

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: P180458

Luminaire Tested: **ICM-E01-LED-E1-SL2**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180458  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33678)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ICM-E01-LED-E1-SL2  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL  
Light Source: (21) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2842 lumens  
Efficiency: N/A  
Efficacy: 115.1 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G1

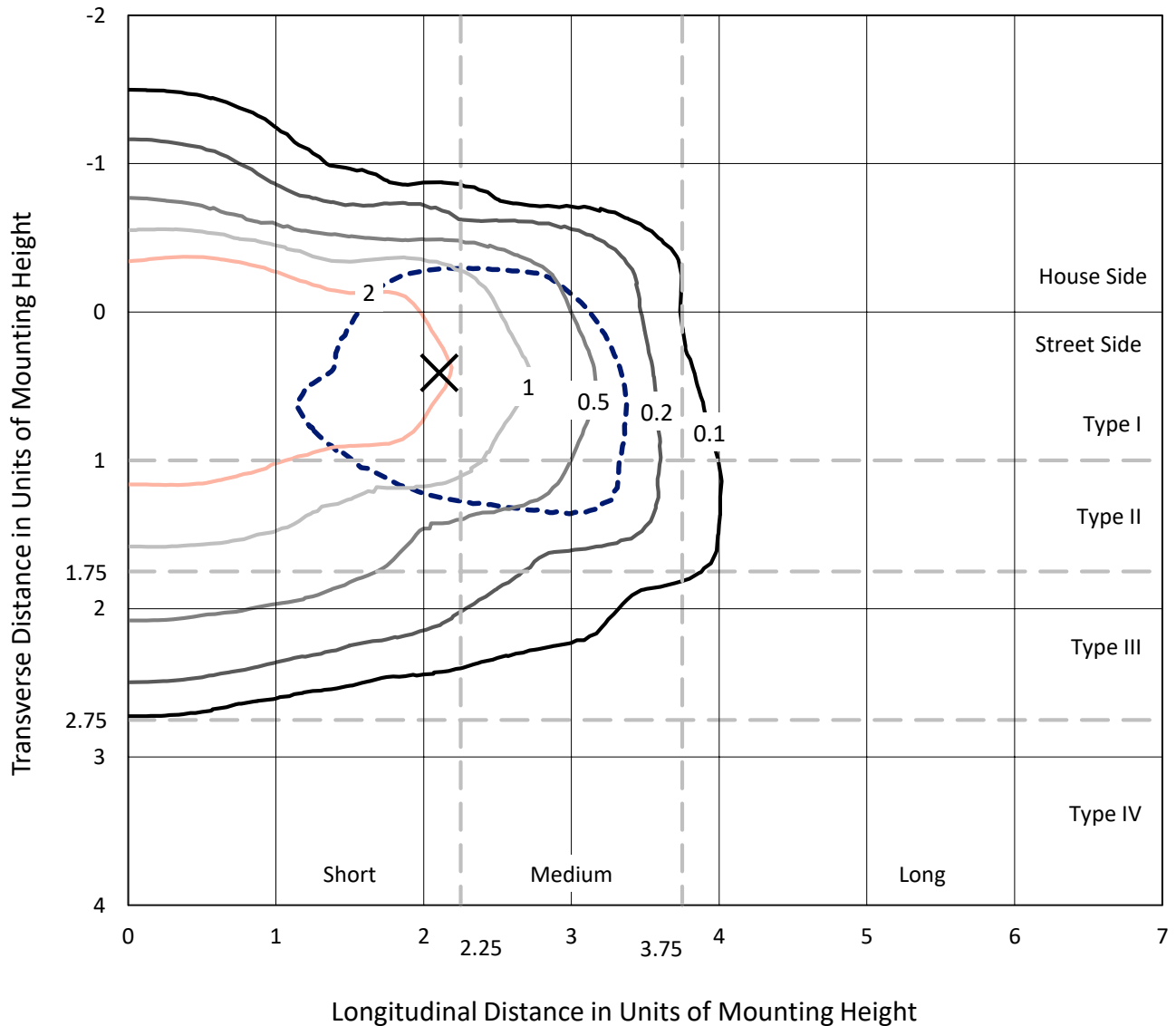
Input Watts (W): 24.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P180458  
 CATALOG NUMBER: ICM-E01-LED-E1-SL2

### Iso-Footcandle Lines of Horizontal Illumination

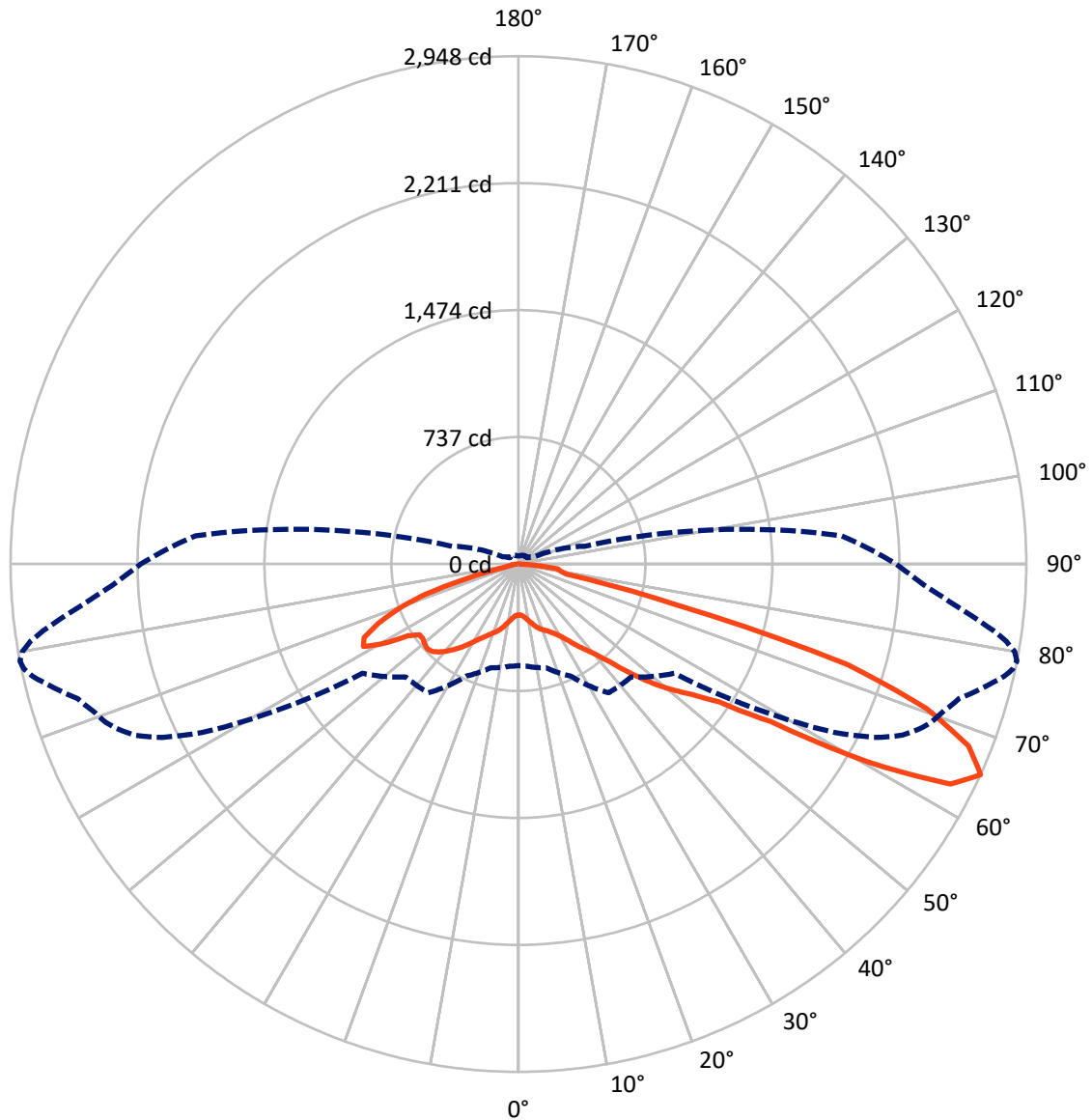
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.9 fc  
 Type II - Short - Non-Cutoff

REPORT NUMBER: P180458  
CATALOG NUMBER: ICM-E01-LED-E1-SL2

### Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P180458

CATALOG NUMBER: ICM-E01-LED-E1-SL2

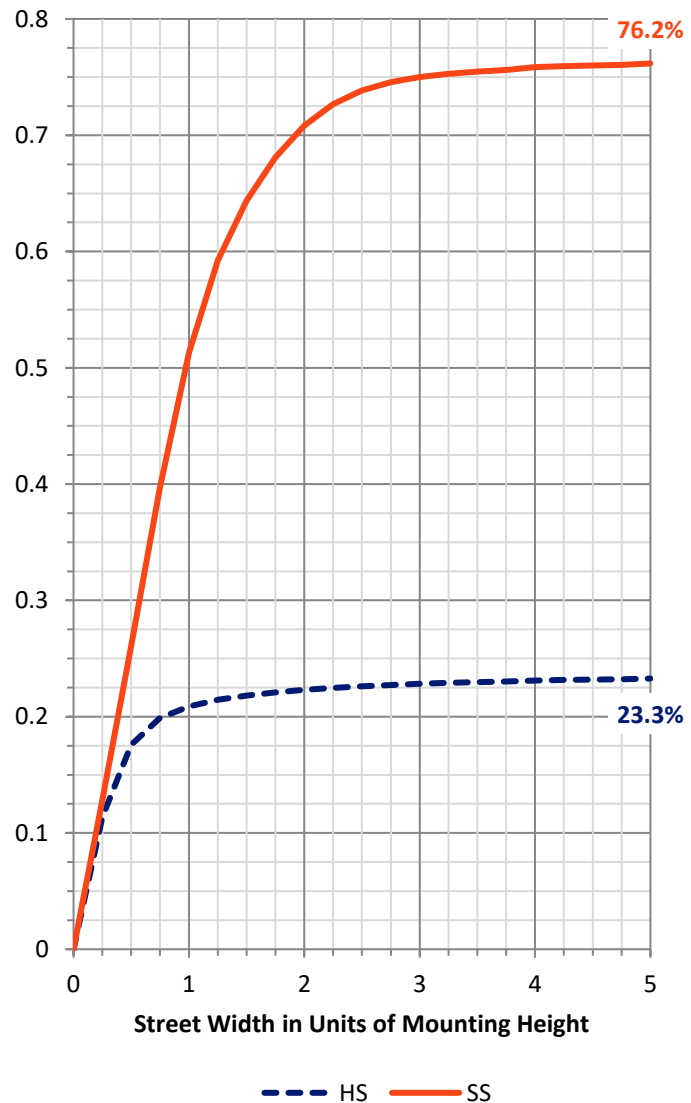
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	671.8	0.0	671.8
	% Fixture	23.6	0.0	23.6
<b>Street Side</b>	Lumens	2170.1	0.0	2170.1
	% Fixture	76.4	0.0	76.4
<b>Total</b>	Lumens	2842.0	0.0	2842.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.4	1.0
10°-20°	96.2	3.4
20°-30°	166.1	5.8
30°-40°	274.9	9.7
40°-50°	466.2	16.4
50°-60°	619.5	21.8
60°-70°	800.2	28.2
70°-80°	335.6	11.8
80°-90°	53.9	1.9
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°	2842.0	100.0
0°-180°	2842.0	100.0



REPORT NUMBER: P180458

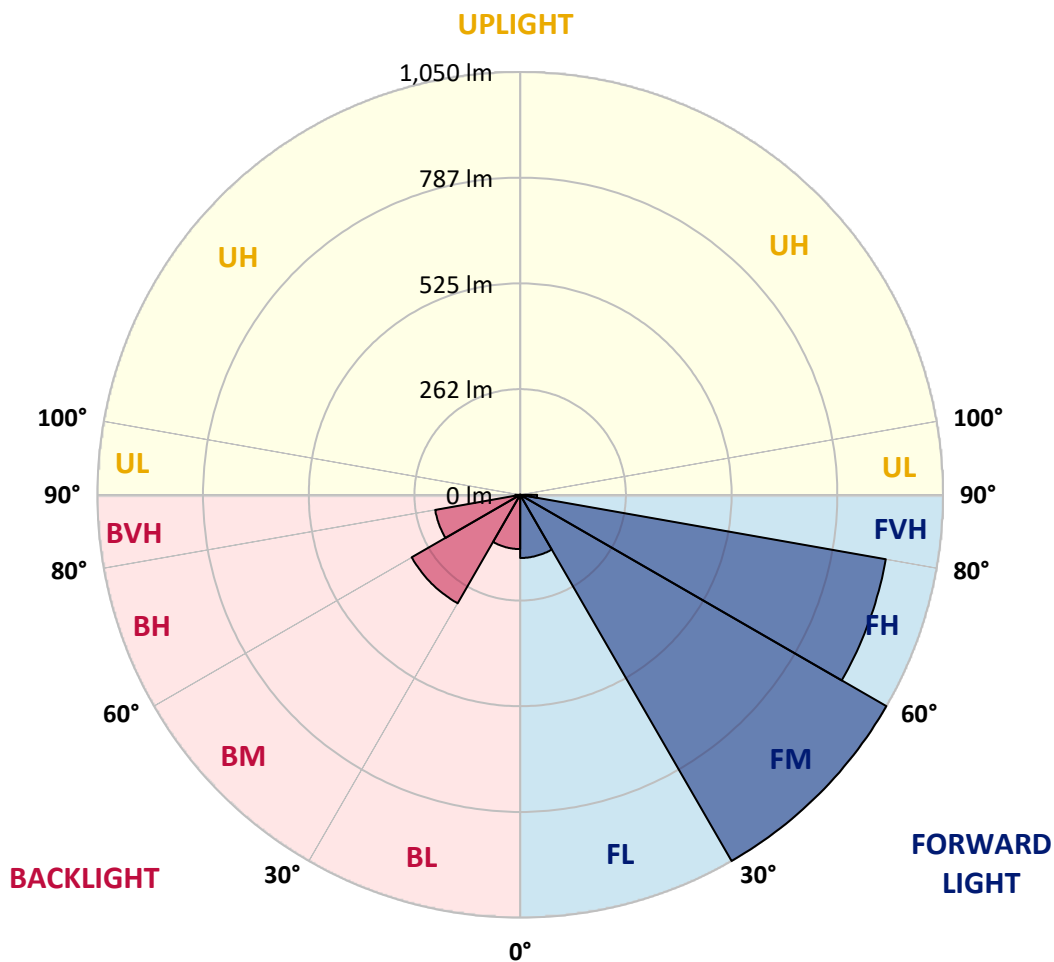
CATALOG NUMBER: ICM-E01-LED-E1-SL2

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	156.8	5.5			
FM (30°-60°)	1049.6	36.9			
FH (60°-80°)	921.5	32.4			G1/1800
FVH (80°-90°)	42.2	1.5			G1/100
BL (0°-30°)	134.8	4.7	B1/500		
BM (30°-60°)	311.0	10.9	B1/1000		
BH (60°-80°)	214.3	7.5	B1/500		G1/500
BVH (80°-90°)	11.8	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-G1**

Type II Short





REPORT NUMBER: P180458

CATALOG NUMBER: ICM-E01-LED-E1-SL2

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	295.8	295.8	295.8	295.8	295.8	295.8	295.8	295.8	295.8	295.8	295.8
2.5°	294.9	295.8	295.2	295.8	296.5	296.7	297.4	297.0	297.0	297.4	296.7
5°	294.9	294.9	295.8	297.4	298.0	299.8	302.0	301.7	302.0	301.7	302.3
7.5°	301.1	300.7	301.7	303.5	304.2	307.0	310.7	311.4	311.9	311.9	312.8
10°	311.9	311.6	312.6	313.5	314.4	316.6	321.9	324.0	324.4	324.7	325.9
12.5°	325.6	325.3	324.0	324.0	323.7	327.7	334.9	338.9	339.5	340.7	341.7
15°	335.2	334.2	332.4	331.2	332.7	339.3	349.8	354.4	355.1	356.0	358.4
17.5°	344.5	343.5	339.5	336.5	338.6	349.1	363.4	368.4	369.6	370.5	373.3
20°	357.5	356.9	351.0	343.5	343.0	356.6	374.0	380.5	381.4	382.6	385.4
22.5°	377.4	374.6	367.7	353.8	347.0	360.9	381.4	390.4	391.6	392.8	396.6
25°	402.1	400.9	389.1	367.7	353.5	365.3	389.5	400.7	402.5	404.0	409.0
27.5°	427.9	426.0	413.3	385.4	364.9	374.0	402.1	414.9	417.4	419.8	424.5
30°	450.9	450.2	439.7	409.3	383.5	390.4	422.6	438.1	440.9	444.0	448.4
32.5°	504.8	505.1	494.2	463.3	428.6	420.2	452.1	475.4	476.6	480.3	488.1
35°	608.1	609.3	605.3	580.7	541.7	507.3	510.4	533.3	534.6	537.7	545.1
37.5°	677.2	679.7	692.1	699.8	680.0	664.2	624.8	615.8	616.7	614.9	613.3
40°	715.4	719.1	751.6	791.9	813.7	814.0	796.9	757.2	742.1	737.7	719.1
42.5°	737.0	743.3	789.5	858.3	920.7	963.4	974.0	930.0	918.8	898.9	863.3
45°	751.4	758.8	813.3	907.6	999.4	1072.3	1127.2	1107.6	1100.2	1088.1	1055.2
47.5°	748.8	754.7	811.4	924.4	1040.7	1144.2	1241.6	1261.7	1252.8	1249.6	1227.3
50°	703.5	708.8	766.5	882.8	1018.0	1171.4	1314.1	1371.2	1371.2	1377.0	1370.2
52.5°	655.2	659.5	711.9	816.5	944.8	1144.8	1354.4	1449.0	1461.4	1471.6	1487.7
55°	636.9	642.1	681.9	771.2	882.5	1068.6	1368.1	1507.3	1530.2	1547.6	1584.2
57.5°	645.6	650.9	679.1	746.7	845.9	990.7	1368.7	1585.8	1630.1	1665.8	1739.8
60°	683.1	688.1	711.6	769.3	836.3	945.8	1342.3	1710.7	1781.4	1848.4	1971.8
62.5°	665.8	671.9	706.3	806.8	907.9	911.6	1247.2	1807.5	1921.2	2020.2	2216.5
65°	589.8	596.3	623.3	717.2	912.3	926.5	1106.1	1809.3	1950.7	2084.4	2296.1
67.5°	447.7	450.2	471.6	547.0	729.6	943.0	960.9	1595.1	1729.6	1878.8	2097.4
70°	228.8	233.2	239.4	302.0	469.8	779.3	825.8	1175.5	1347.0	1501.1	1763.7
72.5°	79.3	80.9	87.2	115.3	228.8	511.4	722.8	805.6	909.1	1053.3	1357.5
75°	47.7	47.7	50.0	58.3	104.5	266.3	643.1	658.0	671.9	720.3	919.4
77.5°	37.9	38.4	38.4	40.0	58.0	136.7	488.4	611.8	613.7	618.3	651.8
80°	27.0	28.2	30.7	31.9	37.5	75.1	274.1	537.0	573.7	591.4	615.8
82.5°	20.2	21.4	26.0	27.6	29.1	41.9	123.1	370.5	437.2	472.6	558.8
85°	9.0	10.5	17.7	19.5	20.5	22.3	57.7	105.4	121.2	136.1	179.5
87.5°	1.6	1.6	2.8	4.0	5.9	5.6	12.7	18.0	18.3	21.4	23.9
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: P180458

CATALOG NUMBER: ICM-E01-LED-E1-SL2

**CANDELA DISTRIBUTION (continued):**

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	295.8	295.8	295.8	295.8	295.8	295.8	295.8	295.8	295.8	295.8	295.8
2.5°	296.7	296.7	296.7	296.5	296.7	296.7	296.7	296.7	297.0	297.0	297.0
5°	303.3	302.6	303.0	303.0	303.0	302.6	303.3	303.0	303.3	304.2	303.9
7.5°	312.8	313.5	313.8	314.1	314.1	314.1	314.4	315.1	315.1	316.0	315.6
10°	327.2	326.8	327.2	328.1	329.0	329.3	330.2	330.0	330.5	331.8	333.0
12.5°	342.3	343.0	343.9	344.8	346.3	346.7	347.6	347.9	349.8	349.8	351.0
15°	359.4	359.7	361.6	361.9	363.7	364.4	365.9	366.5	368.7	369.0	370.2
17.5°	374.9	375.5	376.5	377.4	379.5	380.5	381.7	383.0	384.8	385.4	387.6
20°	387.3	388.6	388.8	390.7	392.6	393.8	395.1	396.3	398.1	399.1	401.2
22.5°	398.4	399.7	400.7	402.1	403.4	405.3	405.9	408.1	410.0	411.4	413.3
25°	410.5	412.4	413.3	416.1	417.0	418.9	420.5	422.6	425.1	427.0	429.5
27.5°	427.6	430.4	431.6	434.7	436.9	437.9	440.3	443.4	445.6	447.7	450.2
30°	451.2	456.5	457.4	459.5	463.5	464.2	467.3	469.8	473.2	475.4	477.5
32.5°	487.7	494.2	494.9	497.4	500.7	502.0	504.5	507.3	512.6	513.5	516.9
35°	543.9	546.7	549.1	550.0	552.8	554.4	556.3	559.4	564.7	564.0	567.7
37.5°	611.2	612.1	612.4	609.3	610.0	607.2	610.5	611.2	613.0	614.6	618.3
40°	707.3	697.7	696.5	689.0	681.6	677.5	676.0	669.8	671.4	671.9	675.1
42.5°	847.7	829.1	813.7	803.1	784.8	775.8	763.7	754.1	746.7	749.5	750.7
45°	1025.8	999.1	974.2	942.1	918.1	901.1	879.7	860.5	851.8	847.7	852.7
47.5°	1203.4	1179.8	1150.7	1117.5	1079.7	1051.4	1015.8	984.5	962.8	954.7	959.1
50°	1356.9	1335.2	1313.2	1293.7	1249.6	1218.9	1170.2	1129.6	1095.5	1078.1	1073.5
52.5°	1484.4	1472.8	1461.1	1444.7	1409.3	1378.6	1339.8	1299.8	1254.6	1219.3	1207.2
55°	1598.1	1604.9	1599.1	1599.4	1585.4	1565.9	1533.0	1503.3	1471.6	1431.6	1414.9
57.5°	1764.0	1804.4	1812.4	1832.6	1842.5	1853.0	1862.3	1844.7	1836.6	1806.8	1807.2
60°	2025.4	2084.4	2135.5	2182.1	2220.2	2257.4	2296.5	2313.8	2333.0	2342.1	2372.8
62.5°	2303.5	2359.7	2436.0	2498.3	2533.3	2581.7	2624.2	2651.8	2685.6	2721.6	2768.4
65°	2372.4	2440.0	2488.1	2529.6	2564.4	2590.1	2613.3	2646.2	2674.4	2731.5	2786.7
67.5°	2196.0	2250.0	2294.0	2334.9	2361.9	2383.5	2404.4	2426.1	2474.4	2526.2	2581.7
70°	1884.9	1950.1	2023.0	2076.0	2089.3	2107.9	2127.7	2156.0	2180.2	2234.4	2276.6
72.5°	1514.4	1608.1	1669.8	1743.3	1759.1	1787.3	1798.4	1820.5	1824.8	1854.2	1865.4
75°	1055.5	1162.8	1224.8	1278.8	1289.3	1273.8	1280.0	1202.1	1182.3	1166.2	1153.2
77.5°	696.7	725.6	735.5	726.8	685.3	652.7	618.0	583.9	587.6	560.0	511.6
80°	619.5	626.1	617.0	608.4	584.5	550.4	519.1	487.2	471.4	454.6	429.8
82.5°	602.8	627.9	630.7	620.2	601.2	564.0	526.2	478.8	438.4	401.2	363.4
85°	201.6	245.3	264.8	283.1	288.7	295.2	272.8	242.5	205.9	181.4	142.0
87.5°	25.8	31.9	36.9	31.6	36.9	43.4	31.3	35.1	35.3	22.0	16.5
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: P180458

CATALOG NUMBER: ICM-E01-LED-E1-SL2

**CANDELA DISTRIBUTION (continued):**

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	295.8	295.8	295.8	295.8	295.8	295.8	295.8	295.8	295.8	295.8	295.8
2.5°	297.4	297.0	297.0	297.0	296.7	297.0	297.0	297.0	297.0	297.0	296.7
5°	304.2	304.2	305.1	305.4	304.8	304.5	304.8	305.1	305.1	304.8	305.1
7.5°	316.9	317.2	317.9	318.8	318.1	318.4	318.8	318.4	319.4	319.7	319.4
10°	333.0	333.7	335.2	335.5	335.2	336.5	336.7	336.1	336.7	336.7	338.0
12.5°	351.6	352.3	354.1	354.7	355.4	355.6	356.6	356.9	357.9	358.4	359.4
15°	371.8	372.4	373.7	375.8	376.5	377.0	377.7	379.5	379.8	381.1	382.0
17.5°	388.8	389.8	391.6	393.2	394.1	395.6	396.3	398.4	399.1	400.9	402.5
20°	402.5	404.0	405.6	407.4	409.0	410.9	411.4	413.7	414.9	415.8	417.7
22.5°	414.9	416.7	418.9	421.1	422.3	424.8	425.8	426.7	429.5	430.7	432.6
25°	431.0	432.8	435.4	438.1	439.4	442.5	443.4	444.9	448.1	449.3	452.1
27.5°	453.0	455.5	457.4	460.2	461.7	463.9	466.0	467.9	470.7	472.6	475.6
30°	480.7	482.5	485.6	487.7	490.2	493.3	495.8	497.7	499.3	502.0	505.4
32.5°	521.2	521.6	522.5	527.7	530.2	532.7	536.1	537.7	540.2	543.0	546.7
35°	571.8	574.6	576.7	579.3	582.1	584.8	586.1	590.7	592.8	596.6	600.3
37.5°	622.1	622.3	627.3	628.8	631.4	634.1	638.4	643.1	648.7	652.4	658.3
40°	676.0	678.4	684.7	687.7	690.9	697.7	701.1	708.6	717.9	723.1	733.0
42.5°	754.1	757.9	769.0	774.0	781.4	792.6	799.7	810.0	813.7	826.3	831.0
45°	856.5	867.9	884.0	894.6	907.9	920.0	926.2	930.9	936.5	946.3	945.1
47.5°	967.2	982.1	1000.0	1021.7	1030.4	1044.7	1052.8	1061.7	1056.8	1054.2	1051.8
50°	1080.7	1098.0	1121.9	1141.4	1154.7	1163.4	1170.2	1169.0	1158.4	1152.8	1137.4
52.5°	1206.8	1217.0	1239.7	1256.5	1264.5	1266.3	1264.8	1255.5	1245.6	1227.9	1209.6
55°	1400.3	1395.6	1404.7	1412.4	1410.0	1418.6	1396.3	1387.6	1363.1	1340.2	1315.6
57.5°	1793.5	1799.7	1749.5	1726.8	1722.8	1730.9	1691.5	1686.5	1627.3	1619.8	1578.6
60°	2368.4	2398.8	2359.4	2337.4	2277.9	2258.3	2214.2	2196.0	2139.3	2093.3	2035.4
62.5°	2800.7	2828.2	2844.7	2813.3	2778.6	2727.5	2660.8	2587.0	2526.8	2456.5	2395.1
65°	2839.7	2895.6	2933.3	2947.9	2923.5	2867.3	2785.1	2692.1	2600.0	2511.6	2434.2
67.5°	2657.0	2707.0	2765.6	2818.0	2821.1	2784.5	2714.4	2619.8	2513.5	2404.4	2313.5
70°	2343.3	2405.9	2457.0	2512.3	2550.7	2529.6	2494.6	2407.7	2297.4	2212.4	2107.9
72.5°	1905.8	1932.1	1944.5	1998.8	1999.4	1960.9	1936.1	1888.1	1799.1	1738.9	1659.3
75°	1112.8	1054.9	993.2	939.5	895.8	877.5	796.3	782.6	728.1	694.2	644.7
77.5°	458.9	407.2	340.5	284.9	230.0	205.3	169.3	153.5	133.0	124.0	118.1
80°	393.5	344.5	294.2	246.2	203.4	160.7	124.9	97.0	76.3	64.8	60.2
82.5°	321.2	291.8	256.7	230.7	197.2	165.3	139.5	108.2	80.9	59.5	45.6
85°	116.0	95.2	76.6	70.4	56.1	46.2	38.8	33.2	27.3	21.7	19.3
87.5°	13.0	12.4	7.2	6.8	7.7	5.6	6.5	5.9	4.9	4.4	4.7
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: P180458

CATALOG NUMBER: ICM-E01-LED-E1-SL2

**CANDELA DISTRIBUTION (continued):**

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	295.8	295.8	295.8	295.8	295.8	295.8	295.8	295.8	295.8	295.8	295.8
2.5°	296.7	296.7	297.0	297.0	297.4	297.7	298.3	298.0	298.0	298.3	298.3
5°	305.1	306.0	305.8	305.8	305.8	306.0	306.3	305.1	303.9	302.6	302.0
7.5°	319.7	320.3	320.9	320.3	320.9	320.7	320.0	316.6	312.6	307.6	304.2
10°	338.6	338.6	339.3	338.9	340.2	339.3	337.4	329.6	320.9	310.4	302.6
12.5°	359.1	361.2	360.3	360.7	363.1	360.7	356.3	344.8	329.3	312.3	298.6
15°	383.3	384.2	384.8	383.9	385.4	383.3	375.5	357.2	334.6	310.7	290.5
17.5°	403.1	403.4	403.7	404.4	406.5	404.0	390.7	365.9	335.8	303.5	276.9
20°	418.6	420.2	421.4	421.4	424.5	420.7	403.1	370.2	331.8	291.8	259.5
22.5°	434.7	436.0	437.5	437.9	441.9	438.1	413.3	369.3	321.2	275.1	239.4
25°	454.6	455.8	457.0	458.6	464.2	458.9	423.5	365.6	306.7	255.2	217.7
27.5°	477.5	480.3	481.2	483.7	490.2	482.1	432.3	360.0	290.5	232.3	194.7
30°	508.2	511.6	512.8	516.3	525.3	507.6	437.2	350.4	270.0	209.0	170.2
32.5°	549.5	554.1	557.9	561.6	571.8	533.0	437.9	336.5	246.2	183.0	146.7
35°	603.4	610.5	613.3	615.8	625.4	560.7	435.1	315.6	217.0	156.3	128.1
37.5°	663.9	671.0	672.8	674.1	676.0	584.2	428.2	284.0	184.2	133.0	113.2
40°	738.3	744.5	747.0	745.1	735.2	602.5	413.0	247.2	152.3	117.2	103.9
42.5°	829.1	838.4	839.4	831.0	798.1	612.7	382.6	203.7	127.2	105.8	96.7
45°	941.7	941.1	935.8	930.0	866.7	608.7	340.2	165.9	111.3	96.7	90.2
47.5°	1042.8	1032.3	1024.2	1006.8	927.2	585.1	285.3	137.4	101.7	90.0	84.7
50°	1125.6	1106.3	1089.3	1070.4	972.1	543.3	230.7	116.6	92.7	84.0	79.3
52.5°	1191.0	1167.7	1147.9	1129.3	1015.5	496.7	189.1	101.4	84.0	78.1	73.5
55°	1293.3	1270.1	1238.4	1218.0	1081.9	454.0	162.1	89.3	75.6	71.9	67.3
57.5°	1552.3	1531.8	1494.0	1440.9	1252.4	437.9	147.0	80.0	68.8	66.7	63.0
60°	2004.4	1971.2	1921.9	1867.9	1599.1	448.7	134.9	73.5	64.2	62.3	59.5
62.5°	2345.4	2287.2	2231.4	2181.4	1876.3	448.4	119.1	68.6	60.7	59.8	57.0
65°	2359.4	2300.2	2244.0	2191.6	1882.5	399.1	100.5	64.2	60.2	59.8	55.2
67.5°	2234.2	2170.0	2115.6	2049.6	1742.6	311.9	80.7	61.4	62.6	62.0	54.6
70°	2029.5	1945.8	1901.1	1836.0	1533.7	218.3	66.3	62.3	67.9	66.0	55.5
72.5°	1592.8	1529.6	1461.7	1416.5	1200.7	138.0	55.8	63.0	70.0	67.0	58.0
75°	592.8	610.0	582.1	572.1	610.0	80.9	49.6	58.6	62.6	58.0	52.7
77.5°	119.7	114.4	108.6	107.3	138.6	50.0	45.6	50.9	48.1	42.5	42.8
80°	57.4	55.8	54.0	53.7	51.4	41.6	42.1	43.4	36.3	32.8	35.1
82.5°	38.1	36.0	35.3	34.1	34.7	37.2	40.0	37.2	27.9	26.0	31.6
85°	17.7	17.0	16.7	16.7	18.6	33.5	33.2	27.3	19.3	18.6	31.6
87.5°	4.4	4.4	4.7	4.4	4.9	10.0	8.7	8.4	7.2	8.1	14.9
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: P180458

CATALOG NUMBER: ICM-E01-LED-E1-SL2

**CANDELA DISTRIBUTION (continued):**

	165°	175°	180°
0°	295.8	295.8	295.8
2.5°	298.0	298.3	298.0
5°	300.7	300.7	300.7
7.5°	300.7	299.8	299.5
10°	296.5	293.7	293.7
12.5°	289.0	284.4	283.7
15°	275.1	268.8	267.9
17.5°	257.4	249.0	247.4
20°	237.5	227.0	225.1
22.5°	215.8	203.7	202.8
25°	194.4	182.0	179.5
27.5°	170.5	158.4	157.2
30°	146.7	136.1	135.5
32.5°	126.5	120.0	118.8
35°	112.3	108.6	107.0
37.5°	103.0	100.2	99.8
40°	95.8	93.3	93.0
42.5°	90.0	87.7	87.4
45°	84.0	82.1	81.6
47.5°	78.1	76.3	76.0
50°	72.8	70.4	70.0
52.5°	67.9	65.4	64.8
55°	63.3	60.7	60.7
57.5°	59.3	56.7	56.5
60°	55.5	53.0	52.7
62.5°	52.7	49.6	49.3
65°	50.5	47.4	46.8
67.5°	49.3	45.6	44.7
70°	51.4	44.7	43.1
72.5°	51.8	43.7	41.6
75°	50.0	41.2	39.7
77.5°	43.7	36.9	35.3
80°	37.9	28.6	26.3
82.5°	36.0	23.3	20.2
85°	27.9	15.2	14.2
87.5°	15.8	8.4	6.8
90°	0.0	0.0	0.0

(END OF REPORT)