

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: P180263

Luminaire Tested: **ICM-F01-LED-E1-RW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180263
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33677)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-F01-LED-E1-RW
Description: ICON SITE MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (7) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2399 lumens
Efficiency: N/A
Efficacy: 92.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type I - Short - Full Cutoff
BUG Rating: B1 - U0 - G1

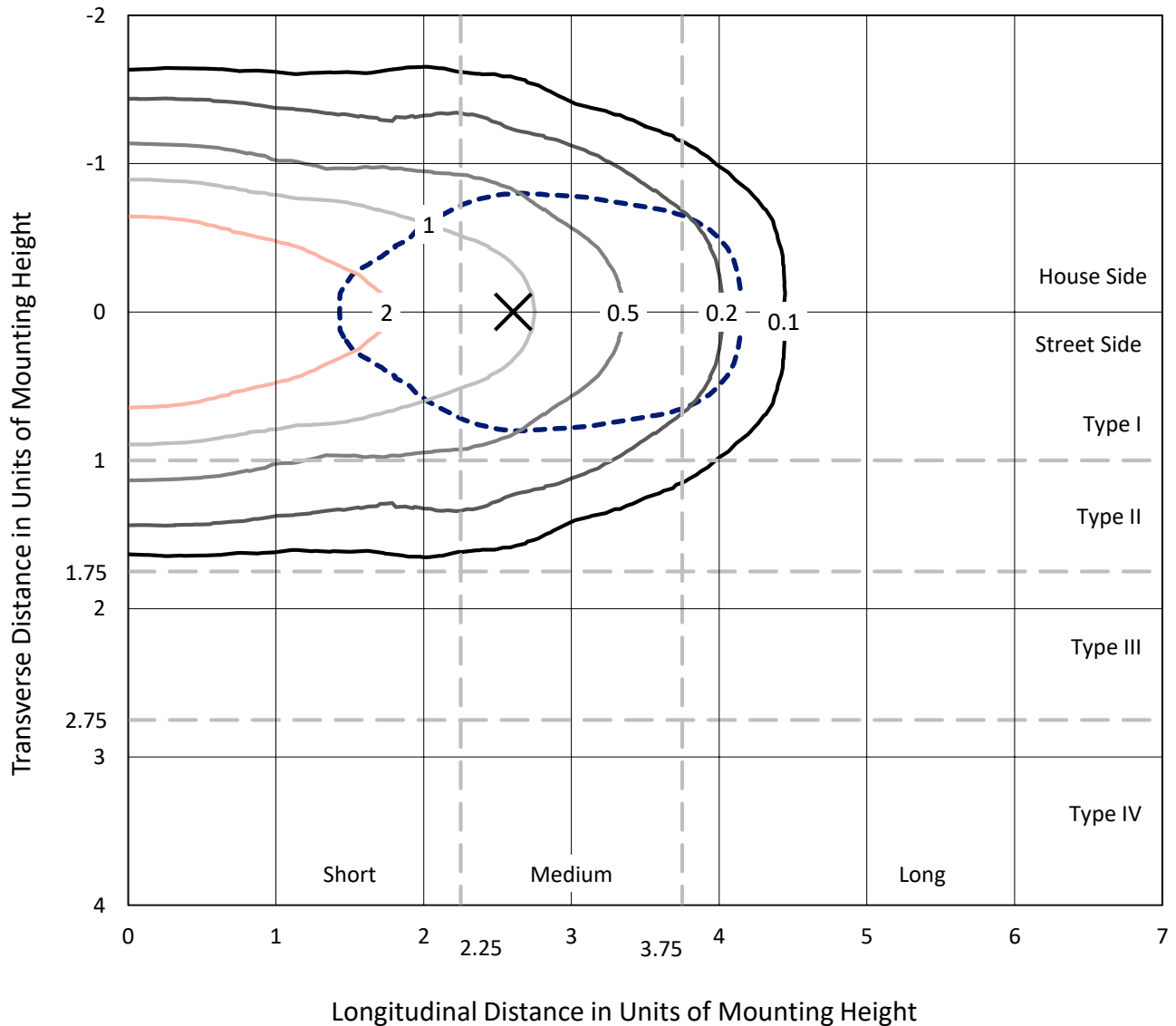
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P180263
 CATALOG NUMBER: ICM-F01-LED-E1-RW

Iso-Footcandle Lines of Horizontal Illumination

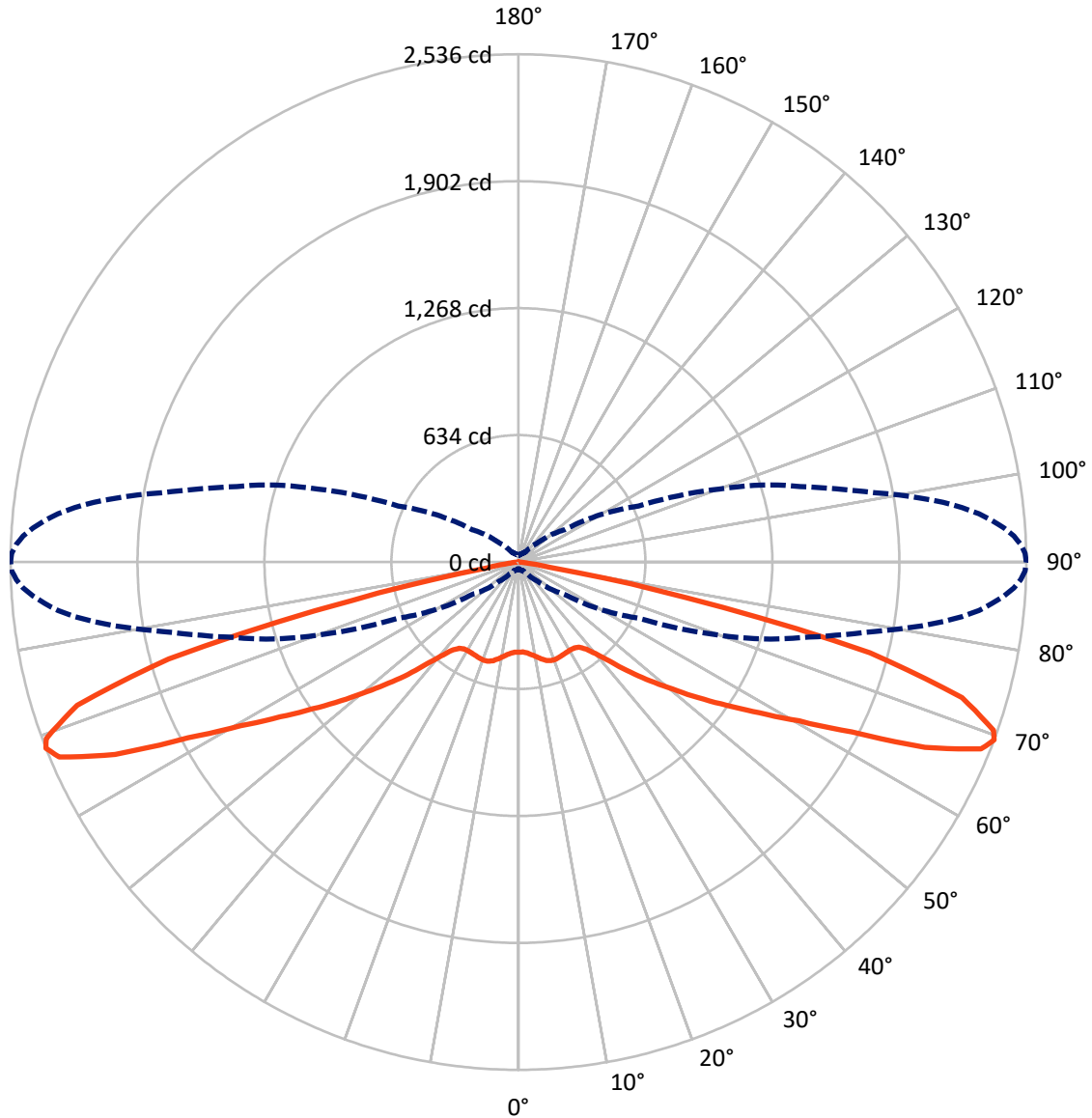
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.6 fc
 Type I - Short - Full Cutoff

REPORT NUMBER: P180263
CATALOG NUMBER: ICM-F01-LED-E1-RW

Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P180263

CATALOG NUMBER: ICM-F01-LED-E1-RW

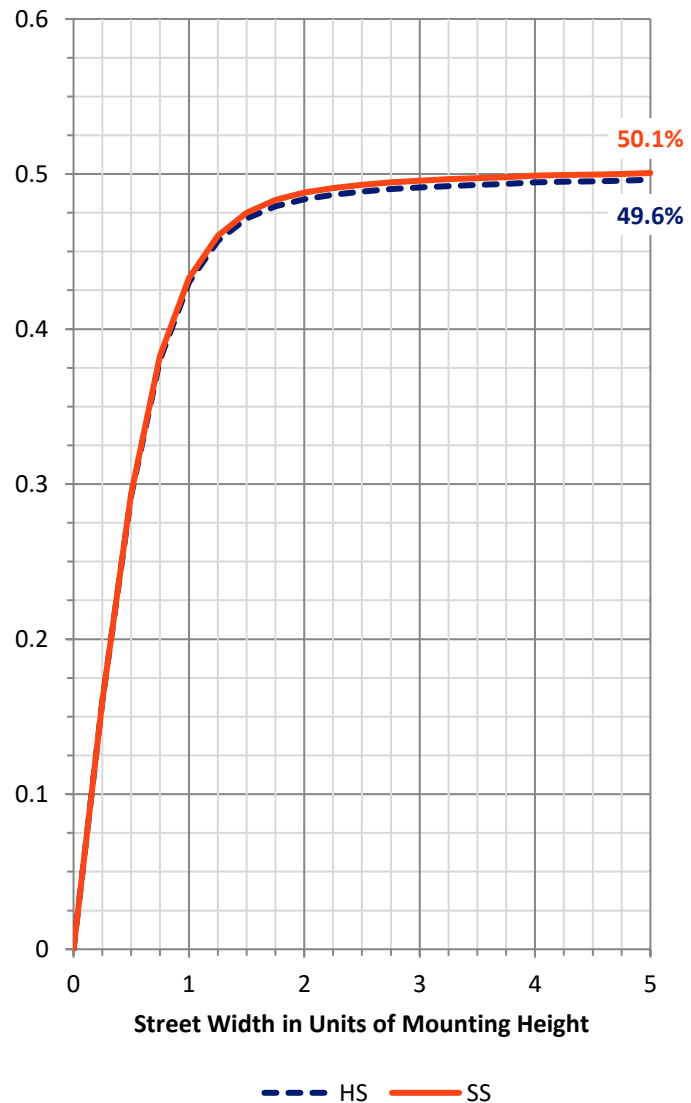
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1199.5	0.0	1199.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1199.5	0.0	1199.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	2399.0	0.0	2399.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.1	1.8
10°-20°	139.1	5.8
20°-30°	225.3	9.4
30°-40°	280.8	11.7
40°-50°	350.9	14.6
50°-60°	433.3	18.1
60°-70°	538.4	22.4
70°-80°	357.4	14.9
80°-90°	29.5	1.2
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°	2399.0	100.0
0°-180°	2399.0	100.0



REPORT NUMBER: P180263

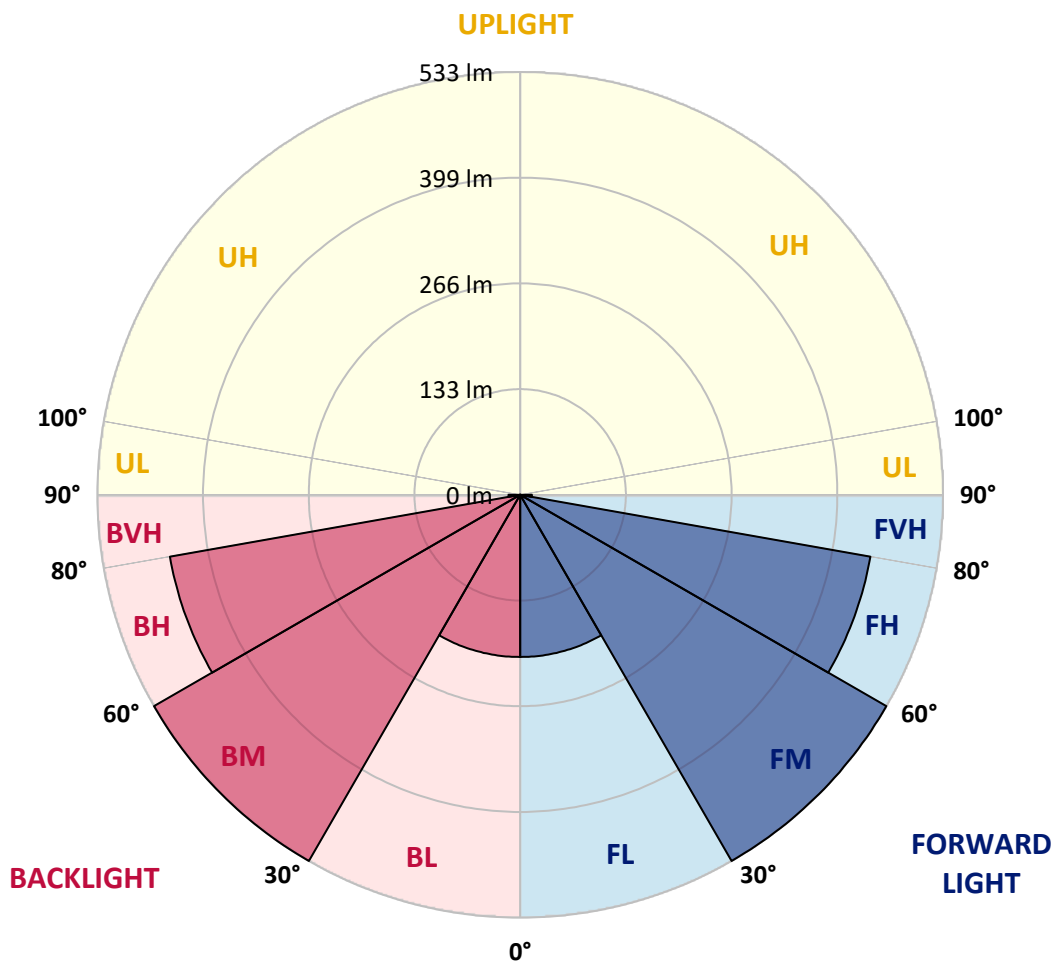
CATALOG NUMBER: ICM-F01-LED-E1-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	204.3	8.5			
FM (30°-60°)	532.5	22.2			
FH (60°-80°)	447.9	18.7			G0/660
FVH (80°-90°)	14.8	0.6			G1/100
BL (0°-30°)	204.3	8.5	B1/500		
BM (30°-60°)	532.5	22.2	B1/1000		
BH (60°-80°)	447.9	18.7	B1/500		G1/500
BVH (80°-90°)	14.8	0.6			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 I Short





REPORT NUMBER: P180263

CATALOG NUMBER: ICM-F01-LED-E1-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	449.5	449.5	449.5	449.5	449.5	449.5	449.5	449.5	449.5	449.5	449.5
2.5°	451.5	451.9	451.7	452.2	452.1	452.1	451.7	451.4	451.0	450.8	450.8
5°	455.8	455.4	456.2	456.9	456.7	456.7	456.7	456.7	456.4	456.4	456.4
7.5°	460.5	460.4	460.8	462.9	463.2	464.0	464.9	465.5	465.6	465.8	465.6
10°	464.5	464.6	465.9	468.8	470.3	472.7	475.2	477.2	477.9	478.3	478.2
12.5°	467.7	467.8	469.8	474.3	478.0	482.6	487.9	490.9	492.1	492.3	492.6
15°	467.9	468.3	471.6	479.3	486.6	494.1	500.5	504.4	505.4	506.0	506.1
17.5°	464.6	464.8	470.5	481.6	494.0	505.9	512.4	514.1	514.5	514.8	514.6
20°	455.8	456.6	464.5	481.0	499.9	515.4	522.0	519.6	518.4	518.2	518.1
22.5°	441.9	441.7	452.1	474.3	501.0	522.8	528.7	522.2	518.5	517.8	517.2
25°	419.1	420.6	432.7	459.4	494.5	524.4	533.4	523.7	518.3	517.0	515.6
27.5°	394.3	395.3	408.2	436.7	479.3	518.6	535.8	526.5	520.5	518.8	517.0
30°	365.6	366.7	380.5	410.3	454.9	503.8	535.1	533.0	525.8	523.8	521.7
32.5°	337.4	338.6	351.1	383.7	429.2	483.4	531.4	542.0	534.7	532.5	530.2
35°	308.2	310.1	325.2	358.3	404.3	460.7	525.4	553.7	549.6	547.6	545.7
37.5°	284.0	284.4	299.0	333.7	381.3	439.2	517.6	568.4	571.4	571.4	571.6
40°	256.9	259.4	274.0	310.6	360.4	420.8	510.1	588.4	603.6	606.5	608.7
42.5°	232.7	233.1	247.9	285.7	337.8	406.1	506.0	612.5	645.1	651.2	657.1
45°	207.4	208.4	221.8	258.2	311.6	388.7	506.0	640.2	692.4	702.4	711.7
47.5°	183.3	183.6	197.9	231.8	281.7	364.5	505.1	670.1	741.1	755.9	768.0
50°	160.2	159.9	173.8	206.5	252.1	332.5	497.3	703.8	793.6	810.4	825.3
52.5°	133.9	135.6	150.1	181.4	225.3	300.1	474.5	740.8	848.2	867.6	886.3
55°	108.1	108.8	124.3	153.5	198.0	270.0	434.8	774.9	901.4	923.5	944.4
57.5°	79.6	81.9	95.4	124.3	170.4	244.5	384.4	792.6	946.5	972.0	996.8
60°	56.2	58.0	70.0	94.1	140.0	217.7	340.9	782.7	982.9	1015.4	1045.0
62.5°	43.7	45.2	54.8	70.5	109.2	191.0	309.9	750.8	1023.2	1065.6	1106.1
65°	38.4	39.6	48.4	56.4	81.5	163.7	292.8	717.1	1077.2	1139.6	1196.2
67.5°	34.6	36.3	43.8	49.4	66.4	142.9	288.4	695.8	1103.6	1185.0	1261.2
69°	33.0	34.6	41.3	46.1	61.8	135.4	280.7	662.5	1067.9	1154.9	1238.1
70°	32.0	33.3	39.5	44.5	60.2	130.2	267.9	620.7	1018.9	1106.7	1193.6
72.5°	29.8	30.3	35.9	40.6	55.8	105.3	206.0	461.0	806.1	891.8	976.2
75°	26.2	27.0	32.2	36.7	43.5	65.4	130.4	285.2	542.8	606.6	684.9
77.5°	22.7	23.3	27.7	35.1	33.9	40.8	78.0	158.7	308.1	345.2	396.1
80°	18.1	19.0	22.9	34.8	27.9	31.7	56.0	111.0	151.3	162.3	174.6
82.5°	13.3	14.0	18.0	28.1	21.4	23.9	42.7	94.1	108.1	113.1	115.5
85°	6.8	6.9	11.3	17.1	13.6	12.5	24.0	64.4	73.4	74.6	76.5
87.5°	1.1	1.1	2.6	3.0	3.3	2.0	3.1	11.0	12.7	12.7	13.7
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: P180263

CATALOG NUMBER: ICM-F01-LED-E1-RW

CANDELA DISTRIBUTION (continued):

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	449.5	449.5	449.5	449.5	449.5	449.5	449.5	449.5	449.5	449.5	449.5
2.5°	451.0	450.9	451.0	451.1	451.3	450.7	450.6	450.6	450.5	450.8	450.5
5°	456.5	456.5	456.6	456.7	456.7	456.4	456.4	456.4	456.0	455.9	456.2
7.5°	465.9	465.8	465.5	465.9	466.1	466.2	466.5	466.2	466.1	466.0	466.2
10°	478.7	478.6	478.7	479.1	479.4	479.4	479.8	479.4	479.3	479.6	479.6
12.5°	493.0	492.8	493.4	493.7	494.0	494.8	494.4	494.9	494.6	495.3	495.2
15°	506.6	506.8	507.4	507.5	507.7	508.3	508.4	508.7	508.2	508.4	509.4
17.5°	515.0	514.9	515.4	515.5	515.8	516.2	516.7	517.0	516.8	516.8	517.4
20°	517.9	517.5	517.6	517.8	517.9	518.1	518.6	518.7	518.6	518.7	519.3
22.5°	516.5	515.8	515.2	515.2	515.3	515.2	515.4	515.6	515.9	516.2	516.8
25°	514.5	513.0	511.8	511.7	511.4	511.4	511.5	511.6	511.8	512.3	512.7
27.5°	514.7	512.7	510.8	510.1	509.4	508.9	508.7	508.5	508.7	509.2	509.7
30°	519.1	516.0	513.2	512.4	511.4	510.5	509.8	508.8	508.4	508.7	509.0
32.5°	526.9	523.8	521.1	519.6	518.2	516.7	515.3	514.4	513.2	512.9	512.7
35°	543.2	540.7	538.3	536.7	534.3	533.2	531.4	529.0	527.2	527.1	526.0
37.5°	570.9	569.7	567.9	566.2	565.5	562.2	560.2	558.9	556.8	558.1	556.0
40°	610.5	612.5	614.1	613.1	613.4	612.6	611.4	612.5	611.2	610.8	611.2
42.5°	661.4	668.1	672.8	674.3	678.1	679.5	682.3	686.7	685.8	690.6	691.5
45°	720.4	730.0	739.4	746.3	754.1	762.6	771.4	778.2	783.5	783.3	789.2
47.5°	780.5	794.7	807.3	817.8	831.4	844.2	858.1	872.2	882.4	886.3	887.6
50°	841.4	857.9	875.0	890.4	908.9	929.2	951.2	973.2	984.3	993.1	999.3
52.5°	905.2	924.0	942.2	964.1	987.0	1013.8	1041.2	1072.6	1089.2	1106.1	1115.0
55°	966.0	987.0	1005.8	1035.0	1063.0	1095.0	1130.9	1170.4	1199.3	1219.1	1236.7
57.5°	1021.0	1043.4	1066.5	1099.4	1135.3	1172.7	1218.1	1266.2	1297.5	1332.2	1363.2
60°	1075.0	1103.1	1129.7	1172.7	1215.3	1261.8	1318.3	1379.2	1427.7	1474.7	1510.5
62.5°	1146.4	1182.5	1215.5	1269.7	1325.2	1382.7	1450.1	1522.1	1592.4	1656.2	1704.4
65°	1251.9	1305.0	1354.4	1423.0	1493.2	1568.8	1649.2	1741.2	1825.6	1910.0	1979.1
67.5°	1332.0	1399.3	1462.7	1545.6	1628.2	1715.9	1813.0	1921.6	2026.2	2121.3	2205.5
69°	1316.3	1387.6	1456.2	1540.9	1626.8	1716.4	1814.3	1929.8	2038.5	2141.8	2232.2
70°	1268.4	1342.8	1413.9	1498.0	1584.9	1674.7	1777.3	1890.7	2001.9	2112.0	2203.2
72.5°	1051.3	1125.9	1194.9	1280.9	1368.5	1462.8	1559.9	1670.4	1789.2	1906.8	1986.8
75°	753.7	819.6	886.5	959.4	1044.8	1122.4	1211.4	1316.8	1416.6	1507.9	1569.0
77.5°	445.5	485.0	532.7	566.9	616.6	659.4	704.6	763.1	793.9	852.7	867.7
80°	181.5	180.4	187.5	180.5	182.0	176.4	170.2	169.1	159.4	171.5	162.6
82.5°	115.3	107.3	98.7	86.8	76.4	65.3	55.3	46.9	45.4	45.6	45.0
85°	76.0	72.5	64.7	54.4	44.4	35.6	28.5	22.5	22.3	21.9	21.8
87.5°	13.8	12.7	10.5	8.9	7.6	5.7	4.0	3.0	2.8	2.8	3.3
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: P180263

CATALOG NUMBER: ICM-F01-LED-E1-RW

CANDELA DISTRIBUTION (continued):

	84°	85°	86°	87°	88°	89°	90°
0°	449.5	449.5	449.5	449.5	449.5	449.5	449.5
2.5°	450.5	450.5	450.4	450.6	450.5	450.1	449.8
5°	456.4	455.9	456.3	456.7	456.0	456.2	455.9
7.5°	466.2	466.1	466.2	465.9	465.6	466.0	466.4
10°	480.1	479.8	479.7	480.1	479.8	479.6	479.7
12.5°	495.6	495.6	495.4	495.6	495.4	495.1	494.8
15°	509.2	509.5	509.6	509.2	509.1	509.0	509.1
17.5°	517.8	517.6	517.6	517.6	517.5	517.6	517.9
20°	519.8	519.5	519.4	519.8	519.5	519.8	519.9
22.5°	516.9	516.9	517.0	517.0	517.4	517.4	517.6
25°	513.2	513.2	513.3	513.5	513.5	513.7	513.8
27.5°	510.3	510.3	510.3	510.5	510.5	510.7	510.9
30°	509.4	509.4	509.3	509.4	509.5	509.6	509.7
32.5°	512.8	512.5	512.4	512.1	511.8	511.8	511.7
35°	525.0	523.9	524.1	523.4	523.5	523.0	522.4
37.5°	554.6	553.6	552.4	550.9	550.0	551.1	551.2
40°	609.9	610.5	607.7	606.9	605.3	606.3	607.9
42.5°	692.1	692.8	693.3	689.1	688.9	688.0	685.5
45°	789.4	787.7	788.4	786.5	785.7	782.9	786.3
47.5°	892.5	893.6	888.9	887.4	890.2	885.6	886.2
50°	1002.6	1003.0	999.4	998.7	1001.1	992.4	996.6
52.5°	1121.5	1121.9	1124.7	1121.5	1122.7	1120.7	1124.8
55°	1247.8	1257.4	1258.2	1261.8	1262.0	1266.2	1262.0
57.5°	1380.5	1391.4	1401.7	1415.5	1418.6	1416.9	1419.6
60°	1540.3	1568.9	1584.2	1606.1	1609.6	1619.1	1610.9
62.5°	1749.8	1794.2	1827.7	1844.6	1854.8	1874.6	1868.1
65°	2042.6	2095.5	2146.4	2170.7	2197.6	2225.7	2230.8
67.5°	2282.4	2341.2	2394.2	2436.3	2469.0	2489.8	2491.5
69°	2312.4	2374.9	2430.6	2477.4	2509.4	2530.6	2536.2
70°	2285.4	2349.2	2408.4	2453.0	2488.6	2510.2	2517.8
72.5°	2070.7	2146.8	2194.2	2239.6	2289.9	2296.4	2317.1
75°	1639.2	1707.4	1753.9	1765.8	1792.1	1825.1	1813.3
77.5°	855.0	884.7	894.5	873.5	872.6	891.8	853.4
80°	162.8	163.1	160.4	159.3	161.3	159.3	156.7
82.5°	46.0	45.3	44.9	46.0	45.8	45.8	46.6
85°	21.2	20.7	19.5	19.5	20.1	19.3	19.7
87.5°	3.0	2.4	2.4	2.4	2.3	2.3	2.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)