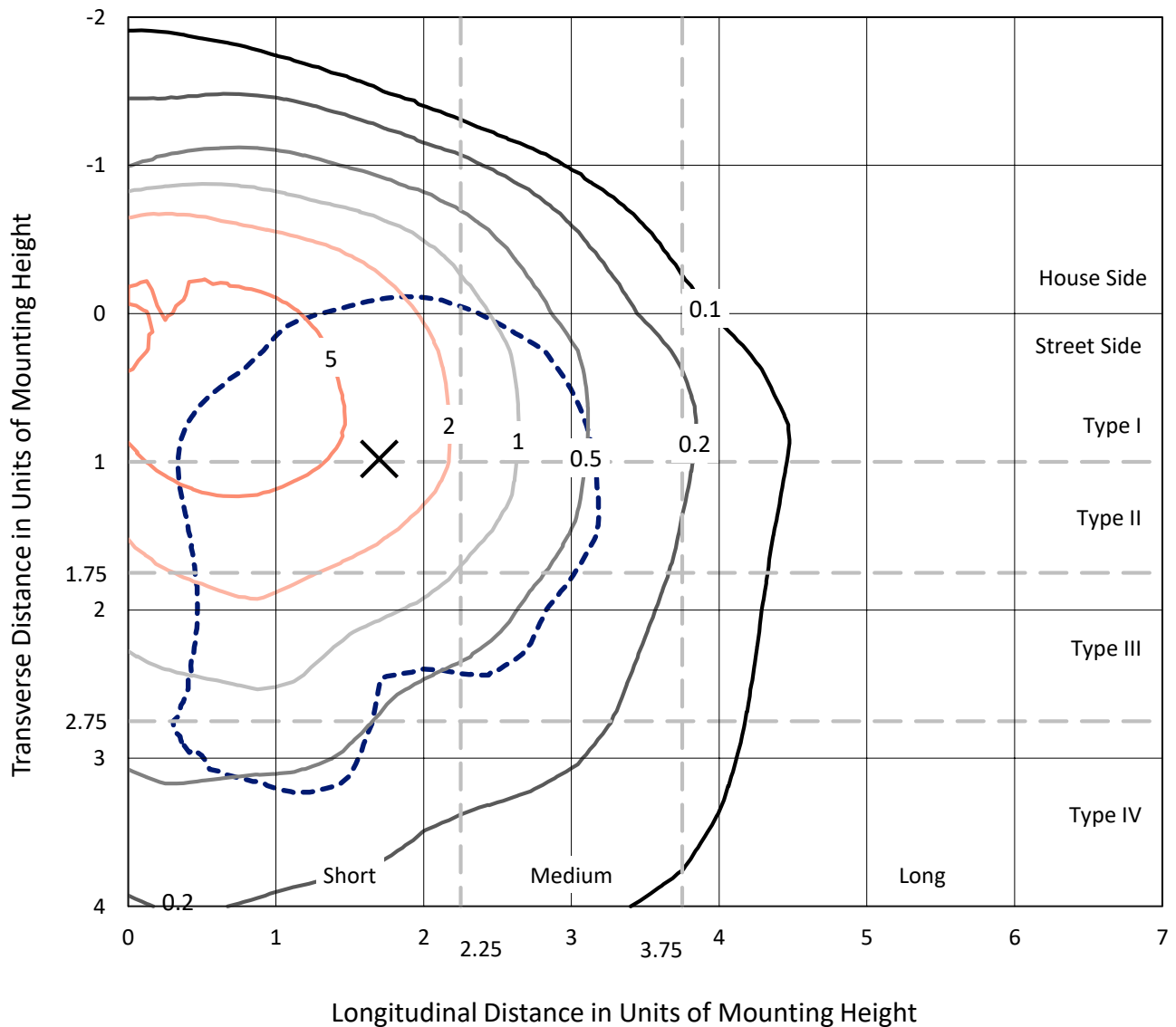
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P180972
 CATALOG NUMBER: ICM-F02-LED-E1-SLL-7030

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

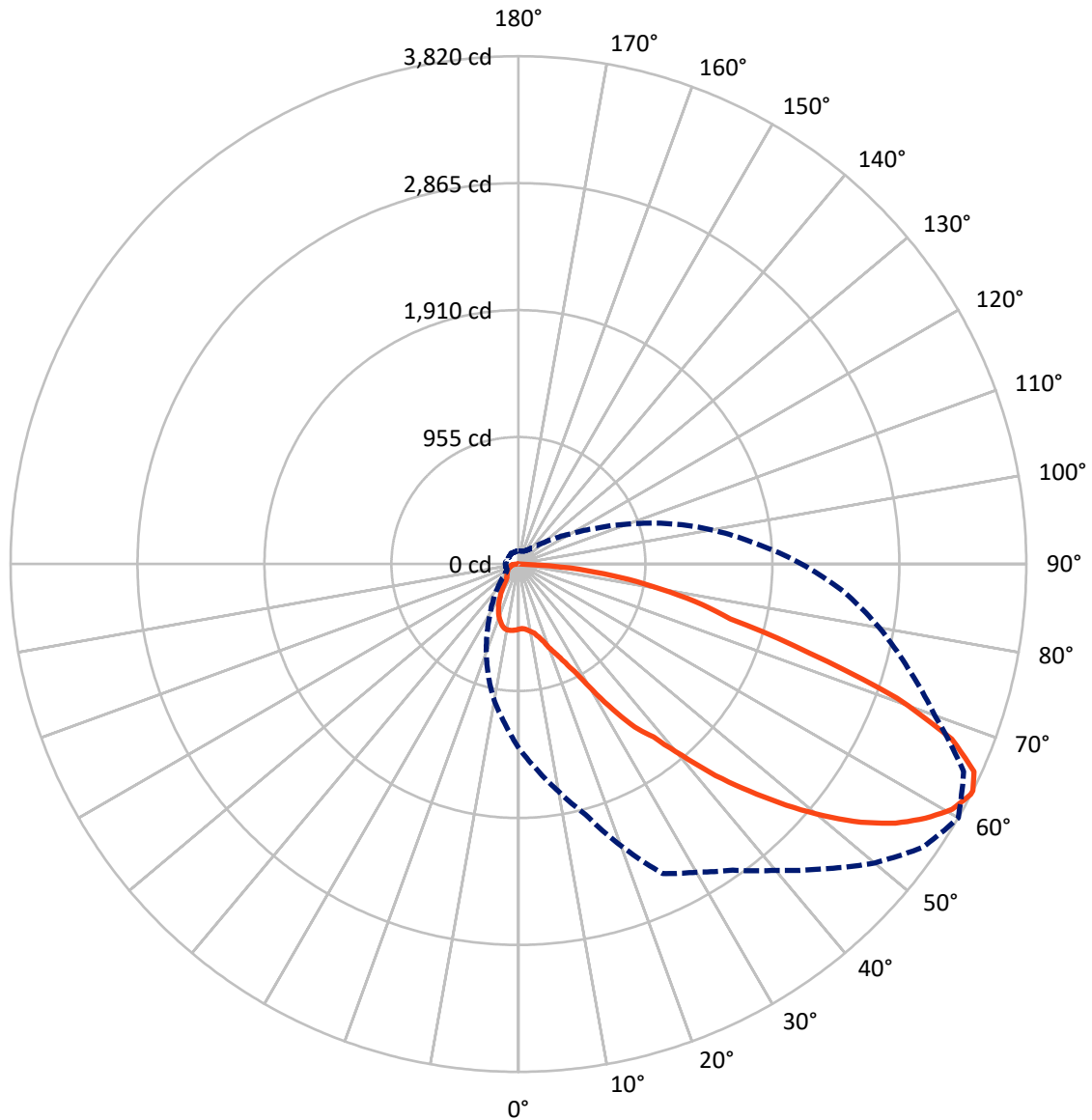


Based on 10 foot mounting height. Maximum calculated value = 9.7 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P180972

CATALOG NUMBER: ICM-F02-LED-E1-SLL-7030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P180972

CATALOG NUMBER: ICM-F02-LED-E1-SLL-7030

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	846.4	0.0	846.4
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	3056.8	0.0	3056.8
	% Fixture	78.3	0.0	78.3
Total	Lumens	3903.2	0.0	3903.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.7	1.2
10°-20°	148.7	3.8
20°-30°	264.2	6.8
30°-40°	416.0	10.7
40°-50°	612.3	15.7
50°-60°	813.3	20.8
60°-70°	895.8	23.0
70°-80°	562.0	14.4
80°-90°	143.2	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°	3903.2	100.0
0°-180°	3903.2	100.0

Coefficient of Utilization



REPORT NUMBER: P180972

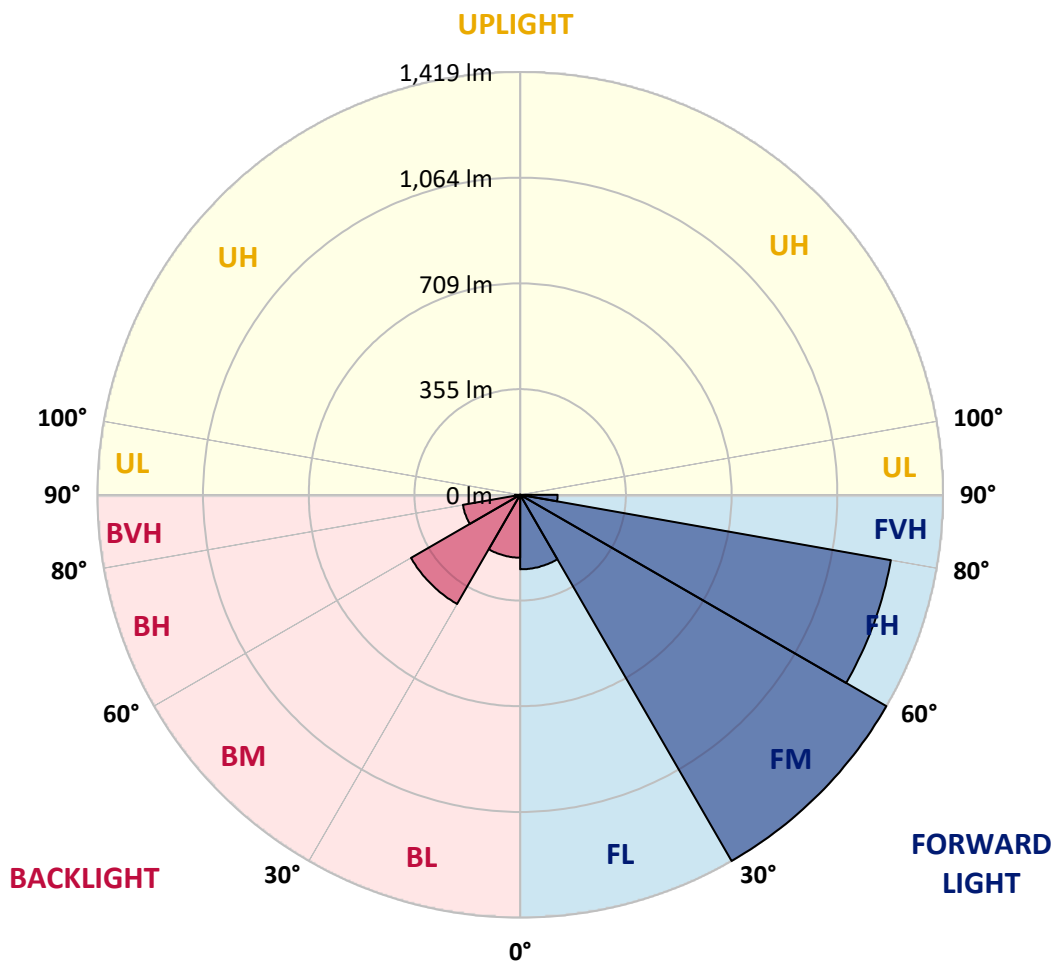
CATALOG NUMBER: ICM-F02-LED-E1-SLL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	249.9	6.4			
FM	(30°-60°)	1418.5	36.3			
FH	(60°-80°)	1262.7	32.4			G1/1800
FVH	(80°-90°)	125.6	3.2			G2/225
BL	(0°-30°)	210.7	5.4	B1/500		
BM	(30°-60°)	423.0	10.8	B1/1000		
BH	(60°-80°)	195.1	5.0	B1/500		G1/500
BVH	(80°-90°)	17.5	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: P180972

CATALOG NUMBER: ICM-F02-LED-E1-SLL-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	490.5	490.5	490.5	490.5	490.5	490.5	490.5	490.5	490.5	490.5	490.5
2.5°	484.0	484.9	484.9	484.5	484.5	485.4	484.9	484.5	483.1	484.9	484.9
5°	480.2	481.1	481.1	482.0	483.1	484.0	484.0	484.9	484.5	486.3	487.7
7.5°	484.9	485.9	487.7	490.0	491.4	494.7	494.7	497.0	498.0	499.4	498.9
10°	491.0	493.3	497.5	501.3	504.1	507.8	510.6	513.9	513.9	515.3	516.2
12.5°	501.8	504.1	508.7	513.4	517.6	522.3	526.5	529.8	533.0	534.0	535.9
15°	519.5	522.3	529.3	535.9	541.0	547.1	552.7	559.3	565.3	566.7	567.6
17.5°	546.1	551.7	556.9	568.6	576.1	584.0	592.9	602.2	604.1	614.0	616.3
20°	584.0	591.1	595.7	610.2	622.8	633.1	646.2	656.9	661.2	670.5	679.9
22.5°	649.5	648.1	655.1	669.6	679.0	699.5	710.7	722.0	727.5	741.6	749.1
25°	737.4	744.8	760.3	761.7	770.6	794.4	808.9	820.2	820.7	824.8	832.7
27.5°	823.9	854.8	879.1	892.2	916.0	938.0	937.0	952.9	928.2	933.3	940.8
30°	928.7	980.1	1025.9	1056.8	1081.1	1106.8	1119.4	1128.3	1117.6	1112.8	1104.0
32.5°	1026.8	1098.9	1169.5	1224.2	1269.5	1312.1	1340.1	1352.8	1367.7	1405.6	1419.2
35°	1094.1	1196.1	1284.0	1363.1	1438.8	1506.6	1555.7	1583.7	1573.0	1567.8	1565.0
37.5°	1134.4	1258.8	1368.7	1480.4	1567.4	1668.8	1745.0	1819.0	1835.8	1806.3	1791.8
40°	1159.6	1306.9	1448.1	1580.0	1692.7	1823.6	1918.1	2028.9	2113.0	2124.3	2089.7
42.5°	1171.8	1339.2	1503.8	1652.9	1805.4	1965.8	2085.5	2219.6	2345.5	2431.9	2410.4
45°	1173.7	1360.2	1544.5	1718.9	1900.3	2090.6	2244.9	2393.6	2562.0	2710.2	2714.4
47.5°	1173.7	1376.1	1572.6	1766.6	1985.4	2199.1	2367.5	2543.3	2749.5	2924.9	2978.6
50°	1174.6	1386.9	1598.7	1804.0	2050.4	2290.7	2481.0	2688.7	2905.6	3096.4	3200.2
52.5°	1178.8	1394.8	1619.3	1830.6	2092.5	2355.3	2569.4	2808.9	3024.9	3220.8	3355.0
55°	1188.2	1406.1	1634.2	1847.0	2120.6	2397.3	2633.5	2891.2	3102.1	3300.8	3488.3
57.5°	1214.3	1425.7	1652.5	1861.5	2136.0	2424.9	2678.3	2926.7	3131.5	3338.6	3558.9
60°	1266.7	1467.4	1683.8	1890.5	2161.7	2475.9	2699.9	2902.8	3110.0	3327.4	3574.8
62.5°	1350.4	1532.3	1727.3	1939.5	2235.1	2554.9	2683.6	2831.7	3025.3	3262.4	3518.2
63°	1379.5	1546.3	1737.1	1950.3	2255.2	2569.4	2676.5	2810.7	3008.0	3241.9	3498.1
65°	1460.3	1608.6	1783.9	2004.6	2338.0	2583.9	2621.8	2701.3	2888.3	3124.5	3379.3
67.5°	1611.4	1759.5	1884.4	2096.2	2407.6	2526.9	2452.1	2461.9	2657.3	2901.9	3131.0
70°	1706.7	1883.5	1948.5	2107.9	2395.0	2442.2	2232.3	2102.3	2259.0	2537.6	2738.2
72.5°	1682.0	1884.8	1877.9	1952.2	2142.5	2186.4	1969.0	1764.2	1857.3	2065.4	2195.4
75°	1440.7	1683.4	1631.9	1616.9	1683.8	1712.8	1549.6	1518.2	1635.6	1751.2	1753.0
77.5°	1037.1	1304.1	1243.8	1157.3	1152.7	1219.4	1241.5	1446.7	1620.2	1711.4	1671.2
80°	660.7	950.1	887.5	736.5	734.1	821.1	1014.2	1293.4	1477.1	1528.1	1423.4
82.5°	345.1	621.9	645.8	552.7	632.7	776.7	965.1	1042.2	1111.9	1119.0	995.5
85°	215.1	382.5	449.9	464.3	571.4	688.7	687.4	660.3	629.4	538.7	487.3
87.5°	24.3	48.2	72.9	69.2	93.0	130.4	162.7	95.3	66.9	24.3	33.7
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: P180972

CATALOG NUMBER: ICM-F02-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	490.5	490.5	490.5	490.5	490.5	490.5	490.5	490.5	490.5	490.5	490.5
2.5°	485.9	486.3	486.8	486.8	489.1	488.7	489.1	490.0	491.4	492.4	493.3
5°	489.6	489.6	491.4	492.8	495.6	497.5	498.4	501.3	504.6	503.6	506.4
7.5°	501.8	501.3	503.2	504.1	506.4	509.7	509.2	511.5	514.3	515.3	517.6
10°	518.0	516.7	516.7	515.7	516.2	515.3	515.3	515.3	517.1	516.7	518.6
12.5°	534.9	534.4	533.5	530.7	530.7	527.0	525.1	522.8	522.3	519.1	519.5
15°	569.5	569.5	567.6	562.0	557.4	554.1	549.4	546.1	541.5	535.4	532.1
17.5°	620.0	613.5	611.2	610.2	602.7	599.9	589.7	578.9	573.8	565.3	560.7
20°	681.8	680.4	671.0	666.3	656.9	643.9	630.8	616.7	608.4	598.1	592.5
22.5°	751.4	741.1	736.5	729.5	715.0	700.0	680.4	661.7	648.6	641.6	637.3
25°	832.7	822.5	817.9	808.5	790.7	774.8	750.5	728.5	716.8	705.1	698.6
27.5°	940.8	931.0	925.4	901.0	895.0	868.7	838.9	808.9	793.5	776.2	765.0
30°	1102.1	1102.6	1073.6	1044.1	1013.8	968.4	937.0	903.4	878.1	853.4	828.6
32.5°	1374.7	1305.0	1251.3	1188.2	1122.2	1074.1	1035.3	995.1	960.0	924.0	882.8
35°	1541.2	1507.5	1437.9	1322.3	1256.0	1197.5	1154.5	1105.9	1062.9	999.3	936.6
37.5°	1729.1	1651.1	1566.4	1502.4	1427.1	1359.3	1287.3	1232.1	1157.8	1072.2	983.4
40°	2003.6	1891.9	1790.0	1703.9	1606.6	1535.5	1455.2	1375.2	1276.6	1152.7	1030.6
42.5°	2290.2	2174.8	2040.1	1928.4	1813.8	1730.6	1631.0	1518.7	1373.8	1220.4	1071.3
45°	2591.0	2436.7	2275.4	2138.8	2019.5	1916.2	1792.8	1644.1	1467.4	1281.2	1109.1
47.5°	2887.4	2710.2	2518.0	2371.2	2215.9	2089.7	1938.2	1750.2	1540.3	1338.7	1147.0
50°	3148.8	2978.2	2746.6	2560.1	2403.0	2247.3	2058.3	1832.0	1597.8	1388.3	1181.1
52.5°	3374.2	3227.4	2983.7	2748.0	2567.1	2392.2	2155.2	1898.0	1655.7	1434.1	1209.2
55°	3539.7	3442.0	3217.5	2925.3	2711.6	2503.1	2236.9	1961.6	1710.4	1470.6	1227.4
57.5°	3664.6	3610.3	3417.7	3092.2	2844.4	2610.6	2321.6	2037.8	1764.7	1502.0	1235.8
60°	3732.9	3747.7	3569.1	3238.1	2961.8	2700.4	2406.2	2102.8	1804.9	1520.2	1231.2
62.5°	3726.3	3817.9	3682.8	3327.8	3030.1	2753.7	2463.3	2133.1	1799.3	1491.2	1188.7
63°	3713.6	3820.3	3695.4	3334.0	3034.3	2755.6	2464.7	2128.9	1787.6	1477.1	1171.8
65°	3604.7	3766.4	3684.7	3306.3	2996.9	2720.5	2435.3	2068.2	1705.3	1401.9	1085.3
67.5°	3313.0	3515.4	3492.0	3111.4	2819.6	2575.6	2284.7	1872.3	1502.0	1216.7	919.7
70°	2830.8	3021.1	3025.3	2706.0	2462.3	2223.0	1981.2	1523.5	1190.5	943.2	686.0
72.5°	2169.7	2292.2	2334.7	2124.3	1961.1	1792.8	1575.8	1105.9	848.7	641.6	446.5
75°	1680.1	1646.4	1646.0	1557.1	1490.7	1408.4	1170.0	746.2	557.4	417.1	273.1
77.5°	1510.3	1360.7	1215.7	1109.1	1055.8	1028.3	767.4	449.9	328.7	239.9	157.1
80°	1245.7	1024.9	828.1	713.1	667.3	699.1	427.8	243.2	180.0	136.6	102.0
82.5°	859.0	713.1	542.0	448.9	385.3	403.1	218.8	124.4	83.3	76.2	63.2
85°	447.4	392.3	331.1	284.3	251.1	220.7	113.6	59.3	34.6	30.4	27.6
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: P180972

CATALOG NUMBER: ICM-F02-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	490.5	490.5	490.5	490.5	490.5	490.5	490.5	490.5	490.5	490.5	490.5
2.5°	494.7	494.2	495.2	495.6	497.0	498.0	498.4	497.5	498.9	500.3	499.4
5°	507.8	511.1	511.5	512.9	512.9	515.7	515.7	515.7	515.3	515.7	514.8
7.5°	519.1	523.3	523.7	525.6	526.0	529.3	527.9	528.8	528.8	526.5	525.6
10°	520.5	524.7	527.0	529.3	532.6	536.8	536.8	539.2	539.2	537.3	536.8
12.5°	520.9	524.2	526.5	529.8	534.4	540.6	543.8	547.1	548.5	548.0	546.6
15°	530.7	530.7	531.2	534.0	537.3	544.7	549.4	553.1	555.5	554.6	552.2
17.5°	556.5	552.7	549.9	545.2	546.1	549.9	552.7	556.0	556.5	555.5	551.7
20°	586.3	581.7	574.7	567.2	563.4	560.7	558.8	558.8	557.4	552.7	546.6
22.5°	628.9	622.8	613.0	601.8	594.3	585.4	574.7	564.4	553.1	542.0	528.8
25°	687.8	679.4	669.1	651.8	635.9	617.2	595.3	572.4	545.7	522.3	503.2
27.5°	747.3	728.5	701.9	678.1	648.6	620.5	589.2	561.1	527.0	498.9	477.9
30°	796.3	760.7	722.4	684.6	645.8	607.9	570.4	536.8	499.4	470.9	450.3
32.5°	834.1	785.1	731.8	682.2	634.5	588.2	545.2	507.8	470.0	440.5	418.5
35°	869.2	801.0	733.2	671.9	613.0	564.8	516.2	475.5	435.4	404.5	380.7
37.5°	895.4	808.5	724.7	652.7	584.9	531.2	481.6	440.0	398.9	365.2	338.0
40°	912.3	803.8	706.5	625.2	551.7	495.2	444.7	401.7	362.0	325.0	292.3
42.5°	925.9	797.7	688.3	599.9	525.6	463.8	411.9	365.7	325.5	285.2	249.2
45°	946.0	802.4	680.4	582.1	502.2	437.2	380.2	332.0	290.0	250.6	216.0
47.5°	965.6	804.7	668.7	560.2	472.7	409.6	351.6	304.8	261.9	225.9	194.0
50°	983.4	803.4	650.4	532.1	444.2	382.0	326.0	279.2	236.6	203.4	173.5
52.5°	991.7	795.4	628.0	505.0	421.3	357.7	300.7	255.4	213.2	181.9	154.3
55°	990.8	774.8	598.5	479.3	396.1	332.0	275.9	231.0	193.1	164.1	140.3
57.5°	976.8	743.0	567.2	450.8	362.9	300.2	246.9	203.4	171.6	147.3	127.2
60°	947.4	702.3	526.0	409.1	321.2	260.9	210.9	173.5	147.7	129.0	116.0
62.5°	892.2	643.9	474.6	351.2	265.1	210.0	166.4	142.1	123.0	111.7	105.7
63°	875.8	628.0	452.7	337.1	252.0	198.2	157.1	131.9	117.9	108.0	102.4
65°	794.4	549.9	378.8	272.1	195.9	152.9	126.2	107.1	98.7	94.4	94.0
67.5°	643.4	432.6	267.9	186.6	133.3	110.3	96.8	88.8	85.1	84.2	85.1
70°	451.7	273.1	170.2	123.9	98.7	88.8	82.8	79.5	77.1	77.6	78.5
72.5°	288.0	163.6	116.9	94.0	83.3	78.0	75.3	74.3	73.9	73.4	73.4
75°	164.1	108.9	89.8	81.4	75.7	71.5	69.2	68.3	68.7	69.2	68.3
77.5°	108.5	89.8	80.0	74.3	69.2	64.6	63.2	62.7	63.6	64.6	64.6
80°	85.6	80.0	74.3	68.7	60.3	57.0	58.0	58.4	58.0	58.4	57.0
82.5°	60.3	59.3	60.7	58.4	50.0	47.3	46.3	46.8	45.9	45.9	44.9
85°	28.1	28.1	29.5	29.5	28.6	29.0	31.3	34.1	35.5	34.1	32.3
87.5°	0.0	0.0	0.0	0.0	0.0	4.2	8.4	12.2	13.1	16.4	15.9
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: P180972

CATALOG NUMBER: ICM-F02-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	490.5	490.5	490.5	490.5	490.5	490.5	490.5	490.5	490.5	490.5	490.5
2.5°	498.0	498.9	498.4	498.0	498.9	498.0	498.4	498.0	498.0	497.5	497.5
5°	513.9	515.3	512.5	512.0	511.1	508.7	508.7	507.8	507.8	506.0	504.6
7.5°	524.2	524.7	522.3	521.9	519.5	517.1	515.3	513.4	512.9	511.5	508.7
10°	534.0	533.0	531.2	528.8	526.5	523.3	520.9	518.6	518.0	515.7	512.5
12.5°	542.4	542.0	538.2	535.9	532.1	528.8	526.0	523.3	521.9	519.1	514.3
15°	548.0	545.2	540.6	536.4	532.1	528.4	525.1	521.9	520.5	517.1	512.5
17.5°	545.7	540.6	534.4	529.3	523.7	519.1	516.2	512.9	510.6	508.7	502.2
20°	537.3	529.8	520.5	514.3	506.9	500.8	498.9	495.6	493.8	486.8	478.3
22.5°	515.3	504.6	492.8	484.0	475.5	469.5	464.7	461.5	456.8	452.7	439.5
25°	487.7	475.5	463.4	452.7	441.4	432.1	423.6	415.7	413.4	404.5	391.8
27.5°	461.0	447.4	435.4	422.7	408.2	396.6	382.0	370.8	363.4	354.0	342.2
30°	432.6	419.0	402.6	385.8	368.9	356.3	339.9	326.4	317.0	307.2	296.5
32.5°	396.6	380.2	360.6	341.8	326.4	311.4	295.1	282.0	272.7	263.7	253.4
35°	355.4	333.9	312.8	292.3	275.9	263.3	248.7	239.0	232.4	224.5	213.7
37.5°	308.2	283.8	261.4	245.5	231.0	218.8	208.6	202.5	195.4	191.3	184.7
40°	260.5	236.6	214.6	200.1	188.0	180.9	175.3	174.0	169.3	163.6	159.4
42.5°	218.3	195.4	174.0	162.2	154.3	152.5	149.7	149.7	147.3	143.1	140.3
45°	189.9	166.0	147.3	138.9	134.7	134.2	132.8	132.8	132.4	130.4	127.2
47.5°	169.3	147.7	133.3	128.1	127.2	126.2	124.8	124.4	123.9	122.5	120.7
50°	150.6	132.4	123.0	120.7	121.1	119.7	118.3	116.9	116.5	115.1	113.1
52.5°	133.3	120.2	114.0	112.7	112.7	112.7	111.7	111.7	110.8	110.3	108.5
55°	123.4	113.6	110.3	109.9	109.4	108.9	108.0	108.0	107.1	106.6	104.3
57.5°	115.1	108.9	107.1	106.1	105.7	104.7	104.3	104.3	104.3	104.3	101.5
60°	108.5	105.7	105.2	104.3	103.8	102.0	101.0	100.6	101.0	101.5	98.7
62.5°	101.5	101.0	100.6	99.6	99.2	97.3	95.8	94.9	95.8	96.8	96.3
63°	99.6	99.2	99.2	98.7	98.2	95.8	94.4	93.5	94.4	95.3	95.3
65°	93.0	93.5	93.5	93.0	92.6	91.2	89.3	88.4	88.8	90.2	90.7
67.5°	86.0	86.5	86.0	86.5	86.0	85.1	83.7	82.8	82.3	82.8	83.3
70°	79.5	80.5	80.0	79.5	79.0	79.0	78.0	76.7	76.2	75.7	75.7
72.5°	73.9	73.9	72.9	72.9	72.5	72.5	71.5	70.1	69.7	69.7	68.7
75°	67.8	67.8	66.4	66.4	65.5	66.0	65.0	63.6	63.2	63.2	62.7
77.5°	64.1	62.7	60.3	59.8	59.3	59.3	58.9	57.5	57.0	57.0	56.6
80°	56.6	53.8	51.4	51.0	51.4	52.4	52.4	51.4	51.4	51.4	51.4
82.5°	44.0	43.0	41.6	40.7	40.7	42.0	44.0	44.9	45.9	46.8	46.8
85°	32.3	32.7	32.3	30.9	30.4	31.8	33.7	35.5	36.0	37.9	37.4
87.5°	17.3	17.8	16.4	15.9	17.3	18.2	20.1	20.6	21.5	22.0	22.4
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: P180972

CATALOG NUMBER: ICM-F02-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	490.5	490.5	490.5	490.5	490.5	490.5	490.5	490.5	490.5	490.5	490.5
2.5°	497.0	496.6	497.0	496.1	496.1	495.2	494.2	493.8	492.8	492.4	491.4
5°	505.5	504.1	502.7	502.2	500.3	498.4	497.0	494.7	492.8	489.6	488.7
7.5°	511.1	507.8	506.0	505.5	502.7	501.3	498.0	495.2	492.4	488.2	486.8
10°	513.4	510.1	506.9	505.5	502.2	499.8	496.6	492.4	490.0	485.9	484.9
12.5°	516.2	510.1	505.0	501.3	496.6	491.4	488.2	485.9	482.5	480.2	479.3
15°	511.1	503.2	495.2	488.2	480.7	475.1	471.8	468.1	464.3	462.9	462.9
17.5°	497.0	486.8	473.2	464.3	456.4	450.3	446.0	442.3	441.9	440.0	440.9
20°	468.1	454.5	441.4	434.9	430.1	426.4	422.2	420.4	419.0	416.2	415.3
22.5°	427.8	416.7	407.3	402.6	398.9	394.1	390.4	384.8	383.4	380.7	379.3
25°	383.4	374.5	366.6	363.4	361.0	354.4	352.1	344.7	339.4	336.2	338.0
27.5°	339.0	332.5	325.0	320.7	319.4	313.3	311.0	302.5	298.3	298.3	293.7
30°	293.2	287.1	282.4	277.8	276.8	269.3	263.3	260.0	255.4	253.4	250.1
32.5°	250.1	244.1	240.4	238.0	234.2	228.2	222.1	216.5	209.0	206.2	204.8
35°	210.4	205.8	201.0	199.2	194.0	187.5	180.0	175.3	166.4	163.2	161.8
37.5°	180.0	174.4	171.2	166.0	160.8	153.9	148.2	144.0	140.7	139.3	139.3
40°	155.7	151.5	147.7	143.5	139.3	135.6	132.8	131.9	131.3	131.3	132.4
42.5°	137.5	133.8	131.9	129.5	128.1	128.1	127.6	128.1	128.6	129.0	130.4
45°	125.3	123.0	122.0	121.6	122.5	123.4	123.9	124.8	126.7	127.6	128.1
47.5°	118.8	116.9	116.5	116.9	118.3	120.2	122.0	123.4	124.8	125.3	125.8
50°	112.2	109.9	108.9	109.9	111.7	114.6	116.0	118.3	119.3	120.2	119.3
52.5°	106.6	104.7	104.3	104.3	106.1	108.0	109.9	111.7	112.2	112.2	111.7
55°	102.0	100.6	99.2	100.1	101.5	103.3	106.1	107.5	108.5	108.9	108.9
57.5°	98.2	96.8	95.3	96.3	97.8	99.6	102.4	103.8	104.7	106.1	106.6
60°	95.3	93.5	92.1	93.5	94.9	97.8	100.1	101.5	103.8	104.3	104.3
62.5°	92.6	90.7	88.4	89.8	89.8	91.2	93.5	95.3	97.8	98.7	98.7
63°	92.1	90.2	87.9	88.8	88.8	89.8	91.6	93.5	96.3	97.3	96.8
65°	88.4	87.9	85.6	85.6	84.7	85.6	87.0	88.8	90.2	91.6	91.6
67.5°	82.3	81.9	81.4	81.4	81.4	82.3	83.3	84.7	86.0	87.0	86.5
70°	75.3	75.3	75.3	75.7	75.7	76.7	77.1	76.7	78.0	79.0	78.5
72.5°	69.2	68.7	68.3	69.2	68.7	68.7	69.7	69.2	70.6	70.6	71.1
75°	62.7	62.2	62.2	62.7	61.8	60.7	61.2	61.2	61.8	61.8	62.7
77.5°	57.0	57.0	57.0	56.6	55.6	55.2	54.7	54.7	54.7	54.7	55.2
80°	51.9	51.9	51.9	51.4	50.5	49.6	48.7	48.2	47.7	45.4	45.4
82.5°	46.8	46.8	46.8	46.8	46.3	45.4	44.0	40.2	38.3	36.5	36.9
85°	36.9	37.9	38.8	40.2	39.7	39.7	36.9	32.3	29.5	27.6	28.1
87.5°	23.8	21.0	21.0	20.6	19.6	18.7	18.7	15.9	13.1	11.7	12.2
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: P180972
 CATALOG NUMBER: ICM-F02-LED-E1-SLL-7030

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	490.5	490.5	490.5	490.5	490.5	490.5	490.5	490.5	490.5	490.5	490.5	0°
2.5°	491.4	490.5	489.6	489.6	488.2	488.2	487.3	489.1	487.3	485.9	485.9	2.5°
5°	487.7	486.8	484.0	483.5	481.6	481.6	481.6	480.7	480.7	479.7	479.3	5°
7.5°	485.4	483.1	480.7	479.3	479.3	478.3	480.2	479.3	479.7	479.7	480.2	7.5°
10°	483.5	481.6	480.7	480.2	480.2	481.6	483.1	483.5	483.1	483.5	483.5	10°
12.5°	478.8	479.7	480.2	482.0	484.5	487.3	490.5	491.0	491.9	491.9	492.8	12.5°
15°	463.8	466.2	469.0	473.7	479.7	485.9	491.9	497.0	501.8	504.1	506.0	15°
17.5°	442.8	445.1	450.3	455.4	463.4	472.3	482.5	491.4	501.3	510.1	519.1	17.5°
20°	414.3	418.0	419.4	428.7	438.1	450.3	462.4	476.5	493.3	510.1	527.4	20°
22.5°	377.3	381.6	388.1	395.6	405.4	420.4	434.9	456.8	479.3	503.2	530.2	22.5°
25°	336.2	340.8	346.5	354.4	364.3	380.2	401.2	424.6	452.2	483.5	517.1	25°
27.5°	293.7	298.3	303.0	308.7	319.8	336.7	361.5	385.8	416.2	450.3	489.6	27.5°
30°	251.1	251.5	254.3	261.4	273.1	295.1	313.3	343.7	375.4	411.4	456.8	30°
32.5°	204.4	203.9	207.2	213.2	224.5	245.5	267.9	297.4	328.7	374.0	420.8	32.5°
35°	162.7	162.7	168.8	174.9	187.5	202.5	222.1	248.3	285.2	327.4	374.0	35°
37.5°	140.7	144.0	147.7	153.9	163.6	175.3	192.7	215.5	244.6	284.7	327.8	37.5°
40°	133.8	135.6	138.9	144.5	152.9	163.6	176.3	193.6	216.0	248.3	287.5	40°
42.5°	130.9	131.3	133.3	137.5	144.9	155.7	168.8	184.2	201.0	224.0	258.1	42.5°
45°	128.1	127.6	128.6	131.9	138.0	150.1	165.0	181.9	198.7	217.9	246.0	45°
47.5°	125.8	125.8	125.8	127.2	132.8	144.9	162.2	181.9	202.0	223.5	251.1	47.5°
50°	119.3	118.8	118.8	119.7	123.9	137.0	157.6	181.4	207.6	235.6	267.0	50°
52.5°	111.7	111.7	112.2	112.7	116.5	129.5	152.5	181.4	214.1	251.5	290.9	52.5°
55°	109.4	109.9	110.3	109.9	112.7	123.9	146.8	178.6	216.9	264.2	316.6	55°
57.5°	107.5	108.5	108.5	108.0	109.9	119.3	141.2	173.0	214.6	268.8	334.8	57.5°
60°	104.7	104.7	104.7	103.3	104.3	112.7	132.8	164.1	207.2	264.7	337.6	60°
62.5°	98.7	98.7	97.8	97.3	96.8	103.3	121.6	151.1	193.6	253.4	330.6	62.5°
63°	97.3	96.8	96.8	95.3	95.3	101.5	119.3	149.1	189.9	250.6	327.8	63°
65°	92.1	92.1	92.1	91.2	90.7	95.3	109.9	136.1	175.3	237.6	313.8	65°
67.5°	86.5	87.0	86.0	85.6	85.1	87.9	99.2	119.7	152.9	210.0	287.5	67.5°
70°	78.5	79.0	79.0	78.5	78.0	80.0	87.0	102.9	126.7	174.9	245.0	70°
72.5°	71.5	72.5	72.5	73.4	73.4	74.8	77.6	85.6	101.5	136.6	192.7	72.5°
75°	64.1	64.6	65.5	66.4	65.5	65.0	65.5	71.5	79.5	101.0	137.5	75°
77.5°	57.5	58.9	58.9	58.4	57.0	56.1	56.1	58.9	65.5	76.7	98.2	77.5°
80°	47.7	50.0	50.5	49.1	47.7	47.7	48.7	50.5	54.7	63.2	74.3	80°
82.5°	38.3	40.7	41.1	41.6	41.1	42.5	42.5	43.0	45.4	51.9	60.7	82.5°
85°	29.5	31.3	32.7	33.2	33.7	34.1	33.7	31.3	32.7	36.9	41.1	85°
87.5°	13.1	13.6	12.7	13.1	12.7	13.1	13.6	11.3	10.8	14.5	15.0	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: P180972

NUMBER: ICM-F02-LED-E1-SLL-7030

DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
490.5	490.5	490.5	490.5	490.5	490.5	490.5
485.4	485.4	485.9	484.9	484.9	485.4	484.0
477.9	479.7	479.7	479.7	478.8	479.7	480.2
479.7	481.1	482.0	482.0	481.6	483.5	484.9
482.0	484.5	485.4	485.4	485.4	487.7	491.0
491.0	492.8	494.2	494.2	495.2	498.0	501.8
507.4	509.7	509.7	509.2	512.0	515.3	519.5
525.6	532.1	535.4	534.9	537.3	541.5	546.1
542.9	561.1	569.0	574.7	577.0	582.6	584.0
557.4	587.7	609.8	628.5	637.3	643.0	649.5
552.2	593.4	632.7	671.0	698.1	725.7	737.4
531.2	582.6	634.1	690.1	739.3	788.4	823.9
505.5	567.2	636.4	715.9	793.5	868.7	928.7
476.0	552.7	641.6	739.7	841.7	940.4	1026.8
439.1	525.1	628.9	742.1	862.2	982.0	1094.1
392.3	487.7	599.4	725.2	863.2	1000.2	1134.4
345.6	440.5	562.0	700.9	851.0	1004.4	1159.6
312.8	398.4	524.2	670.1	831.4	997.9	1171.8
290.4	368.0	490.5	642.1	810.3	986.1	1173.7
288.5	354.9	468.6	621.4	793.5	975.9	1173.7
304.4	362.0	461.0	611.2	786.5	972.6	1174.6
334.3	390.0	474.6	619.1	792.1	976.8	1178.8
370.3	432.6	511.1	646.7	815.9	990.8	1188.2
403.1	481.6	573.3	700.0	859.4	1026.3	1214.3
422.2	523.7	639.2	774.8	933.8	1096.9	1266.7
424.6	547.1	697.7	856.2	1024.0	1177.9	1350.4
422.7	548.9	705.1	871.6	1043.2	1198.0	1379.5
412.4	549.4	726.1	925.9	1109.6	1282.6	1460.3
386.2	534.4	733.7	968.4	1193.3	1393.9	1611.4
340.8	491.9	711.7	969.3	1225.6	1456.1	1706.7
274.0	411.0	616.7	881.9	1140.5	1394.8	1682.0
200.6	302.0	466.2	683.2	930.5	1161.0	1440.7
133.3	195.4	314.2	486.8	667.3	835.6	1037.1
91.6	121.1	183.7	292.7	408.2	490.0	660.7
67.3	80.0	102.0	149.7	196.4	241.8	345.1
42.0	45.9	51.0	73.9	105.7	142.6	215.1
11.3	11.7	10.8	14.5	22.9	22.0	24.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)