

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: P180258

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180258
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-E01-LED-E1-RW
Description: ICON SITE MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (21) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2906 lumens
Efficiency: N/A
Efficacy: 117.7 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: B2 - U0 - G2

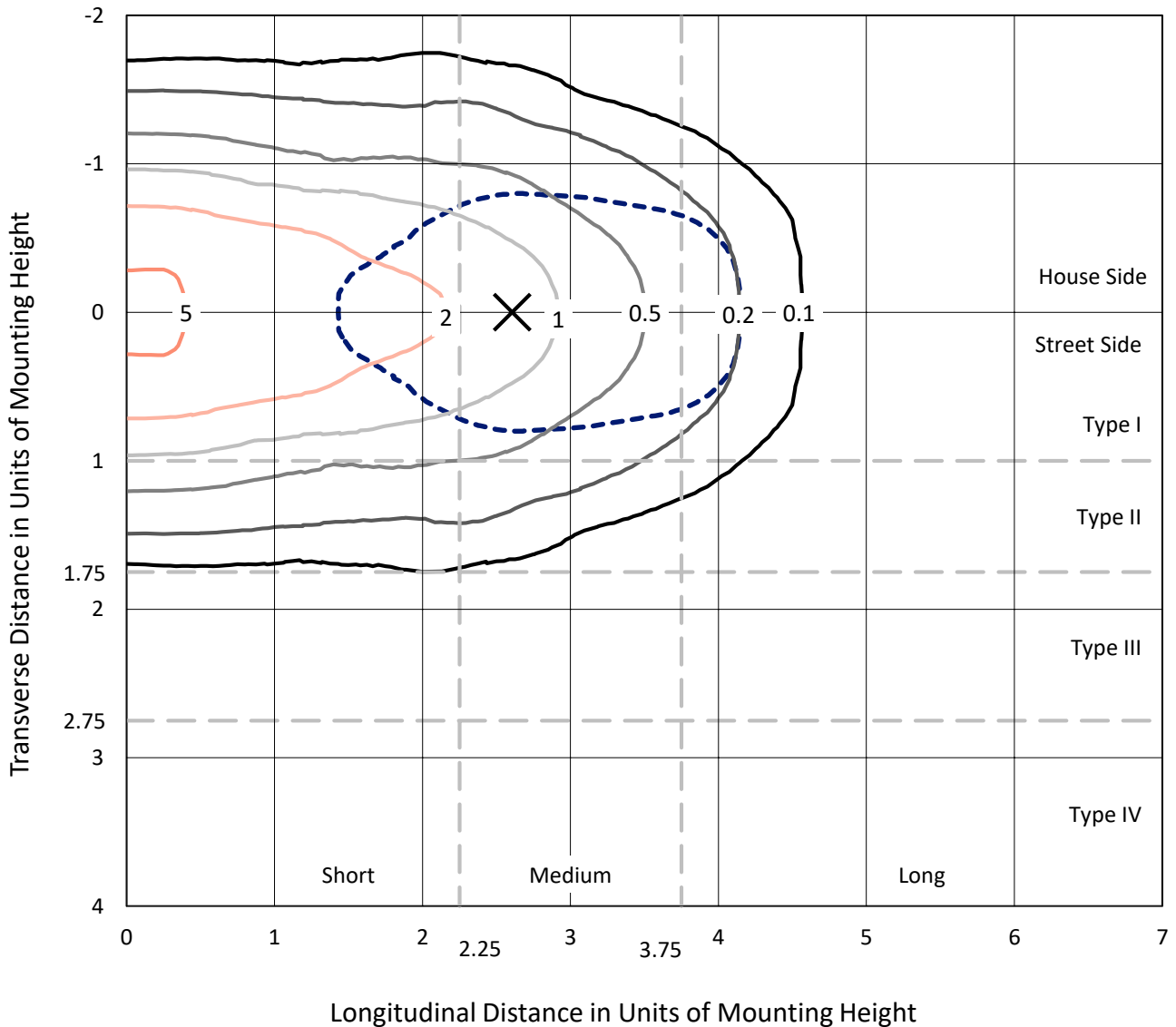
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P180258
 CATALOG NUMBER: ICM-E01-LED-E1-RW

Iso-Footcandle Lines of Horizontal Illumination

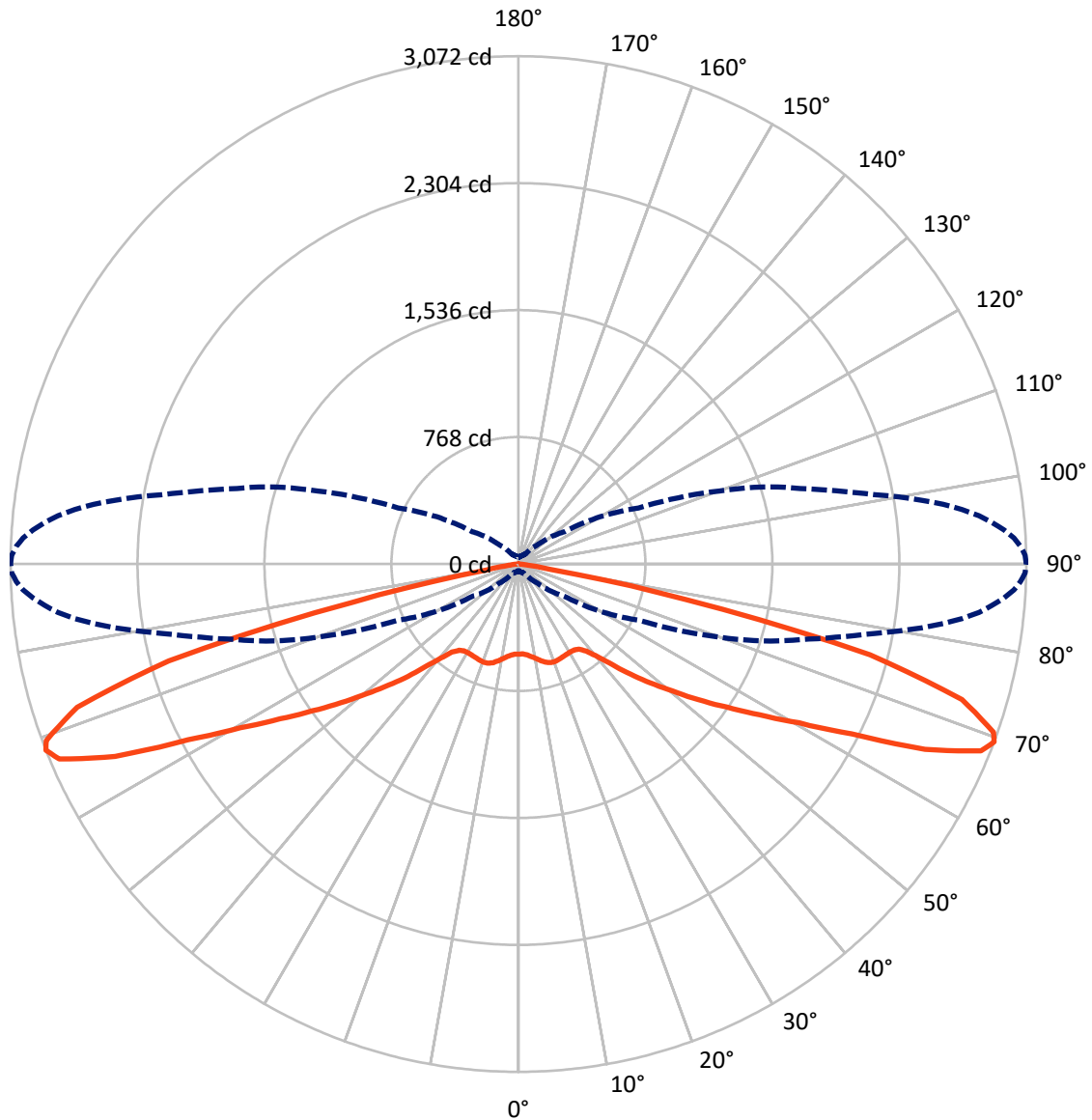
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.6 fc
 Type I - Short - Full Cutoff

REPORT NUMBER: P180258
CATALOG NUMBER: ICM-E01-LED-E1-RW

Luminous Intensity Polar Plot



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

REPORT NUMBER: P180258

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

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1453.0	0.0	1453.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1453.0	0.0	1453.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	2906.0	0.0	2906.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.4	1.8
10°-20°	168.5	5.8
20°-30°	273.0	9.4
30°-40°	340.2	11.7
40°-50°	425.1	14.6
50°-60°	524.9	18.1
60°-70°	652.2	22.4
70°-80°	433.0	14.9
80°-90°	35.8	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°	2906.0	100.0
0°-180°	2906.0	100.0



REPORT NUMBER: P180258

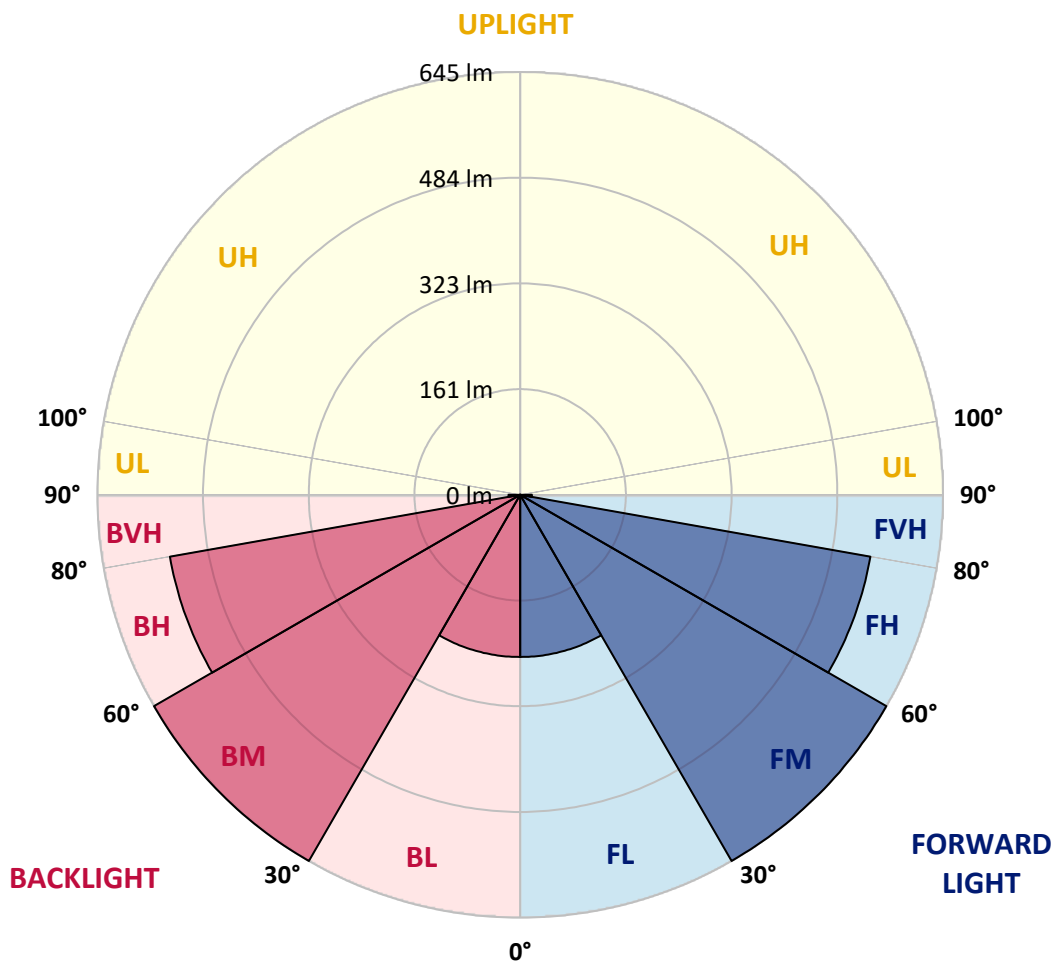
CATALOG NUMBER: ICM-E01-LED-E1-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	247.4	8.5			
FM	(30°-60°)	645.1	22.2			
FH	(60°-80°)	542.6	18.7			G0/660
FVH	(80°-90°)	17.9	0.6			G1/100
BL	(0°-30°)	247.4	8.5	B1/500		
BM	(30°-60°)	645.1	22.2	B1/1000		
BH	(60°-80°)	542.6	18.7	B2/1000		G2/1000
BVH	(80°-90°)	17.9	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type I Short





REPORT NUMBER: P180258

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	544.5	544.5	544.5	544.5	544.5	544.5	544.5	544.5	544.5	544.5	544.5
2.5°	547.0	547.4	547.2	547.7	547.5	547.5	547.3	546.6	546.2	546.0	546.0
5°	552.2	551.6	552.6	553.5	553.1	553.3	553.1	553.1	552.8	552.8	552.7
7.5°	557.9	557.7	558.3	560.7	561.1	562.0	563.2	563.9	564.0	564.2	564.1
10°	562.6	562.8	564.3	567.9	569.8	572.7	575.6	578.1	578.8	579.4	579.4
12.5°	566.5	566.7	569.0	574.5	579.1	584.7	591.0	594.6	596.1	596.5	596.7
15°	566.9	567.3	571.4	580.5	589.5	598.6	606.1	611.0	612.3	613.0	613.2
17.5°	562.8	563.2	569.9	583.4	598.5	612.7	620.7	622.8	623.3	623.5	623.4
20°	552.2	553.0	562.6	582.7	605.6	624.2	632.4	629.5	628.0	627.8	627.6
22.5°	535.2	535.1	547.5	574.5	607.0	633.2	640.5	632.7	628.1	627.2	626.6
25°	507.6	509.4	524.2	556.5	599.1	635.2	646.1	634.4	627.8	626.3	624.6
27.5°	477.7	478.7	494.4	528.9	580.7	628.2	648.9	637.9	630.5	628.5	626.4
30°	442.8	444.2	460.9	497.1	551.1	610.2	648.2	645.6	636.9	634.5	631.9
32.5°	408.7	410.2	425.3	464.8	519.8	585.6	643.5	656.6	647.8	645.0	642.3
35°	373.4	375.6	394.0	434.0	489.8	558.1	636.5	670.7	665.9	663.4	661.0
37.5°	344.0	344.5	362.2	404.2	461.9	531.9	627.0	688.6	692.1	692.1	692.4
40°	311.3	314.2	331.9	376.3	436.7	509.8	618.1	712.7	731.3	734.7	737.2
42.5°	282.0	282.3	300.3	346.0	409.1	491.9	613.0	741.9	781.5	788.7	795.9
45°	251.2	252.5	268.7	312.9	377.5	470.9	612.8	775.4	838.7	851.0	862.1
47.5°	222.0	222.5	239.6	280.7	341.2	441.4	611.7	811.6	897.8	915.6	930.3
50°	194.0	193.7	210.6	250.0	305.5	402.8	602.3	852.6	961.3	981.8	999.7
52.5°	162.1	164.3	181.9	219.7	272.9	363.5	574.7	897.4	1027.4	1051.1	1073.7
55°	130.8	131.7	150.5	186.0	239.8	327.0	526.7	938.6	1091.9	1118.7	1143.9
57.5°	96.5	99.3	115.7	150.5	206.3	296.2	465.6	960.0	1146.6	1177.5	1207.4
60°	68.1	70.2	84.8	114.0	169.7	263.7	413.0	948.1	1190.5	1230.0	1266.0
62.5°	53.0	54.7	66.3	85.4	132.3	231.4	375.4	909.5	1239.4	1290.8	1339.9
65°	46.5	48.0	58.6	68.4	98.8	198.3	354.7	868.7	1304.8	1380.6	1448.9
67.5°	42.0	43.9	53.0	59.9	80.5	173.0	349.3	843.0	1336.9	1435.5	1527.7
69°	40.0	41.9	50.0	55.8	74.8	164.0	340.0	802.4	1293.6	1399.0	1499.7
70°	38.7	40.4	47.9	53.8	72.8	157.8	324.5	752.0	1234.2	1340.7	1446.0
72.5°	35.9	36.7	43.4	49.1	67.5	127.6	249.7	558.4	976.5	1080.3	1182.5
75°	31.8	32.7	38.9	44.5	52.7	79.3	158.0	345.5	657.5	734.8	829.7
77.5°	27.4	28.3	33.7	42.5	40.9	49.5	94.4	192.3	373.2	418.2	479.8
80°	22.0	22.9	27.7	42.1	33.9	38.4	67.9	134.4	183.3	196.7	211.4
82.5°	16.2	16.9	21.8	34.0	25.9	29.0	51.7	114.0	130.9	137.0	139.9
85°	8.2	8.4	13.8	20.8	16.5	15.1	29.2	78.0	88.8	90.3	92.7
87.5°	1.4	1.4	3.1	3.5	4.1	2.5	3.7	13.3	15.4	15.3	16.6
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: P180258

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

CANDELA DISTRIBUTION (continued):

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	544.5	544.5	544.5	544.5	544.5	544.5	544.5	544.5	544.5	544.5	544.5
2.5°	546.2	546.1	546.3	546.3	546.6	546.0	545.9	545.8	545.7	546.0	545.7
5°	552.9	552.9	553.0	553.3	553.2	552.8	552.7	552.9	552.4	552.2	552.6
7.5°	564.4	564.2	563.9	564.4	564.7	564.7	565.0	564.8	564.7	564.5	564.8
10°	579.9	579.7	579.9	580.4	580.7	580.8	581.2	580.8	580.7	580.9	580.9
12.5°	597.3	596.9	597.7	598.0	598.5	599.4	598.9	599.5	599.1	599.8	599.8
15°	613.7	614.0	614.5	614.9	615.0	615.7	615.8	616.3	615.6	615.8	617.0
17.5°	623.8	623.7	624.2	624.4	624.8	625.2	626.0	626.4	626.1	626.1	626.6
20°	627.4	626.8	627.0	627.2	627.3	627.6	628.1	628.3	628.3	628.4	629.0
22.5°	625.6	624.7	624.0	624.1	624.1	624.1	624.5	624.7	624.9	625.3	626.1
25°	623.3	621.5	620.0	619.9	619.4	619.5	619.6	619.7	620.0	620.5	621.0
27.5°	623.5	621.2	618.8	618.0	617.1	616.6	616.4	616.0	616.3	616.7	617.3
30°	628.8	625.1	621.8	620.7	619.4	618.4	617.5	616.4	615.8	616.3	616.6
32.5°	638.1	634.5	631.2	629.5	627.8	625.9	624.2	623.1	621.7	621.2	621.0
35°	658.0	655.2	652.1	650.1	647.4	645.9	643.8	640.7	638.6	638.5	637.2
37.5°	691.4	690.1	687.9	685.9	684.9	681.1	678.6	677.0	674.6	676.1	673.5
40°	739.5	741.9	743.9	742.7	743.1	742.1	740.6	742.1	740.3	739.8	740.3
42.5°	801.2	809.4	815.1	816.8	821.5	823.3	826.6	831.8	830.7	836.6	837.7
45°	872.6	884.3	895.6	904.2	913.3	923.9	934.3	942.7	949.2	948.8	955.9
47.5°	945.5	962.7	977.9	990.6	1007.2	1022.6	1039.4	1056.6	1069.0	1073.7	1075.2
50°	1019.3	1039.2	1059.9	1078.6	1101.0	1125.7	1152.3	1179.0	1192.3	1203.2	1210.4
52.5°	1096.6	1119.4	1141.4	1167.9	1195.5	1228.0	1261.3	1299.2	1319.4	1339.8	1350.7
55°	1170.1	1195.5	1218.2	1253.7	1287.6	1326.4	1370.0	1417.9	1452.8	1476.8	1498.1
57.5°	1236.8	1264.0	1291.9	1331.8	1375.2	1420.5	1475.6	1533.8	1571.7	1613.6	1651.4
60°	1302.1	1336.3	1368.4	1420.6	1472.1	1528.4	1597.0	1670.7	1729.5	1786.3	1829.8
62.5°	1388.7	1432.5	1472.4	1538.1	1605.3	1675.0	1756.6	1843.7	1928.9	2006.2	2064.7
65°	1516.5	1580.8	1640.7	1723.7	1808.8	1900.4	1997.8	2109.2	2211.5	2313.7	2397.4
67.5°	1613.5	1695.1	1771.7	1872.3	1972.3	2078.5	2196.3	2327.8	2454.4	2569.6	2671.6
69°	1594.4	1680.9	1764.1	1866.6	1970.6	2079.2	2197.9	2337.7	2469.3	2594.4	2703.9
70°	1536.6	1626.6	1712.8	1814.5	1919.9	2028.7	2152.9	2290.2	2424.9	2558.3	2668.9
72.5°	1273.4	1363.8	1447.5	1551.6	1657.7	1771.9	1889.7	2023.5	2167.3	2309.8	2406.7
75°	913.0	992.9	1074.0	1162.1	1265.6	1359.7	1467.4	1595.0	1716.0	1826.5	1900.7
77.5°	539.6	587.5	645.3	686.7	746.8	798.6	853.4	924.3	961.5	1032.9	1051.2
80°	219.9	218.5	227.2	218.6	220.5	213.6	206.1	204.8	193.1	207.7	196.8
82.5°	139.6	130.0	119.5	105.1	92.5	79.2	66.9	56.7	54.9	55.3	54.5
85°	92.0	87.8	78.4	66.0	53.8	43.2	34.5	27.3	27.0	26.5	26.4
87.5°	16.7	15.4	12.7	10.9	9.1	6.9	4.8	3.5	3.4	3.3	4.0
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: P180258

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

CANDELA DISTRIBUTION (continued):

	84°	85°	86°	87°	88°	89°	90°
0°	544.5	544.5	544.5	544.5	544.5	544.5	544.5
2.5°	545.7	545.8	545.6	545.9	545.8	545.3	544.8
5°	552.8	552.2	552.7	553.1	552.4	552.6	552.3
7.5°	564.8	564.7	564.8	564.4	564.1	564.5	564.9
10°	581.6	581.2	581.0	581.6	581.2	580.9	581.1
12.5°	600.4	600.4	600.2	600.3	600.2	599.7	599.4
15°	616.9	617.2	617.2	616.9	616.7	616.6	616.7
17.5°	627.2	627.0	627.0	627.0	626.8	627.0	627.3
20°	629.8	629.3	629.3	629.6	629.3	629.6	629.8
22.5°	626.2	626.2	626.2	626.3	626.6	626.7	627.0
25°	621.8	621.7	621.7	622.0	622.1	622.1	622.3
27.5°	618.1	618.1	618.1	618.4	618.4	618.6	618.9
30°	617.0	617.1	616.9	617.1	617.2	617.2	617.4
32.5°	621.2	620.8	620.7	620.3	620.0	620.0	619.8
35°	635.9	634.8	634.9	634.0	634.2	633.5	632.8
37.5°	671.8	670.5	669.1	667.4	666.2	667.6	667.6
40°	738.8	739.5	736.2	735.2	733.2	734.6	736.5
42.5°	838.3	839.3	839.8	834.8	834.6	833.5	830.4
45°	956.3	954.1	955.0	952.8	951.8	948.4	952.6
47.5°	1081.1	1082.4	1076.8	1075.0	1078.3	1072.8	1073.5
50°	1214.5	1214.9	1210.7	1209.8	1212.7	1202.2	1207.2
52.5°	1358.4	1359.1	1362.3	1358.4	1360.0	1357.6	1362.5
55°	1511.5	1523.2	1524.2	1528.4	1528.8	1533.8	1528.7
57.5°	1672.2	1685.4	1697.9	1714.8	1718.5	1716.5	1719.7
60°	1865.9	1900.5	1919.1	1945.6	1949.8	1961.2	1951.4
62.5°	2119.5	2173.4	2214.0	2234.4	2246.9	2270.9	2263.0
65°	2474.2	2538.2	2600.0	2629.4	2662.0	2696.1	2702.3
67.5°	2764.9	2836.0	2900.2	2951.2	2990.9	3015.9	3018.0
69°	2801.1	2876.8	2944.4	3001.0	3039.6	3065.5	3072.3
70°	2768.4	2845.8	2917.4	2971.6	3014.5	3040.8	3050.0
72.5°	2508.4	2600.5	2657.9	2713.0	2773.8	2781.8	2806.8
75°	1985.6	2068.3	2124.5	2139.1	2170.8	2210.8	2196.6
77.5°	1035.7	1071.6	1083.5	1058.1	1056.9	1080.3	1033.8
80°	197.2	197.6	194.2	193.0	195.4	193.0	189.8
82.5°	55.6	54.9	54.4	55.6	55.4	55.3	56.5
85°	25.7	24.9	23.7	23.7	24.4	23.4	23.9
87.5°	3.5	3.0	3.0	3.0	2.8	2.8	2.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)