

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: P180261

Luminaire Tested: **ICM-F01-LED-E1-RW-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180261
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-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (7) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2024.7 lumens
Efficiency: N/A
Efficacy: 78.2 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

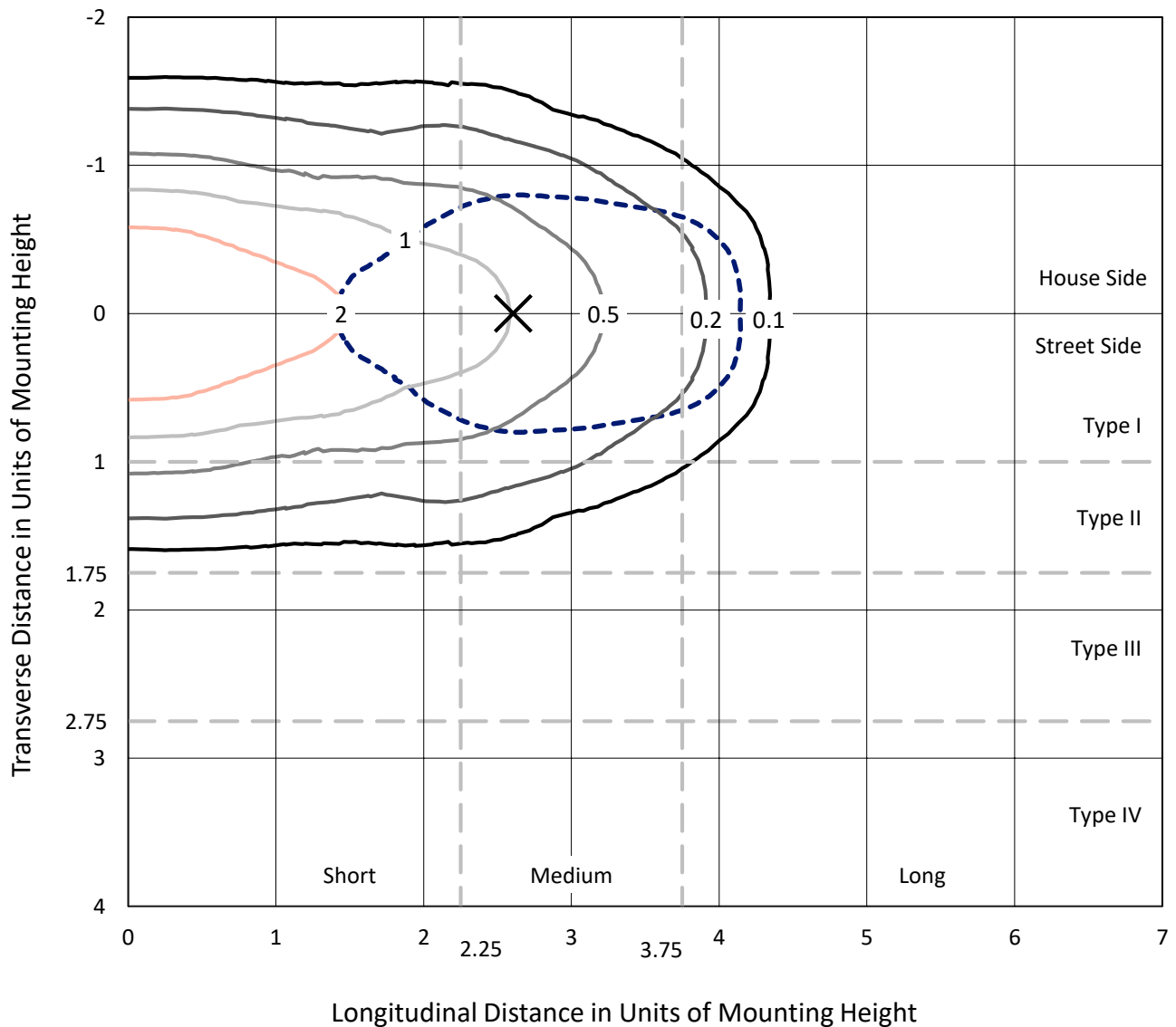
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P180261
 CATALOG NUMBER: ICM-F01-LED-E1-RW-8030

Iso-Footcandle Lines of Horizontal Illumination

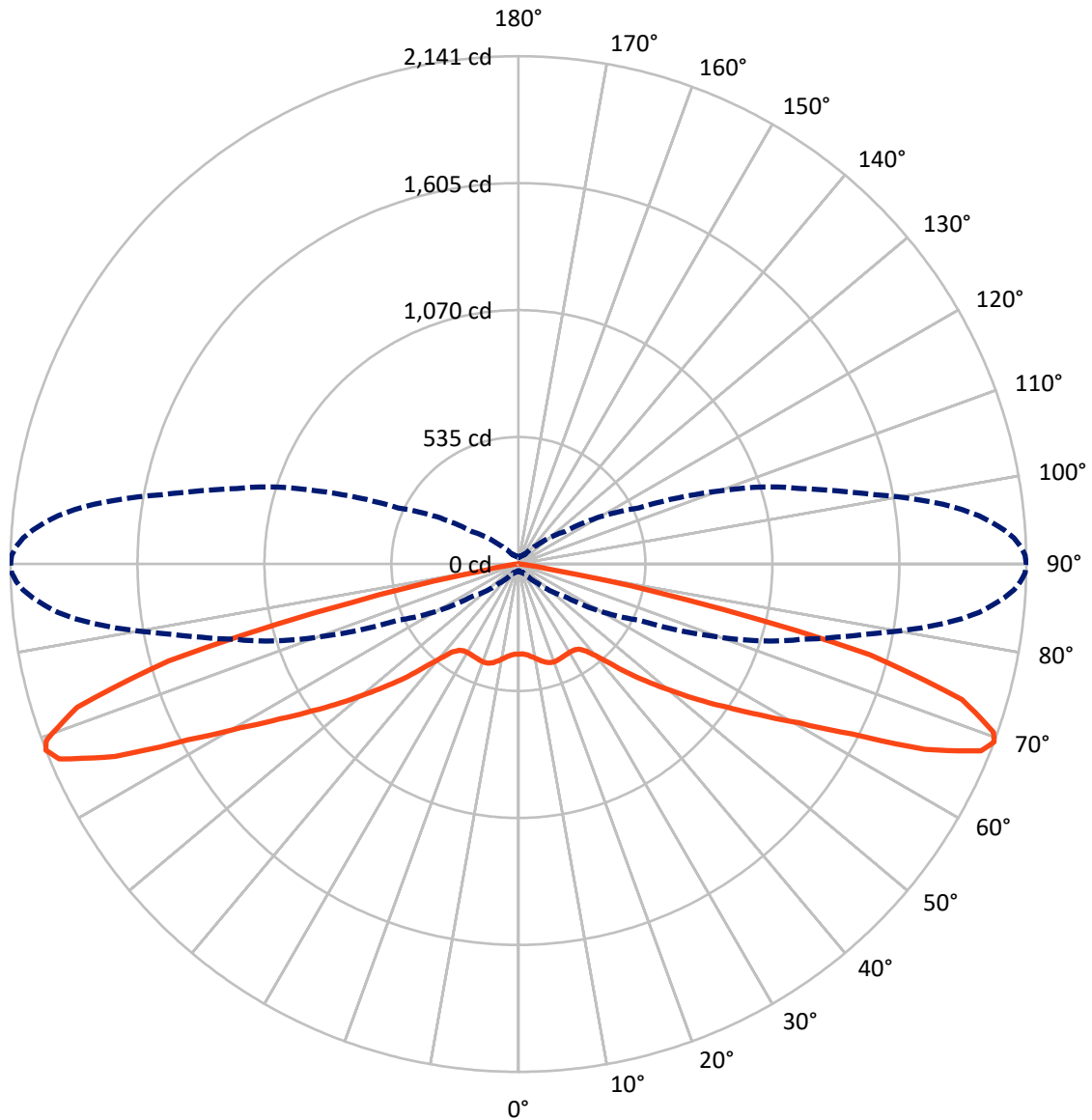
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P180261
CATALOG NUMBER: ICM-F01-LED-E1-RW-8030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P180261

CATALOG NUMBER: ICM-F01-LED-E1-RW-8030

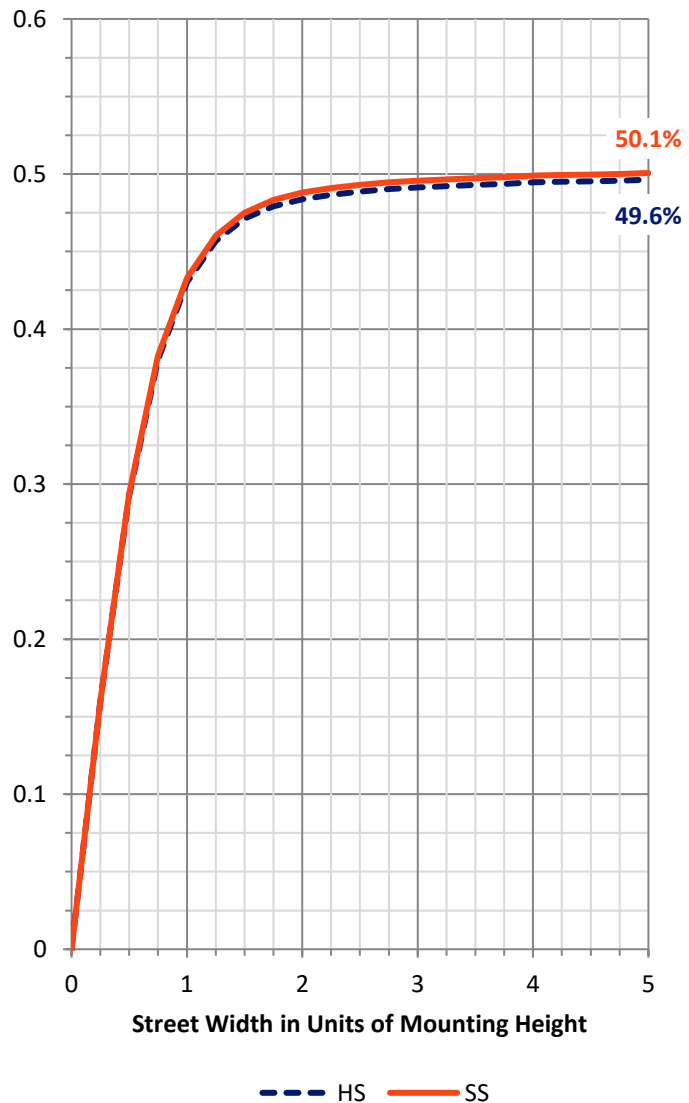
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1012.4	0.0	1012.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1012.4	0.0	1012.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	2024.7	0.0	2024.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.2	1.8
10°-20°	117.4	5.8
20°-30°	190.2	9.4
30°-40°	237.0	11.7
40°-50°	296.2	14.6
50°-60°	365.7	18.1
60°-70°	454.4	22.4
70°-80°	301.7	14.9
80°-90°	24.9	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°	2024.7	100.0
0°-180°	2024.7	100.0



REPORT NUMBER: P180261

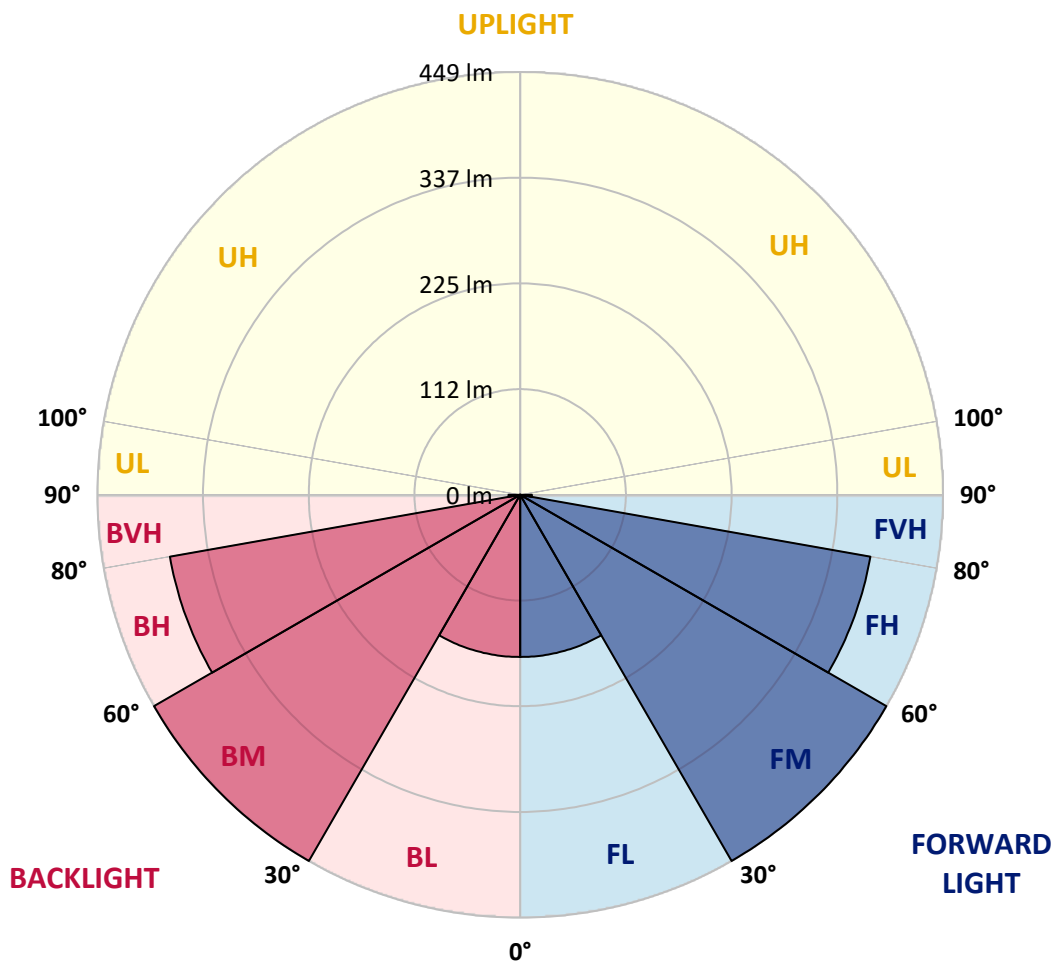
CATALOG NUMBER: ICM-F01-LED-E1-RW-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	172.4	8.5			
FM (30°-60°)	449.5	22.2			
FH (60°-80°)	378.1	18.7			G0/660
FVH (80°-90°)	12.5	0.6			G1/100
BL (0°-30°)	172.4	8.5	B1/500		
BM (30°-60°)	449.5	22.2	B1/1000		
BH (60°-80°)	378.1	18.7	B1/500		G1/500
BVH (80°-90°)	12.5	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: P180261

CATALOG NUMBER: ICM-F01-LED-E1-RW-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	379.4	379.4	379.4	379.4	379.4	379.4	379.4	379.4	379.4	379.4	379.4
2.5°	381.0	381.4	381.2	381.6	381.6	381.6	381.3	380.8	380.6	380.5	380.5
5°	384.7	384.4	384.9	385.7	385.5	385.5	385.4	385.4	385.2	385.2	385.2
7.5°	388.7	388.6	389.0	390.7	390.9	391.6	392.4	392.9	392.9	393.0	393.0
10°	392.0	392.2	393.2	395.7	397.0	399.1	401.1	402.7	403.4	403.7	403.6
12.5°	394.7	394.8	396.5	400.4	403.4	407.4	411.7	414.3	415.4	415.5	415.7
15°	395.0	395.3	398.0	404.5	410.7	417.1	422.3	425.7	426.6	427.2	427.3
17.5°	392.2	392.4	397.0	406.5	416.9	426.9	432.4	433.9	434.2	434.5	434.3
20°	384.7	385.3	392.0	406.0	422.0	434.9	440.7	438.5	437.6	437.4	437.3
22.5°	372.8	372.8	381.6	400.4	422.9	441.1	446.2	440.8	437.7	437.0	436.6
25°	353.7	355.0	365.2	387.7	417.4	442.6	450.2	442.0	437.4	436.4	435.2
27.5°	332.8	333.6	344.5	368.6	404.5	437.8	452.2	444.4	439.3	437.8	436.4
30°	308.5	309.5	321.1	346.3	383.9	425.1	451.6	449.8	443.8	442.0	440.3
32.5°	284.7	285.9	296.3	323.9	362.2	408.0	448.4	457.5	451.4	449.4	447.5
35°	260.1	261.8	274.4	302.3	341.2	388.8	443.4	467.4	463.9	462.2	460.6
37.5°	239.6	240.0	252.3	281.7	321.9	370.6	436.8	479.7	482.2	482.2	482.4
40°	216.9	219.0	231.3	262.1	304.2	355.2	430.6	496.6	509.5	511.8	513.7
42.5°	196.5	196.7	209.3	241.1	285.0	342.7	427.2	516.9	544.6	549.5	554.6
45°	175.0	175.8	187.2	218.0	263.1	328.1	427.0	540.3	584.4	592.8	600.7
47.5°	154.7	155.0	167.0	195.6	237.8	307.5	426.2	565.5	625.5	638.0	648.2
50°	135.3	134.9	146.7	174.2	212.8	280.6	419.7	594.1	669.8	684.0	696.6
52.5°	112.9	114.5	126.7	153.1	190.1	253.3	400.4	625.2	715.8	732.3	748.1
55°	91.2	91.8	104.9	129.5	167.1	227.8	367.0	654.0	760.7	779.4	797.0
57.5°	67.2	69.2	80.6	104.9	143.8	206.3	324.4	668.8	798.9	820.4	841.2
60°	47.4	48.9	59.1	79.4	118.1	183.7	287.8	660.6	829.5	856.9	882.1
62.5°	37.0	38.1	46.2	59.5	92.2	161.1	261.6	633.7	863.5	899.4	933.5
65°	32.4	33.5	40.8	47.6	68.8	138.2	247.2	605.3	909.1	961.9	1009.6
67.5°	29.3	30.5	36.9	41.7	56.1	120.6	243.4	587.3	931.4	1000.2	1064.5
69°	27.9	29.2	34.9	38.9	52.1	114.2	236.8	559.1	901.2	974.7	1044.9
70°	27.0	28.1	33.3	37.5	50.8	110.0	226.0	523.9	859.9	934.1	1007.4
72.5°	25.1	25.7	30.2	34.2	47.1	88.9	174.0	389.1	680.4	752.7	823.9
75°	22.1	22.8	27.2	31.0	36.7	55.3	110.0	240.7	458.1	512.0	578.1
77.5°	19.2	19.7	23.4	29.6	28.5	34.4	65.8	134.0	260.1	291.4	334.3
80°	15.3	16.0	19.3	29.4	23.5	26.8	47.3	93.7	127.7	137.0	147.3
82.5°	11.2	11.7	15.1	23.8	18.0	20.2	36.1	79.4	91.3	95.4	97.5
85°	5.8	5.8	9.7	14.5	11.4	10.5	20.3	54.3	62.0	63.0	64.6
87.5°	0.9	0.9	2.1	2.5	2.9	1.8	2.6	9.3	10.8	10.7	11.5
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: P180261

CATALOG NUMBER: ICM-F01-LED-E1-RW-8030

CANDELA DISTRIBUTION (continued):

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	379.4	379.4	379.4	379.4	379.4	379.4	379.4	379.4	379.4	379.4	379.4
2.5°	380.6	380.6	380.7	380.7	380.8	380.4	380.4	380.3	380.3	380.5	380.3
5°	385.3	385.2	385.3	385.5	385.4	385.2	385.1	385.2	384.9	384.7	384.9
7.5°	393.2	393.0	392.8	393.2	393.4	393.5	393.7	393.5	393.4	393.3	393.5
10°	404.0	404.0	404.0	404.4	404.7	404.7	404.9	404.7	404.6	404.7	404.7
12.5°	416.1	415.9	416.4	416.7	416.9	417.6	417.3	417.7	417.4	418.0	417.9
15°	427.5	427.7	428.3	428.5	428.5	429.0	429.0	429.4	429.0	429.0	430.0
17.5°	434.7	434.6	435.0	435.1	435.4	435.6	436.1	436.5	436.2	436.2	436.7
20°	437.1	436.7	436.8	437.0	437.0	437.3	437.7	437.8	437.8	437.8	438.2
22.5°	435.9	435.4	434.8	434.8	434.9	434.8	435.1	435.2	435.4	435.6	436.3
25°	434.2	433.0	432.0	431.9	431.6	431.6	431.7	431.8	432.0	432.3	432.7
27.5°	434.4	432.7	431.1	430.5	430.0	429.6	429.4	429.2	429.4	429.8	430.1
30°	438.1	435.5	433.1	432.5	431.6	430.9	430.2	429.5	429.0	429.4	429.6
32.5°	444.7	442.1	439.8	438.6	437.4	436.1	434.9	434.1	433.1	432.8	432.7
35°	458.4	456.5	454.3	453.0	451.0	450.0	448.6	446.5	444.9	444.8	443.9
37.5°	481.8	480.8	479.3	478.0	477.2	474.6	472.8	471.7	470.0	471.1	469.2
40°	515.3	516.9	518.3	517.5	517.8	517.0	516.0	517.0	515.8	515.5	515.7
42.5°	558.2	563.9	567.8	569.1	572.3	573.6	575.9	579.5	578.8	582.9	583.6
45°	608.0	616.1	624.0	630.0	636.4	643.7	651.0	656.7	661.3	661.1	666.1
47.5°	658.7	670.8	681.3	690.1	701.8	712.5	724.3	736.2	744.8	748.1	749.1
50°	710.1	724.0	738.4	751.4	767.2	784.3	802.9	821.4	830.7	838.2	843.4
52.5°	764.0	779.9	795.3	813.7	832.9	855.6	878.8	905.2	919.3	933.5	941.0
55°	815.3	833.0	848.8	873.5	897.1	924.2	954.4	987.9	1012.2	1028.9	1043.6
57.5°	861.8	880.7	900.1	928.0	958.1	989.7	1028.1	1068.7	1095.1	1124.3	1150.5
60°	907.3	931.0	953.4	989.8	1025.7	1064.9	1112.7	1164.1	1205.0	1244.7	1274.9
62.5°	967.5	998.1	1025.9	1071.6	1118.5	1167.0	1223.9	1284.6	1344.0	1397.8	1438.5
65°	1056.6	1101.5	1143.1	1201.0	1260.2	1324.1	1391.9	1469.6	1540.8	1612.0	1670.3
67.5°	1124.2	1181.0	1234.4	1304.5	1374.1	1448.2	1530.1	1621.8	1710.1	1790.3	1861.4
69°	1110.9	1171.2	1229.0	1300.6	1373.0	1448.6	1531.4	1628.8	1720.4	1807.6	1883.9
70°	1070.5	1133.3	1193.3	1264.2	1337.7	1413.4	1500.1	1595.7	1689.5	1782.5	1859.5
72.5°	887.2	950.2	1008.5	1081.1	1155.0	1234.6	1316.6	1409.8	1510.0	1609.3	1676.8
75°	636.1	691.8	748.3	809.7	881.8	947.4	1022.4	1111.3	1195.5	1272.6	1324.3
77.5°	376.0	409.3	449.6	478.5	520.4	556.5	594.6	644.0	670.0	719.6	732.4
80°	153.2	152.3	158.2	152.4	153.7	148.8	143.6	142.7	134.6	144.7	137.2
82.5°	97.3	90.5	83.3	73.3	64.4	55.2	46.6	39.5	38.3	38.5	38.0
85°	64.1	61.1	54.7	46.0	37.5	30.0	24.0	19.0	18.8	18.4	18.4
87.5°	11.6	10.8	8.8	7.5	6.4	4.7	3.3	2.5	2.4	2.4	2.8
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: P180261

CATALOG NUMBER: ICM-F01-LED-E1-RW-8030

CANDELA DISTRIBUTION (continued):

	84°	85°	86°	87°	88°	89°	90°
0°	379.4	379.4	379.4	379.4	379.4	379.4	379.4
2.5°	380.3	380.3	380.1	380.4	380.3	379.9	379.6
5°	385.2	384.7	385.1	385.5	384.9	385.0	384.7
7.5°	393.5	393.5	393.5	393.2	392.9	393.3	393.7
10°	405.2	405.0	404.8	405.2	405.0	404.7	404.8
12.5°	418.2	418.2	418.1	418.2	418.1	417.9	417.6
15°	429.8	430.0	430.0	429.8	429.8	429.6	429.7
17.5°	436.9	436.8	436.8	436.8	436.7	436.8	437.0
20°	438.8	438.5	438.5	438.7	438.5	438.7	438.8
22.5°	436.3	436.3	436.3	436.4	436.7	436.7	436.8
25°	433.1	433.1	433.1	433.4	433.4	433.5	433.6
27.5°	430.7	430.7	430.7	430.9	430.9	431.1	431.3
30°	430.0	430.0	429.8	430.0	430.0	430.0	430.1
32.5°	432.8	432.6	432.4	432.2	432.0	432.0	431.9
35°	443.1	442.2	442.3	441.7	441.9	441.3	440.9
37.5°	468.1	467.2	466.2	464.9	464.2	465.1	465.1
40°	514.8	515.3	512.9	512.3	510.9	511.8	513.1
42.5°	584.0	584.7	585.1	581.6	581.5	580.7	578.6
45°	666.2	664.7	665.4	663.8	663.1	660.7	663.7
47.5°	753.3	754.2	750.3	749.0	751.3	747.4	747.9
50°	846.2	846.4	843.5	842.9	844.9	837.6	841.0
52.5°	946.5	947.0	949.2	946.4	947.5	945.9	949.3
55°	1053.1	1061.2	1062.0	1064.9	1065.0	1068.7	1065.1
57.5°	1165.1	1174.3	1183.0	1194.8	1197.3	1195.9	1198.1
60°	1300.1	1324.1	1337.1	1355.5	1358.5	1366.5	1359.5
62.5°	1476.8	1514.2	1542.5	1556.8	1565.4	1582.1	1576.7
65°	1723.9	1768.6	1811.5	1832.0	1854.7	1878.5	1882.8
67.5°	1926.3	1976.0	2020.7	2056.2	2083.8	2101.4	2102.7
69°	1951.6	2004.3	2051.5	2091.0	2117.9	2135.8	2140.6
70°	1928.8	1982.7	2032.7	2070.3	2100.4	2118.6	2125.0
72.5°	1747.7	1811.9	1851.8	1890.2	1932.6	1938.2	1955.6
75°	1383.5	1441.0	1480.2	1490.4	1512.6	1540.5	1530.4
77.5°	721.6	746.7	755.0	737.3	736.4	752.7	720.3
80°	137.4	137.7	135.3	134.5	136.1	134.5	132.2
82.5°	38.8	38.2	38.0	38.8	38.7	38.5	39.3
85°	17.9	17.4	16.6	16.6	16.9	16.3	16.7
87.5°	2.5	2.0	2.0	2.0	2.0	2.0	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)