

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: P180958

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180958
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33681)
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-SLL
Description: ICON SITE MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (21) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2588.3 lumens
Efficiency: N/A
Efficacy: 104.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G1

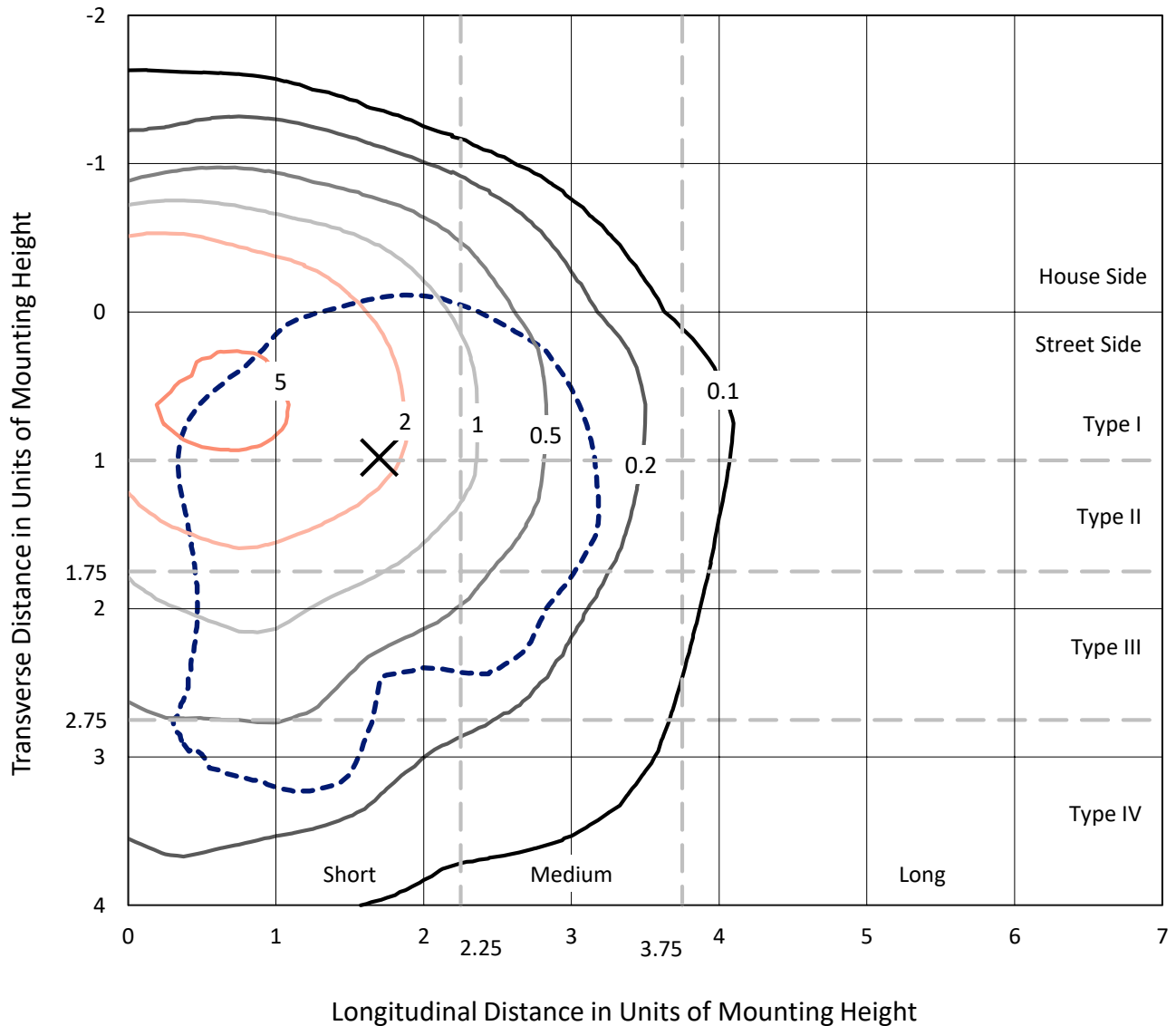
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

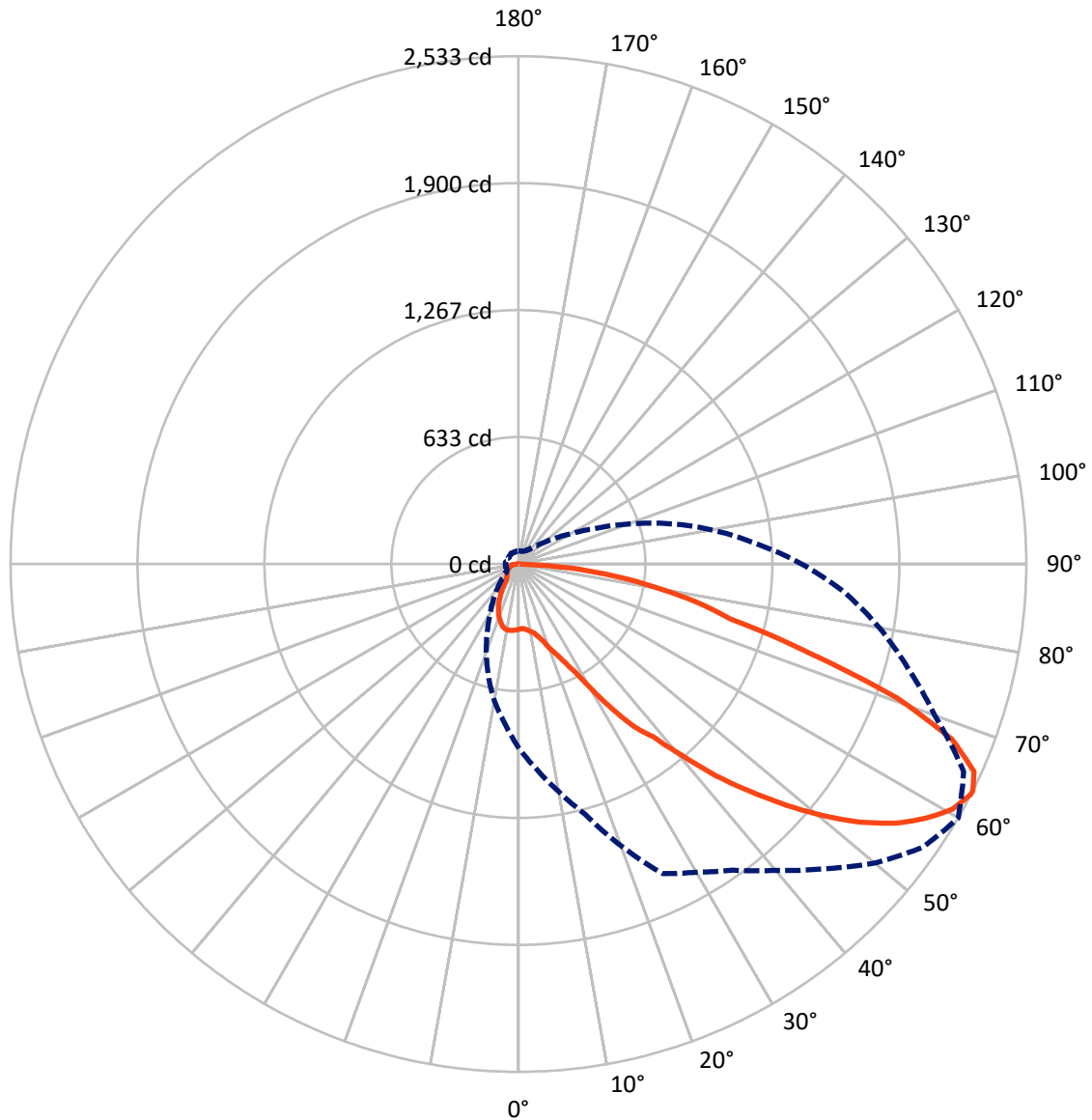
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.4 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	561.3	0.0	561.3
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	2027.1	0.0	2027.1
	% Fixture	78.3	0.0	78.3
Total	Lumens	2588.3	0.0	2588.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.7	1.2
10°-20°	98.6	3.8
20°-30°	175.2	6.8
30°-40°	275.9	10.7
40°-50°	406.0	15.7
50°-60°	539.3	20.8
60°-70°	594.0	23.0
70°-80°	372.7	14.4
80°-90°	94.9	3.7
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°	2588.3	100.0
0°-180°	2588.3	100.0



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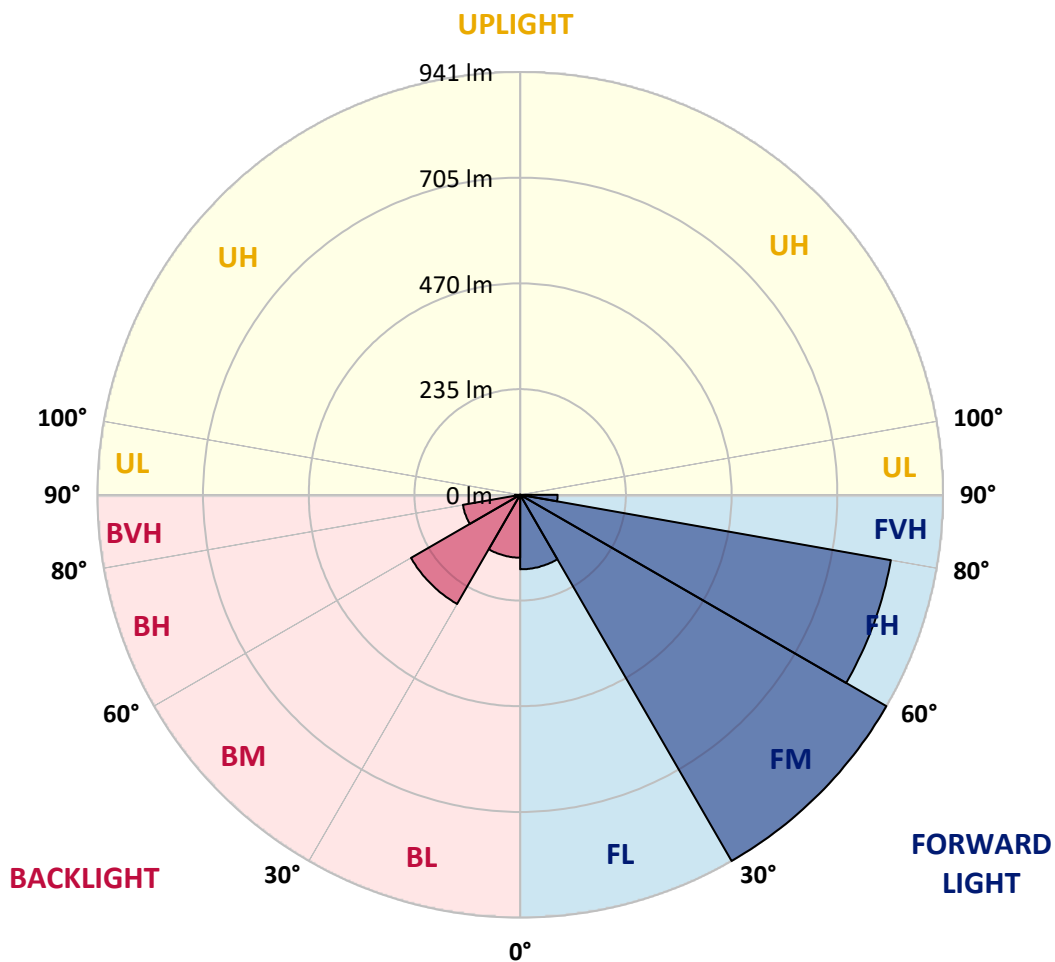
CATALOG NUMBER: ICM-E01-LED-E1-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	165.7	6.4			
FM	(30°-60°)	940.7	36.3			
FH	(60°-80°)	837.4	32.4			G1/1800
FVH	(80°-90°)	83.3	3.2			G1/100
BL	(0°-30°)	139.7	5.4	B1/500		
BM	(30°-60°)	280.5	10.8	B1/1000		
BH	(60°-80°)	129.4	5.0	B1/500		G1/500
BVH	(80°-90°)	11.6	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	325.3	325.3	325.3	325.3	325.3	325.3	325.3	325.3	325.3	325.3	325.3
2.5°	320.9	321.6	321.6	321.2	321.2	321.9	321.6	321.2	320.3	321.6	321.6
5°	318.4	319.1	319.1	319.7	320.3	320.9	320.9	321.6	321.2	322.5	323.4
7.5°	321.6	322.1	323.4	324.9	325.9	328.1	328.1	329.6	330.2	331.2	330.9
10°	325.6	327.2	330.0	332.4	334.2	336.7	338.6	340.7	340.7	341.7	342.3
12.5°	332.7	334.2	337.4	340.5	343.3	346.3	349.1	351.4	353.5	354.1	355.4
15°	344.5	346.3	351.0	355.4	358.8	362.8	366.5	370.9	374.9	375.8	376.5
17.5°	362.1	365.9	369.3	377.0	382.0	387.3	393.2	399.4	400.7	407.2	408.7
20°	387.3	391.9	395.1	404.7	413.0	419.8	428.6	435.6	438.4	444.7	450.9
22.5°	430.7	429.8	434.4	444.0	450.2	463.9	471.4	478.8	482.5	491.8	496.7
25°	489.0	494.0	504.2	505.1	511.0	526.8	536.5	543.9	544.2	547.0	552.3
27.5°	546.3	566.8	583.0	591.6	607.4	622.1	621.4	631.9	615.5	618.9	623.9
30°	615.8	650.0	680.3	700.7	716.9	734.0	742.3	748.2	741.1	738.0	732.1
32.5°	680.9	728.7	775.5	811.8	841.9	870.1	888.7	897.0	907.0	932.1	941.1
35°	725.6	793.2	851.4	903.9	954.1	999.1	1031.6	1050.2	1043.1	1039.7	1037.9
37.5°	752.3	834.7	907.6	981.7	1039.4	1106.7	1157.2	1206.2	1217.4	1197.9	1188.2
40°	769.0	866.7	960.3	1047.7	1122.5	1209.3	1271.9	1345.4	1401.2	1408.7	1385.8
42.5°	777.0	888.1	997.2	1096.1	1197.2	1303.5	1383.0	1471.9	1555.4	1612.8	1598.4
45°	778.3	902.1	1024.2	1139.8	1260.2	1386.3	1488.7	1587.3	1698.9	1797.2	1800.0
47.5°	778.3	912.6	1042.8	1171.4	1316.6	1458.3	1570.0	1686.5	1823.3	1939.5	1975.2
50°	778.9	919.7	1060.2	1196.3	1359.7	1519.1	1645.3	1783.0	1926.8	2053.3	2122.2
52.5°	781.7	924.9	1073.8	1214.0	1387.6	1561.9	1703.9	1862.6	2005.9	2135.8	2224.9
55°	787.9	932.4	1083.7	1224.8	1406.2	1589.8	1746.3	1917.2	2057.0	2188.9	2313.2
57.5°	805.3	945.4	1095.8	1234.4	1416.5	1608.1	1776.1	1940.8	2076.6	2214.0	2360.0
60°	840.0	973.0	1116.6	1253.7	1433.5	1641.9	1790.4	1924.9	2062.3	2206.5	2370.5
62.5°	895.5	1016.1	1145.4	1286.2	1482.1	1694.2	1779.5	1877.9	2006.2	2163.5	2333.0
63°	914.7	1025.4	1151.9	1293.3	1495.5	1703.9	1774.9	1863.9	1994.7	2149.8	2319.7
65°	968.4	1066.7	1183.0	1329.3	1550.4	1713.5	1738.6	1791.4	1915.4	2071.9	2240.9
67.5°	1068.6	1166.8	1249.6	1390.1	1596.6	1675.6	1626.1	1632.6	1762.2	1924.4	2076.3
70°	1131.8	1249.0	1292.1	1397.9	1588.2	1619.5	1480.3	1394.1	1498.0	1682.8	1815.8
72.5°	1115.4	1250.0	1245.3	1294.6	1420.8	1450.0	1305.8	1170.0	1231.6	1369.6	1455.8
75°	955.4	1116.3	1082.1	1072.3	1116.6	1135.8	1027.6	1006.8	1084.7	1161.2	1162.5
77.5°	687.7	864.8	824.8	767.4	764.4	808.7	823.3	959.4	1074.4	1134.9	1108.2
80°	438.1	630.1	588.6	488.4	486.8	544.5	672.6	857.7	979.5	1013.3	943.9
82.5°	228.8	412.4	428.2	366.5	419.5	515.1	640.0	691.2	737.4	742.1	660.2
85°	142.6	253.7	298.3	307.9	378.9	456.7	455.8	437.9	417.4	357.2	323.1
87.5°	16.1	31.9	48.4	45.9	61.7	86.5	107.9	63.3	44.4	16.1	22.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	325.3	325.3	325.3	325.3	325.3	325.3	325.3	325.3	325.3	325.3	325.3
2.5°	322.1	322.5	322.8	322.8	324.4	324.0	324.4	324.9	325.9	326.5	327.2
5°	324.7	324.7	325.9	326.8	328.7	330.0	330.5	332.4	334.6	334.0	335.8
7.5°	332.7	332.4	333.7	334.2	335.8	338.0	337.7	339.3	341.1	341.7	343.3
10°	343.5	342.6	342.6	342.0	342.3	341.7	341.7	341.7	343.0	342.6	343.9
12.5°	354.7	354.4	353.8	351.9	351.9	349.5	348.2	346.7	346.3	344.2	344.5
15°	377.7	377.7	376.5	372.7	369.6	367.4	364.4	362.1	359.1	355.1	352.8
17.5°	411.2	406.8	405.3	404.7	399.7	397.9	391.0	383.9	380.5	374.9	371.8
20°	452.1	451.2	444.9	441.9	435.6	427.0	418.3	409.0	403.4	396.6	392.8
22.5°	498.3	491.4	488.4	483.7	474.1	464.2	451.2	438.8	430.0	425.4	422.6
25°	552.3	545.4	542.3	536.1	524.4	513.8	497.7	483.1	475.4	467.6	463.3
27.5°	623.9	617.4	613.7	597.5	593.5	576.1	556.3	536.5	526.2	514.7	507.3
30°	730.9	731.2	711.9	692.4	672.3	642.1	621.4	599.1	582.3	565.9	549.5
32.5°	911.6	865.4	829.8	787.9	744.2	712.3	686.5	659.8	636.6	612.7	585.4
35°	1022.1	999.7	953.5	876.9	832.8	794.1	765.6	733.3	704.8	662.6	621.1
37.5°	1146.7	1094.9	1038.8	996.3	946.3	901.4	853.7	817.0	767.7	711.0	652.1
40°	1328.7	1254.6	1187.0	1130.0	1065.4	1018.3	964.9	911.9	846.5	764.4	683.4
42.5°	1518.8	1442.1	1352.8	1278.8	1202.8	1147.6	1081.6	1007.2	911.0	809.3	710.4
45°	1718.2	1615.8	1508.8	1418.3	1339.3	1270.7	1188.8	1090.2	973.0	849.6	735.5
47.5°	1914.7	1797.2	1669.8	1572.4	1469.5	1385.8	1285.3	1160.7	1021.4	887.7	760.7
50°	2088.1	1974.9	1821.4	1697.7	1593.5	1490.2	1364.9	1214.9	1059.5	920.7	783.3
52.5°	2237.5	2140.2	1978.6	1822.3	1702.3	1586.3	1429.1	1258.6	1098.0	951.0	801.9
55°	2347.3	2282.5	2133.7	1939.8	1798.2	1659.8	1483.5	1300.8	1134.2	975.2	814.0
57.5°	2430.1	2394.2	2266.3	2050.5	1886.2	1731.2	1539.5	1351.4	1170.2	996.0	819.5
60°	2475.4	2485.3	2366.8	2147.3	1964.0	1790.7	1595.6	1394.4	1196.9	1008.1	816.5
62.5°	2471.0	2531.8	2442.2	2206.8	2009.3	1826.1	1633.5	1414.6	1193.2	988.8	788.2
63°	2462.6	2533.3	2450.5	2210.9	2012.1	1827.3	1634.4	1411.8	1185.4	979.5	777.0
65°	2390.4	2497.7	2443.5	2192.6	1987.3	1804.0	1614.9	1371.5	1130.9	929.6	719.7
67.5°	2196.9	2331.2	2315.6	2063.3	1869.8	1707.9	1515.1	1241.6	996.0	806.8	610.0
70°	1877.2	2003.5	2006.2	1794.4	1632.8	1474.1	1313.8	1010.2	789.5	625.4	454.9
72.5°	1438.8	1520.0	1548.2	1408.7	1300.5	1188.8	1044.9	733.3	562.8	425.4	296.1
75°	1114.1	1091.8	1091.4	1032.6	988.6	934.0	775.8	494.9	369.6	276.6	181.1
77.5°	1001.6	902.3	806.2	735.5	700.2	681.9	508.8	298.3	218.0	159.1	104.2
80°	826.1	679.7	549.1	472.8	442.5	463.5	283.7	161.2	119.3	90.5	67.6
82.5°	569.6	472.8	359.4	297.7	255.5	267.3	145.1	82.5	55.2	50.5	41.9
85°	296.7	260.2	219.5	188.6	166.5	146.3	75.3	39.3	23.0	20.2	18.3
87.5°	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	325.3	325.3	325.3	325.3	325.3	325.3	325.3	325.3	325.3	325.3	325.3
2.5°	328.1	327.7	328.4	328.7	329.6	330.2	330.5	330.0	330.9	331.8	331.2
5°	336.7	338.9	339.3	340.2	340.2	342.0	342.0	342.0	341.7	342.0	341.4
7.5°	344.2	347.0	347.3	348.6	348.8	351.0	350.0	350.7	350.7	349.1	348.6
10°	345.1	347.9	349.5	351.0	353.2	356.0	356.0	357.5	357.5	356.3	356.0
12.5°	345.4	347.6	349.1	351.4	354.4	358.4	360.7	362.8	363.7	363.4	362.5
15°	351.9	351.9	352.3	354.1	356.3	361.2	364.4	366.8	368.4	367.7	366.2
17.5°	369.0	366.5	364.7	361.6	362.1	364.7	366.5	368.7	369.0	368.4	365.9
20°	388.8	385.8	381.1	376.1	373.7	371.8	370.5	370.5	369.6	366.5	362.5
22.5°	417.0	413.0	406.5	399.1	394.1	388.2	381.1	374.2	366.8	359.4	350.7
25°	456.1	450.5	443.7	432.3	421.7	409.3	394.7	379.5	361.9	346.3	333.7
27.5°	495.5	483.1	465.4	449.6	430.0	411.4	390.7	372.1	349.5	330.9	316.9
30°	528.1	504.5	479.1	454.0	428.2	403.1	378.3	356.0	331.2	312.3	298.6
32.5°	553.2	520.7	485.3	452.4	420.7	390.0	361.6	336.7	311.6	292.1	277.5
35°	576.5	531.2	486.2	445.6	406.5	374.6	342.3	315.4	288.7	268.2	252.4
37.5°	593.8	536.1	480.7	432.8	387.9	352.3	319.4	291.8	264.5	242.1	224.2
40°	604.9	533.0	468.6	414.6	365.9	328.4	294.9	266.3	240.0	215.5	193.8
42.5°	614.0	529.0	456.5	397.9	348.6	307.6	273.2	242.5	215.8	189.1	165.3
45°	627.3	532.1	451.2	386.0	333.0	290.0	252.1	220.2	192.3	166.2	143.3
47.5°	640.3	533.7	443.4	371.4	313.5	271.6	233.2	202.1	173.7	149.8	128.7
50°	652.1	532.7	431.4	352.8	294.6	253.3	216.1	185.1	156.9	134.9	115.1
52.5°	657.7	527.4	416.5	334.9	279.4	237.2	199.4	169.3	141.4	120.7	102.3
55°	657.0	513.8	396.9	317.9	262.6	220.2	183.0	153.2	128.1	108.8	93.0
57.5°	647.7	492.7	376.1	298.9	240.7	199.1	163.7	134.9	113.8	97.7	84.4
60°	628.2	465.8	348.8	271.4	213.0	173.0	139.8	115.1	98.0	85.6	76.9
62.5°	591.6	427.0	314.7	232.8	175.8	139.3	110.4	94.2	81.6	74.1	70.0
63°	580.7	416.5	300.2	223.5	167.2	131.4	104.2	87.4	78.1	71.6	67.9
65°	526.8	364.7	251.2	180.5	130.0	101.4	83.7	71.0	65.4	62.6	62.3
67.5°	426.7	286.8	177.7	123.7	88.4	73.2	64.2	58.9	56.5	55.8	56.5
70°	299.5	181.1	112.8	82.1	65.4	58.9	54.9	52.7	51.2	51.4	52.1
72.5°	191.0	108.6	77.5	62.3	55.2	51.8	50.0	49.3	49.0	48.7	48.7
75°	108.8	72.3	59.5	54.0	50.2	47.4	45.9	45.3	45.6	45.9	45.3
77.5°	71.9	59.5	53.0	49.3	45.9	42.8	41.9	41.6	42.1	42.8	42.8
80°	56.7	53.0	49.3	45.6	40.0	37.9	38.4	38.8	38.4	38.8	37.9
82.5°	40.0	39.3	40.3	38.8	33.2	31.3	30.7	31.0	30.4	30.4	29.8
85°	18.6	18.6	19.5	19.5	18.9	19.3	20.7	22.6	23.5	22.6	21.4
87.5°	0.0	0.0	0.0	0.0	0.0	2.8	5.6	8.1	8.7	10.9	10.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	325.3	325.3	325.3	325.3	325.3	325.3	325.3	325.3	325.3	325.3	325.3
2.5°	330.2	330.9	330.5	330.2	330.9	330.2	330.5	330.2	330.2	330.0	330.0
5°	340.7	341.7	339.8	339.5	338.9	337.4	337.4	336.7	336.7	335.5	334.6
7.5°	347.6	347.9	346.3	346.0	344.5	343.0	341.7	340.5	340.2	339.3	337.4
10°	354.1	353.5	352.3	350.7	349.1	347.0	345.4	343.9	343.5	342.0	339.8
12.5°	359.7	359.4	356.9	355.4	352.8	350.7	348.8	347.0	346.0	344.2	341.1
15°	363.4	361.6	358.4	355.6	352.8	350.4	348.2	346.0	345.1	343.0	339.8
17.5°	361.9	358.4	354.4	351.0	347.3	344.2	342.3	340.2	338.6	337.4	333.0
20°	356.3	351.4	345.1	341.1	336.1	332.1	330.9	328.7	327.4	322.8	317.2
22.5°	341.7	334.6	326.8	320.9	315.4	311.4	308.2	306.0	303.0	300.2	291.4
25°	323.4	315.4	307.3	300.2	292.7	286.5	280.9	275.6	274.1	268.2	259.8
27.5°	305.8	296.7	288.7	280.3	270.7	263.0	253.3	245.9	240.9	234.7	227.0
30°	286.8	277.9	267.0	255.8	244.7	236.3	225.4	216.5	210.2	203.7	196.6
32.5°	263.0	252.1	239.1	226.7	216.5	206.5	195.6	187.0	180.7	174.9	168.1
35°	235.6	221.4	207.4	193.8	183.0	174.6	164.9	158.4	154.1	148.8	141.7
37.5°	204.4	188.2	173.3	162.8	153.2	145.1	138.3	134.2	129.6	126.8	122.5
40°	172.7	156.9	142.3	132.7	124.7	120.0	116.3	115.3	112.3	108.6	105.8
42.5°	144.8	129.6	115.3	107.6	102.3	101.1	99.3	99.3	97.7	94.9	93.0
45°	125.9	110.0	97.7	92.1	89.3	89.0	88.1	88.1	87.7	86.5	84.4
47.5°	112.3	98.0	88.4	84.9	84.4	83.7	82.8	82.5	82.1	81.2	80.0
50°	99.8	87.7	81.6	80.0	80.3	79.3	78.4	77.5	77.2	76.3	75.1
52.5°	88.4	79.7	75.6	74.7	74.7	74.7	74.1	74.1	73.5	73.2	71.9
55°	81.9	75.3	73.2	72.8	72.6	72.3	71.6	71.6	71.0	70.7	69.1
57.5°	76.3	72.3	71.0	70.4	70.0	69.5	69.1	69.1	69.1	69.1	67.3
60°	71.9	70.0	69.8	69.1	68.8	67.6	67.0	66.7	67.0	67.3	65.4
62.5°	67.3	67.0	66.7	66.0	65.8	64.5	63.5	63.0	63.5	64.2	63.9
63°	66.0	65.8	65.8	65.4	65.1	63.5	62.6	62.0	62.6	63.3	63.3
65°	61.7	62.0	62.0	61.7	61.4	60.5	59.3	58.6	58.9	59.8	60.2
67.5°	57.0	57.4	57.0	57.4	57.0	56.5	55.5	54.9	54.6	54.9	55.2
70°	52.7	53.3	53.0	52.7	52.4	52.4	51.8	50.9	50.5	50.2	50.2
72.5°	49.0	49.0	48.4	48.4	48.1	48.1	47.4	46.5	46.2	46.2	45.6
75°	44.9	44.9	44.0	44.0	43.4	43.7	43.1	42.1	41.9	41.9	41.6
77.5°	42.5	41.6	40.0	39.7	39.3	39.3	39.1	38.1	37.9	37.9	37.5
80°	37.5	35.6	34.1	33.8	34.1	34.7	34.7	34.1	34.1	34.1	34.1
82.5°	29.1	28.6	27.6	27.0	27.0	27.9	29.1	29.8	30.4	31.0	31.0
85°	21.4	21.7	21.4	20.5	20.2	21.1	22.3	23.5	23.9	25.1	24.8
87.5°	11.4	11.8	10.9	10.5	11.4	12.1	13.3	13.7	14.2	14.6	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



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	325.3	325.3	325.3	325.3	325.3	325.3	325.3	325.3	325.3	325.3	325.3
2.5°	329.6	329.3	329.6	329.0	329.0	328.4	327.7	327.4	326.8	326.5	325.9
5°	335.2	334.2	333.3	333.0	331.8	330.5	329.6	328.1	326.8	324.7	324.0
7.5°	338.9	336.7	335.5	335.2	333.3	332.4	330.2	328.4	326.5	323.7	322.8
10°	340.5	338.3	336.1	335.2	333.0	331.4	329.3	326.5	324.9	322.1	321.6
12.5°	342.3	338.3	334.9	332.4	329.3	325.9	323.7	322.1	320.0	318.4	317.9
15°	338.9	333.7	328.4	323.7	318.8	315.1	312.8	310.4	307.9	307.0	307.0
17.5°	329.6	322.8	313.8	307.9	302.6	298.6	295.8	293.3	293.0	291.8	292.4
20°	310.4	301.4	292.7	288.4	285.3	282.8	280.0	278.8	277.9	276.0	275.4
22.5°	283.7	276.3	270.0	267.0	264.5	261.4	258.9	255.2	254.2	252.4	251.4
25°	254.2	248.4	243.1	240.9	239.4	235.1	233.5	228.6	225.1	223.0	224.2
27.5°	224.8	220.5	215.5	212.7	211.8	207.7	206.2	200.7	197.9	197.9	194.7
30°	194.4	190.4	187.3	184.2	183.5	178.6	174.6	172.4	169.3	168.1	165.9
32.5°	165.9	161.9	159.3	157.9	155.3	151.3	147.3	143.5	138.6	136.7	135.8
35°	139.5	136.5	133.3	132.1	128.7	124.4	119.3	116.3	110.4	108.2	107.3
37.5°	119.3	115.6	113.5	110.0	106.7	102.0	98.3	95.5	93.3	92.4	92.4
40°	103.3	100.5	98.0	95.2	92.4	90.0	88.1	87.4	87.2	87.2	87.7
42.5°	91.2	88.7	87.4	85.9	84.9	84.9	84.7	84.9	85.3	85.6	86.5
45°	83.1	81.6	80.9	80.7	81.2	81.9	82.1	82.8	84.0	84.7	84.9
47.5°	78.8	77.5	77.2	77.5	78.4	79.7	80.9	81.9	82.8	83.1	83.4
50°	74.4	72.8	72.3	72.8	74.1	76.0	76.9	78.4	79.1	79.7	79.1
52.5°	70.7	69.5	69.1	69.1	70.4	71.6	72.8	74.1	74.4	74.4	74.1
55°	67.6	66.7	65.8	66.3	67.3	68.6	70.4	71.3	71.9	72.3	72.3
57.5°	65.1	64.2	63.3	63.9	64.8	66.0	67.9	68.8	69.5	70.4	70.7
60°	63.3	62.0	61.1	62.0	63.0	64.8	66.3	67.3	68.8	69.1	69.1
62.5°	61.4	60.2	58.6	59.5	59.5	60.5	62.0	63.3	64.8	65.4	65.4
63°	61.1	59.8	58.3	58.9	58.9	59.5	60.7	62.0	63.9	64.5	64.2
65°	58.6	58.3	56.7	56.7	56.1	56.7	57.7	58.9	59.8	60.7	60.7
67.5°	54.6	54.2	54.0	54.0	54.0	54.6	55.2	56.1	57.0	57.7	57.4
70°	50.0	50.0	50.0	50.2	50.2	50.9	51.2	50.9	51.8	52.4	52.1
72.5°	45.9	45.6	45.3	45.9	45.6	45.6	46.2	45.9	46.8	46.8	47.2
75°	41.6	41.2	41.2	41.6	40.9	40.3	40.7	40.7	40.9	40.9	41.6
77.5°	37.9	37.9	37.9	37.5	36.9	36.6	36.3	36.3	36.3	36.3	36.6
80°	34.4	34.4	34.4	34.1	33.5	32.8	32.3	31.9	31.6	30.0	30.0
82.5°	31.0	31.0	31.0	31.0	30.7	30.0	29.1	26.7	25.4	24.2	24.5
85°	24.5	25.1	25.8	26.7	26.3	26.3	24.5	21.4	19.5	18.3	18.6
87.5°	15.8	14.0	14.0	13.7	13.0	12.4	12.4	10.5	8.7	7.7	8.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	325.3	325.3	325.3	325.3	325.3	325.3	325.3	325.3	325.3	325.3	325.3	0°
2.5°	325.9	325.3	324.7	324.7	323.7	323.7	323.1	324.4	323.1	322.1	322.1	2.5°
5°	323.4	322.8	320.9	320.7	319.4	319.4	319.4	318.8	318.8	318.1	317.9	5°
7.5°	321.9	320.3	318.8	317.9	317.9	317.2	318.4	317.9	318.1	318.1	318.4	7.5°
10°	320.7	319.4	318.8	318.4	318.4	319.4	320.3	320.7	320.3	320.7	320.7	10°
12.5°	317.5	318.1	318.4	319.7	321.2	323.1	325.3	325.6	326.2	326.2	326.8	12.5°
15°	307.6	309.1	311.0	314.1	318.1	322.1	326.2	329.6	332.7	334.2	335.5	15°
17.5°	293.7	295.2	298.6	302.0	307.3	313.2	320.0	325.9	332.4	338.3	344.2	17.5°
20°	274.7	277.2	278.1	284.4	290.5	298.6	306.7	316.0	327.2	338.3	349.8	20°
22.5°	250.2	253.0	257.4	262.3	268.8	278.8	288.4	303.0	317.9	333.7	351.6	22.5°
25°	223.0	226.0	229.8	235.1	241.6	252.1	266.0	281.6	299.8	320.7	343.0	25°
27.5°	194.7	197.9	200.9	204.7	212.1	223.3	239.7	255.8	276.0	298.6	324.7	27.5°
30°	166.5	166.8	168.7	173.3	181.1	195.6	207.7	227.9	249.0	272.8	303.0	30°
32.5°	135.5	135.2	137.4	141.4	148.8	162.8	177.7	197.2	218.0	248.1	279.1	32.5°
35°	107.9	107.9	111.9	116.0	124.4	134.2	147.3	164.7	189.1	217.0	248.1	35°
37.5°	93.3	95.5	98.0	102.0	108.6	116.3	127.7	143.0	162.1	188.8	217.4	37.5°
40°	88.7	90.0	92.1	95.8	101.4	108.6	116.9	128.4	143.3	164.7	190.7	40°
42.5°	86.8	87.2	88.4	91.2	96.1	103.3	111.9	122.1	133.3	148.6	171.2	42.5°
45°	84.9	84.7	85.3	87.4	91.4	99.5	109.5	120.7	131.8	144.5	163.1	45°
47.5°	83.4	83.4	83.4	84.4	88.1	96.1	107.6	120.7	134.0	148.2	166.5	47.5°
50°	79.1	78.8	78.8	79.3	82.1	90.9	104.5	120.3	137.7	156.3	177.0	50°
52.5°	74.1	74.1	74.4	74.7	77.2	85.9	101.1	120.3	142.0	166.8	192.8	52.5°
55°	72.6	72.8	73.2	72.8	74.7	82.1	97.4	118.4	143.9	175.2	210.0	55°
57.5°	71.3	71.9	71.9	71.6	72.8	79.1	93.7	114.7	142.3	178.3	222.0	57.5°
60°	69.5	69.5	69.5	68.6	69.1	74.7	88.1	108.8	137.4	175.5	223.9	60°
62.5°	65.4	65.4	64.8	64.5	64.2	68.6	80.7	100.2	128.4	168.1	219.3	62.5°
63°	64.5	64.2	64.2	63.3	63.3	67.3	79.1	98.9	125.9	166.2	217.4	63°
65°	61.1	61.1	61.1	60.5	60.2	63.3	72.8	90.2	116.3	157.5	208.1	65°
67.5°	57.4	57.7	57.0	56.7	56.5	58.3	65.8	79.3	101.4	139.3	190.7	67.5°
70°	52.1	52.4	52.4	52.1	51.8	53.0	57.7	68.2	84.0	116.0	162.5	70°
72.5°	47.4	48.1	48.1	48.7	48.7	49.6	51.4	56.7	67.3	90.5	127.7	72.5°
75°	42.5	42.8	43.4	44.0	43.4	43.1	43.4	47.4	52.7	67.0	91.2	75°
77.5°	38.1	39.1	39.1	38.8	37.9	37.2	37.2	39.1	43.4	50.9	65.1	77.5°
80°	31.6	33.2	33.5	32.6	31.6	31.6	32.3	33.5	36.3	41.9	49.3	80°
82.5°	25.4	27.0	27.3	27.6	27.3	28.2	28.2	28.6	30.0	34.4	40.3	82.5°
85°	19.5	20.7	21.7	22.0	22.3	22.6	22.3	20.7	21.7	24.5	27.3	85°
87.5°	8.7	9.0	8.4	8.7	8.4	8.7	9.0	7.4	7.2	9.6	10.0	87.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90°



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DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
325.3	325.3	325.3	325.3	325.3	325.3	325.3
321.9	321.9	322.1	321.6	321.6	321.9	320.9
316.9	318.1	318.1	318.1	317.5	318.1	318.4
318.1	319.1	319.7	319.7	319.4	320.7	321.6
319.7	321.2	321.9	321.9	321.9	323.4	325.6
325.6	326.8	327.7	327.7	328.4	330.2	332.7
336.5	338.0	338.0	337.7	339.5	341.7	344.5
348.6	352.8	355.1	354.7	356.3	359.1	362.1
360.0	372.1	377.4	381.1	382.6	386.3	387.3
369.6	389.8	404.4	416.7	422.6	426.3	430.7
366.2	393.5	419.5	444.9	463.0	481.2	489.0
352.3	386.3	420.5	457.7	490.2	522.8	546.3
335.2	376.1	422.0	474.7	526.2	576.1	615.8
315.6	366.5	425.4	490.5	558.1	623.5	680.9
291.2	348.2	417.0	492.1	571.8	651.2	725.6
260.2	323.4	397.5	480.9	572.4	663.3	752.3
229.1	292.1	372.7	464.8	564.4	666.1	769.0
207.4	264.2	347.6	444.4	551.4	661.7	777.0
192.6	244.0	325.3	425.8	537.4	654.0	778.3
191.4	235.4	310.7	412.1	526.2	647.2	778.3
201.9	240.0	305.8	405.3	521.6	644.9	778.9
221.7	258.6	314.7	410.5	525.3	647.7	781.7
245.6	286.8	338.9	428.8	541.1	657.0	787.9
267.3	319.4	380.2	464.2	570.0	680.7	805.3
280.0	347.3	423.9	513.8	619.3	727.4	840.0
281.6	362.8	462.6	567.7	679.1	781.1	895.5
280.3	364.0	467.6	578.0	691.8	794.4	914.7
273.5	364.4	481.6	614.0	735.8	850.5	968.4
256.1	354.4	486.5	642.1	791.4	924.4	1068.6
226.0	326.2	471.9	642.8	812.7	965.6	1131.8
181.7	272.6	409.0	584.8	756.3	924.9	1115.4
133.0	200.3	309.1	453.0	617.0	770.0	955.4
88.4	129.6	208.4	322.8	442.5	554.1	687.7
60.7	80.3	121.9	194.1	270.7	324.9	438.1
44.7	53.0	67.6	99.3	130.2	160.3	228.8
27.9	30.4	33.8	49.0	70.0	94.6	142.6
7.4	7.7	7.2	9.6	15.2	14.6	16.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)