

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: P180571

Luminaire Tested: **ICM-F02-LED-E1-SL3-HSS-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180571  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33727)  
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-SL3-HSS-8030  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD  
Light Source: (14) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

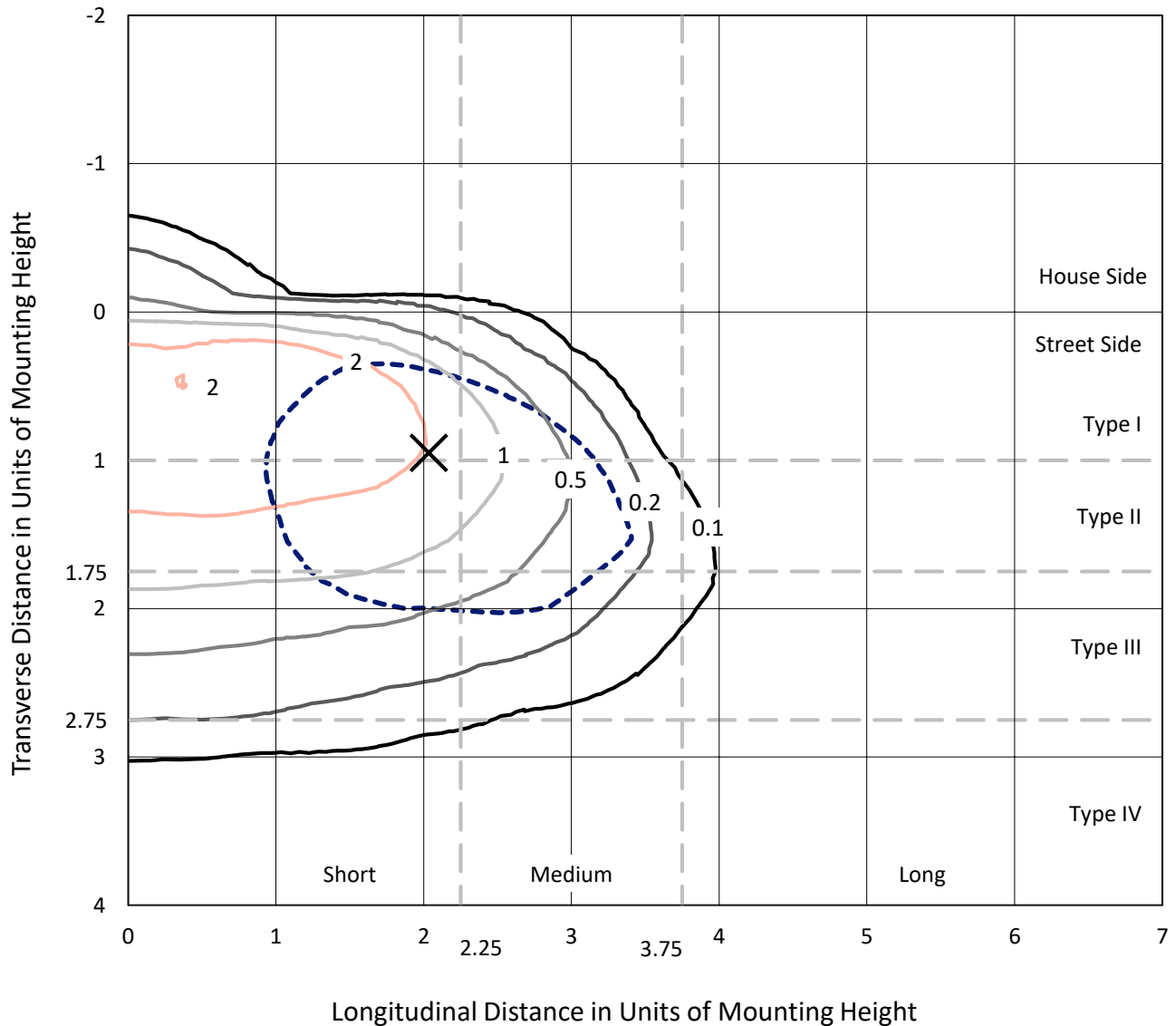
Lumens per Lamp: N/A  
Luminaire Lumens: 2247.5 lumens  
Efficiency: N/A  
Efficacy: 40.9 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G1  
  
Input Watts (W): 55  
Input Voltage (V): NR  
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: P180571  
 CATALOG NUMBER: ICM-F02-LED-E1-SL3-HSS-8030

### Iso-Footcandle Lines of Horizontal Illumination

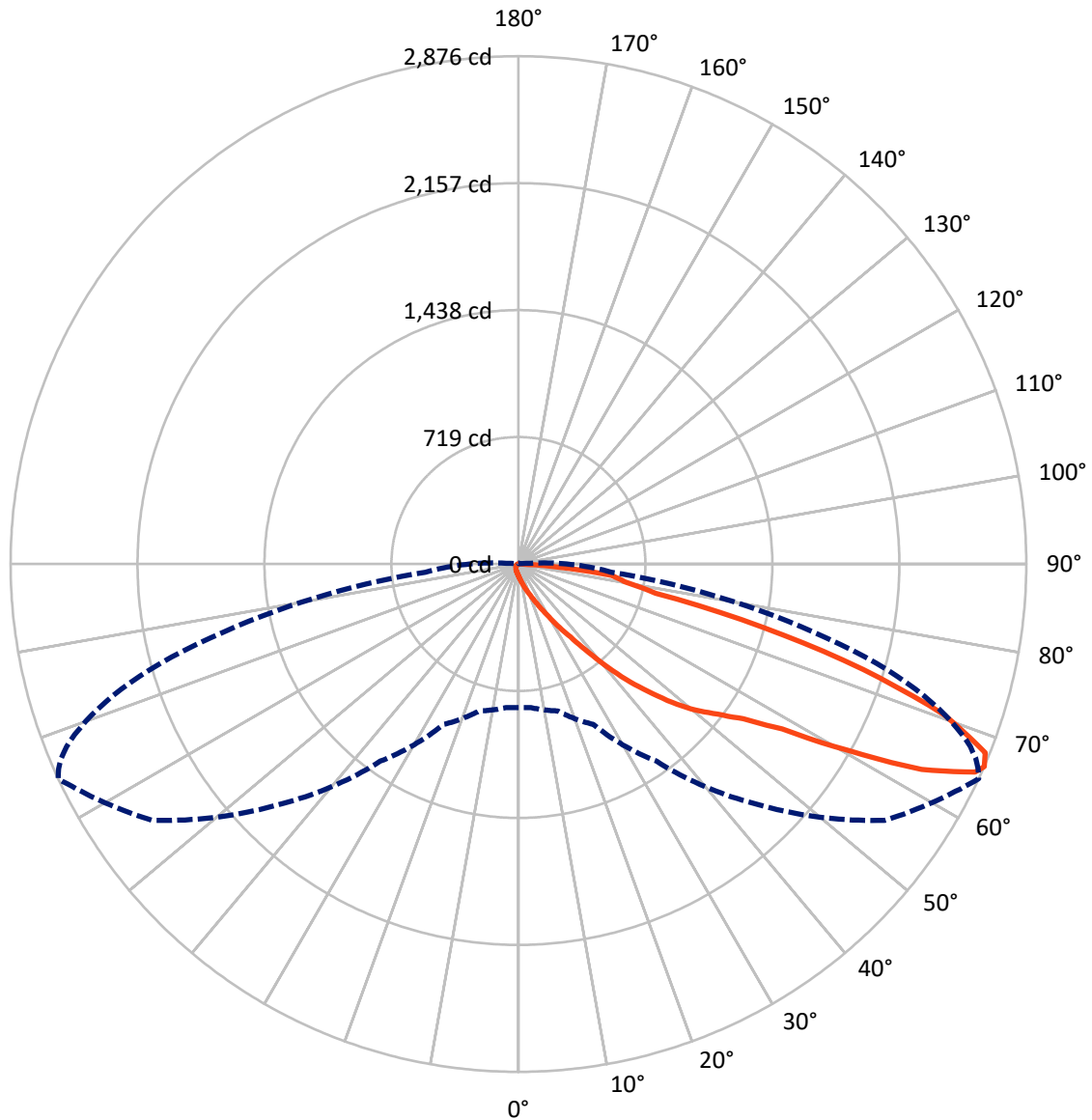
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.7 fc  
 Type III - Short - Non-Cutoff

REPORT NUMBER: P180571  
CATALOG NUMBER: ICM-F02-LED-E1-SL3-HSS-8030

### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical

REPORT NUMBER: P180571

CATALOG NUMBER: ICM-F02-LED-E1-SL3-HSS-8030

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	48.7	0.0	48.7
	% Fixture	2.2	0.0	2.2
<b>Street Side</b>	Lumens	2198.8	0.0	2198.8
	% Fixture	97.8	0.0	97.8
<b>Total</b>	Lumens	2247.5	0.0	2247.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.6	0.3
10°-20°	32.2	1.4
20°-30°	69.5	3.1
30°-40°	148.3	6.6
40°-50°	328.0	14.6
50°-60°	555.8	24.7
60°-70°	741.7	33.0
70°-80°	326.7	14.5
80°-90°	37.6	1.7
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°	2247.5	100.0
0°-180°	2247.5	100.0



REPORT NUMBER: P180571

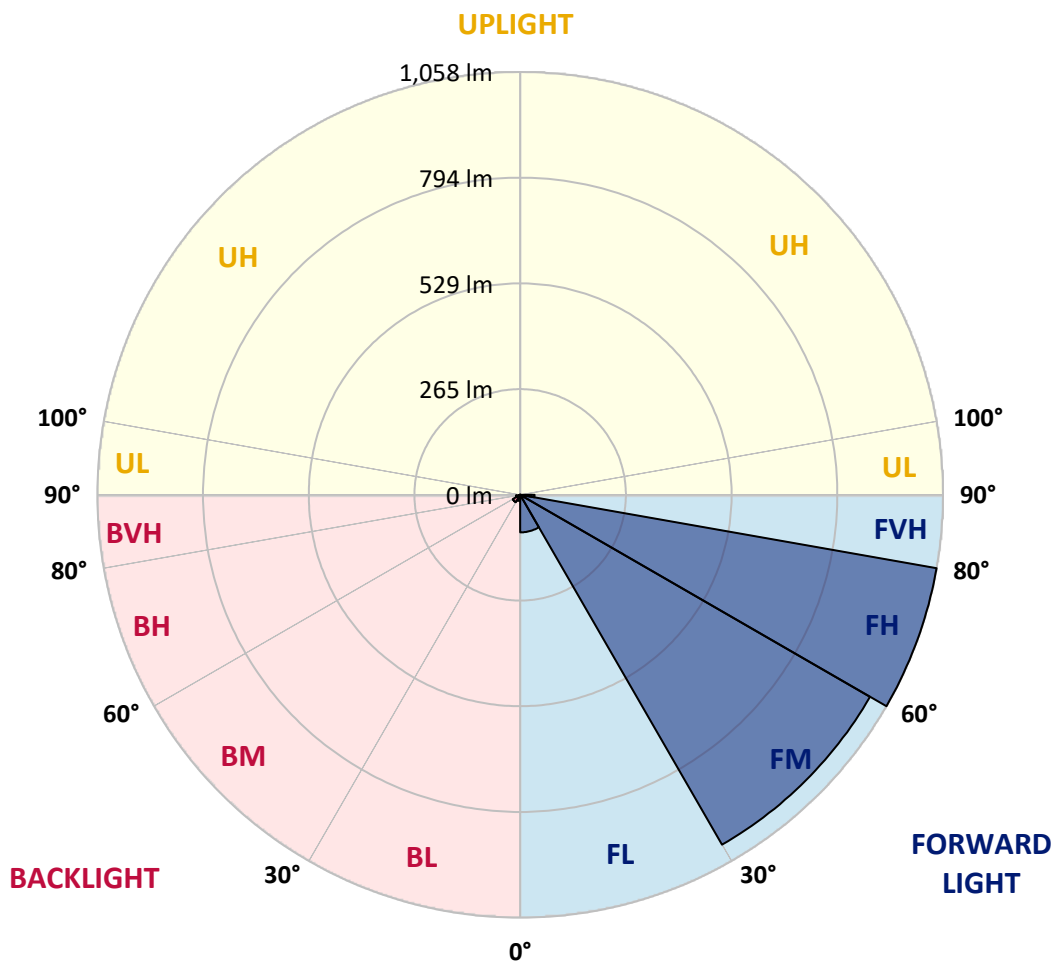
CATALOG NUMBER: ICM-F02-LED-E1-SL3-HSS-8030

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	93.9	4.2			
FM (30°-60°)	1010.8	45.0			
FH (60°-80°)	1058.0	47.1			G1/1800
FVH (80°-90°)	36.1	1.6			G1/100
BL (0°-30°)	15.4	0.7	B0/110		
BM (30°-60°)	21.4	1.0	B0/220		
BH (60°-80°)	10.4	0.5	B0/110		G0/110
BVH (80°-90°)	1.5	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**

Type III Short





REPORT NUMBER: P180571

CATALOG NUMBER: ICM-F02-LED-E1-SL3-HSS-8030

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
2.5°	85.6	85.1	83.3	83.3	80.8	79.1	76.9	74.8	74.8	74.3	73.9
5°	113.2	110.6	110.1	105.4	101.6	95.9	90.7	83.8	83.0	82.1	81.7
7.5°	143.9	143.4	139.5	134.0	126.1	115.8	105.4	94.2	92.5	91.6	89.9
10°	183.6	181.5	176.3	166.8	155.2	141.3	124.5	106.7	104.6	102.8	102.0
12.5°	221.7	217.8	214.8	202.6	188.0	167.6	147.3	121.9	120.1	118.0	114.5
15°	257.1	253.7	248.5	238.0	221.7	196.2	172.4	141.3	136.9	134.0	131.3
17.5°	284.7	282.6	276.6	264.8	247.2	224.7	196.2	161.2	157.7	153.9	149.0
20°	311.1	308.1	298.6	282.6	263.5	246.3	224.3	187.1	182.3	177.6	172.4
22.5°	336.2	333.1	317.6	291.3	270.9	263.5	255.8	216.5	209.1	205.2	200.1
25°	371.2	364.7	340.5	298.6	271.4	276.9	290.3	254.5	247.6	242.0	233.8
27.5°	418.2	409.6	371.6	309.4	273.1	291.6	330.1	300.7	293.4	286.9	277.9
30°	471.4	465.8	420.4	335.3	285.6	313.3	374.6	359.5	350.9	343.1	332.3
32.5°	525.0	517.2	472.3	384.6	319.4	355.2	430.3	427.7	416.6	409.2	397.5
35°	572.1	568.2	534.9	465.4	396.2	428.7	504.7	507.7	497.8	490.0	477.0
37.5°	604.1	604.1	597.6	552.2	518.5	542.7	614.0	614.4	604.5	586.8	580.3
40°	620.5	625.2	648.6	657.2	655.4	686.6	757.5	749.7	741.5	732.4	710.8
42.5°	654.1	658.5	708.2	767.8	806.7	847.7	896.6	894.0	884.0	867.6	847.7
45°	711.3	716.8	776.0	870.6	950.6	1008.9	1040.0	1027.9	1018.0	1002.4	992.1
47.5°	783.8	794.6	861.6	978.7	1075.1	1171.4	1203.8	1171.8	1163.2	1151.1	1134.2
50°	861.1	871.5	942.8	1076.8	1185.7	1300.6	1354.6	1300.6	1288.0	1284.2	1265.1
52.5°	928.1	936.7	1005.5	1152.4	1270.3	1405.1	1483.8	1412.5	1403.5	1390.4	1376.7
55°	967.9	974.8	1039.2	1188.7	1327.8	1499.4	1608.7	1546.0	1532.6	1527.5	1507.5
57.5°	981.3	988.2	1046.1	1193.4	1358.9	1585.3	1760.3	1762.5	1746.5	1727.9	1721.9
60°	981.3	989.0	1037.9	1181.8	1389.1	1676.9	1962.5	2142.7	2108.1	2104.7	2082.6
62.5°	940.7	948.0	997.2	1145.9	1429.8	1800.5	2244.3	2562.2	2552.3	2529.9	2493.6
65°	852.5	856.8	905.2	1054.3	1414.2	1914.2	2488.4	2841.4	2825.4	2781.3	2734.7
66°	812.7	816.2	861.6	1002.1	1363.3	1929.7	2531.6	2876.4	2850.1	2812.9	2760.2
67.5°	755.3	761.3	793.3	904.7	1240.9	1875.7	2504.4	2851.7	2828.9	2783.9	2731.2
70°	504.3	499.9	612.7	694.3	945.4	1528.3	2246.8	2560.6	2560.9	2539.8	2518.6
72.5°	239.4	242.0	274.8	427.4	618.8	1021.0	1788.4	2043.7	2073.1	2035.1	2008.8
75°	172.0	175.8	195.7	261.4	369.0	612.7	1159.3	1429.3	1430.2	1362.8	1302.7
77.5°	50.1	52.3	73.5	161.2	276.6	413.5	665.9	794.6	776.0	727.6	682.2
80°	20.7	20.7	21.6	51.4	111.1	280.8	465.8	611.8	609.7	591.1	564.3
82.5°	7.8	8.2	10.3	21.2	26.3	69.1	310.7	531.1	529.8	503.4	484.4
85°	0.8	0.8	2.6	9.1	10.0	12.9	62.2	234.2	232.9	234.2	205.2
87.5°	0.0	0.0	0.5	0.8	1.3	1.8	2.6	9.1	10.0	9.5	8.7
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: P180571

CATALOG NUMBER: ICM-F02-LED-E1-SL3-HSS-8030

**CANDELA DISTRIBUTION (continued):**

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
2.5°	73.9	73.0	73.0	72.6	72.6	72.6	72.2	71.7	71.7	71.3	70.9
5°	80.8	79.9	79.5	78.6	78.2	77.8	76.9	76.5	75.6	75.2	74.8
7.5°	89.0	87.3	86.9	85.6	84.3	83.3	82.5	81.2	80.4	78.6	78.2
10°	99.3	97.2	95.5	93.8	92.5	90.3	89.0	87.3	85.6	84.3	83.0
12.5°	112.7	109.8	107.2	105.4	102.4	99.8	97.2	95.9	92.5	90.7	88.6
15°	127.4	124.0	121.0	117.5	115.3	111.1	107.6	103.7	102.0	99.0	95.5
17.5°	146.5	140.8	136.1	132.7	128.4	124.0	120.1	116.2	111.1	107.6	103.3
20°	166.8	162.0	155.5	149.5	144.3	139.2	133.5	128.4	123.5	118.0	112.7
22.5°	192.7	185.8	178.0	172.0	165.0	159.4	151.6	144.7	136.9	129.6	123.5
25°	225.6	216.5	209.1	200.5	192.3	183.6	174.1	165.5	155.5	148.7	138.2
27.5°	266.1	257.5	247.6	236.4	228.2	215.2	202.6	191.8	180.2	169.4	157.7
30°	318.0	305.5	295.1	284.3	267.9	255.4	240.7	226.0	210.0	199.2	181.5
32.5°	380.3	366.9	351.3	335.7	320.7	302.9	284.7	266.6	248.8	229.0	210.9
35°	456.3	440.3	422.6	405.8	382.4	363.4	340.5	315.4	295.5	272.7	249.8
37.5°	556.9	530.6	515.1	497.3	465.8	439.9	414.3	389.3	354.3	330.1	297.7
40°	683.2	667.5	642.1	613.6	585.0	550.9	516.4	483.1	442.4	408.7	371.2
42.5°	831.4	808.5	782.5	741.5	712.5	672.3	633.0	588.9	539.3	496.0	452.0
45°	970.4	943.3	923.4	882.3	852.1	804.6	757.0	710.3	652.8	597.1	546.1
47.5°	1120.8	1098.3	1065.5	1032.3	1001.6	948.0	896.6	840.0	779.4	713.4	647.3
50°	1253.0	1235.4	1212.8	1172.7	1138.5	1093.6	1033.1	971.4	894.9	829.2	754.0
52.5°	1365.4	1351.5	1320.0	1291.5	1260.8	1218.5	1164.5	1105.3	1022.7	950.6	865.0
55°	1498.1	1488.1	1460.5	1442.7	1415.5	1374.9	1324.4	1269.5	1182.1	1103.5	1006.8
57.5°	1715.4	1707.6	1683.5	1676.1	1649.3	1613.9	1551.6	1492.8	1390.9	1293.2	1182.6
60°	2075.3	2059.7	2024.3	2006.2	1949.6	1902.1	1821.2	1740.5	1617.3	1492.8	1359.8
62.5°	2460.8	2417.1	2349.7	2291.8	2211.5	2128.9	2020.8	1897.3	1752.9	1605.2	1452.3
65°	2668.6	2594.2	2509.1	2417.1	2312.9	2191.5	2055.5	1907.3	1752.1	1596.1	1434.5
66°	2692.3	2608.5	2518.2	2415.8	2300.0	2170.8	2032.6	1876.9	1715.8	1563.7	1402.1
67.5°	2662.5	2574.8	2479.3	2365.7	2240.4	2106.4	1961.2	1799.6	1644.6	1490.2	1333.0
70°	2453.8	2366.5	2281.4	2161.7	2028.2	1893.4	1756.0	1575.4	1428.5	1286.8	1146.8
72.5°	1959.5	1900.3	1816.1	1713.7	1583.6	1425.5	1311.0	1149.3	1021.9	884.5	776.0
75°	1224.6	1141.1	1037.0	906.5	807.2	678.8	611.8	489.1	416.6	353.0	291.6
77.5°	626.1	563.4	490.4	416.9	346.5	276.6	213.9	151.3	102.0	70.9	52.7
80°	517.2	461.9	401.4	334.4	272.2	211.3	152.1	103.7	66.1	43.2	33.7
82.5°	427.4	380.7	326.7	264.5	210.4	166.0	115.3	75.2	46.7	30.2	23.7
85°	182.0	165.0	127.4	101.1	76.1	56.2	39.3	26.3	18.6	15.2	13.9
87.5°	7.8	8.7	8.2	6.5	4.7	4.7	4.3	3.4	3.4	3.4	3.4
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: P180571

CATALOG NUMBER: ICM-F02-LED-E1-SL3-HSS-8030

**CANDELA DISTRIBUTION (continued):**

	80°	81°	82°	83°	84°	85°	95°	105°	115°	125°	135°
0°	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
2.5°	70.9	70.4	70.0	70.0	69.6	69.1	66.5	64.4	61.8	60.1	58.3
5°	73.9	73.5	72.6	72.2	71.3	70.9	65.2	60.5	56.6	53.6	51.4
7.5°	76.9	76.5	75.2	73.9	73.5	72.6	63.5	57.5	52.3	48.8	46.7
10°	80.8	79.5	78.2	76.5	75.2	73.9	61.8	54.0	48.4	45.4	43.2
12.5°	86.4	84.3	82.1	79.9	78.2	76.1	60.9	51.0	45.4	42.0	39.7
15°	92.9	89.9	87.3	84.7	81.7	79.5	59.2	48.4	42.8	39.3	36.7
17.5°	99.0	95.5	91.6	87.7	84.7	81.7	57.5	45.8	40.2	36.7	34.1
20°	107.6	102.4	97.7	92.9	88.6	84.7	54.9	43.2	38.0	34.1	31.5
22.5°	117.1	111.1	105.0	98.5	92.9	87.7	52.7	41.0	35.9	32.0	28.9
25°	129.2	121.9	113.7	105.4	99.0	92.0	50.5	38.9	33.7	29.8	26.8
27.5°	146.0	135.6	126.6	116.2	106.3	98.5	48.8	37.1	31.5	27.6	24.7
30°	168.9	153.9	139.5	128.4	116.7	105.4	47.1	35.0	29.8	25.5	22.0
32.5°	194.4	176.7	160.3	143.4	128.7	115.8	45.4	33.3	27.6	23.3	20.3
35°	226.0	203.5	181.5	162.0	144.3	127.1	43.6	31.5	26.0	21.2	18.1
37.5°	271.4	243.3	214.3	189.2	166.3	143.4	42.3	29.8	23.7	19.0	16.0
40°	333.6	297.3	261.9	227.7	197.9	169.4	40.7	28.1	22.0	17.3	14.2
42.5°	400.9	356.9	310.2	271.8	230.7	194.9	38.9	26.3	20.3	15.5	12.6
45°	484.8	430.0	373.3	321.0	270.9	224.7	37.1	24.7	18.1	13.9	10.8
47.5°	576.4	506.4	442.4	376.7	317.1	261.9	35.0	23.3	16.5	12.1	9.5
50°	670.6	596.7	515.9	441.1	370.3	299.0	32.8	21.2	14.7	10.8	7.8
52.5°	772.1	684.8	602.3	509.4	426.9	347.8	30.7	19.4	13.4	9.5	6.5
55°	901.3	803.7	706.9	602.8	503.4	404.5	28.6	17.3	11.6	8.2	5.2
57.5°	1063.8	948.0	829.2	711.6	591.1	478.8	26.8	15.2	10.0	6.9	4.3
60°	1217.2	1082.0	938.1	802.8	666.7	535.8	24.2	13.4	8.7	5.6	4.3
62.5°	1296.7	1142.4	987.4	838.2	693.0	556.1	21.6	11.3	7.3	4.7	3.9
65°	1277.2	1120.0	969.6	819.3	677.1	543.2	19.0	10.0	6.5	4.3	3.9
66°	1249.1	1093.6	942.4	799.4	663.7	529.3	17.7	9.5	6.0	4.3	3.4
67.5°	1187.8	1037.4	893.1	760.0	627.0	503.0	16.0	8.7	5.6	3.9	3.4
70°	1014.5	878.0	762.6	644.3	535.8	423.9	12.9	7.3	4.7	3.4	3.4
72.5°	671.4	578.6	501.7	431.6	360.7	280.0	10.8	6.0	3.9	3.4	3.1
75°	253.2	229.0	196.6	176.7	154.2	135.3	8.7	3.9	3.1	3.1	3.1
77.5°	44.9	41.5	36.7	33.7	31.1	28.6	6.9	2.6	2.6	3.1	3.1
80°	30.2	28.1	25.5	23.3	21.6	19.4	4.7	2.1	2.6	2.6	3.1
82.5°	21.6	20.3	19.0	17.3	16.0	14.2	3.1	2.1	2.6	2.6	2.6
85°	12.9	12.1	11.3	10.3	9.1	8.7	2.1	2.1	2.1	2.6	2.6
87.5°	3.4	3.1	3.4	3.4	2.6	3.1	1.8	1.8	1.8	2.1	2.1
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: P180571

CATALOG NUMBER: ICM-F02-LED-E1-SL3-HSS-8030

**CANDELA DISTRIBUTION (continued):**

	145°	155°	165°	175°	180°
0°	67.8	67.8	67.8	67.8	67.8
2.5°	57.5	57.5	56.6	57.9	57.9
5°	49.7	49.7	49.3	49.7	49.7
7.5°	45.4	44.9	44.9	44.9	45.4
10°	41.5	41.0	41.0	41.0	41.0
12.5°	38.0	37.6	37.1	37.6	37.6
15°	35.0	34.1	34.1	34.1	34.1
17.5°	32.4	31.5	31.1	31.1	31.1
20°	29.8	28.6	28.6	28.6	28.6
22.5°	27.3	26.0	26.0	26.0	26.0
25°	24.7	23.3	23.3	23.3	23.3
27.5°	22.5	21.2	21.2	21.2	21.2
30°	19.9	19.0	19.0	19.4	19.0
32.5°	18.1	16.8	16.8	17.3	17.3
35°	16.0	15.2	15.2	15.2	15.2
37.5°	13.9	12.9	12.9	12.9	12.9
40°	12.1	11.3	10.8	11.3	11.3
42.5°	10.3	9.5	9.1	9.1	9.1
45°	9.1	7.8	7.3	7.8	7.8
47.5°	7.3	6.5	6.5	6.9	6.9
50°	5.6	5.6	6.0	6.9	6.9
52.5°	5.2	5.2	6.0	6.9	6.9
55°	4.7	5.2	6.0	6.5	6.9
57.5°	4.3	5.2	6.0	6.5	6.5
60°	4.3	4.7	5.6	6.5	6.5
62.5°	3.9	4.3	5.2	6.0	6.0
65°	3.9	4.3	5.2	6.0	6.0
66°	3.9	4.3	5.2	6.0	6.0
67.5°	3.9	4.3	5.2	6.0	6.0
70°	3.9	4.3	5.2	5.6	5.6
72.5°	3.4	3.9	4.7	5.6	5.6
75°	3.4	3.9	4.7	5.6	5.6
77.5°	3.4	3.9	4.7	5.6	5.6
80°	3.4	3.9	4.7	5.2	5.6
82.5°	3.1	3.9	4.3	5.2	5.2
85°	3.1	3.4	4.3	4.7	5.2
87.5°	2.6	3.1	3.4	4.3	4.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)