

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: P180957

Luminaire Tested: **ICM-E01-LED-E1-SLL-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180957
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-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2364.1 lumens
Efficiency: N/A
Efficacy: 95.7 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

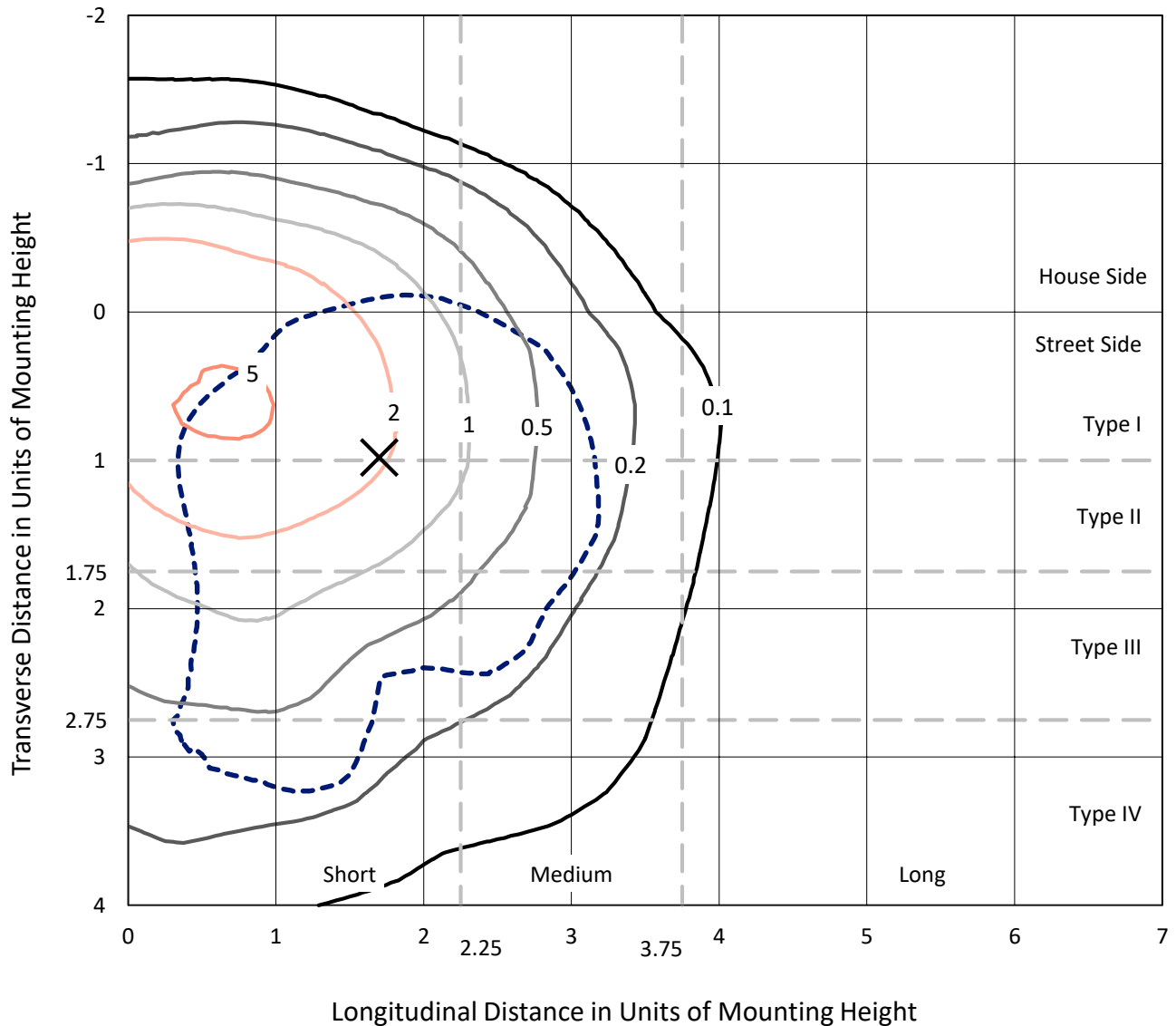
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

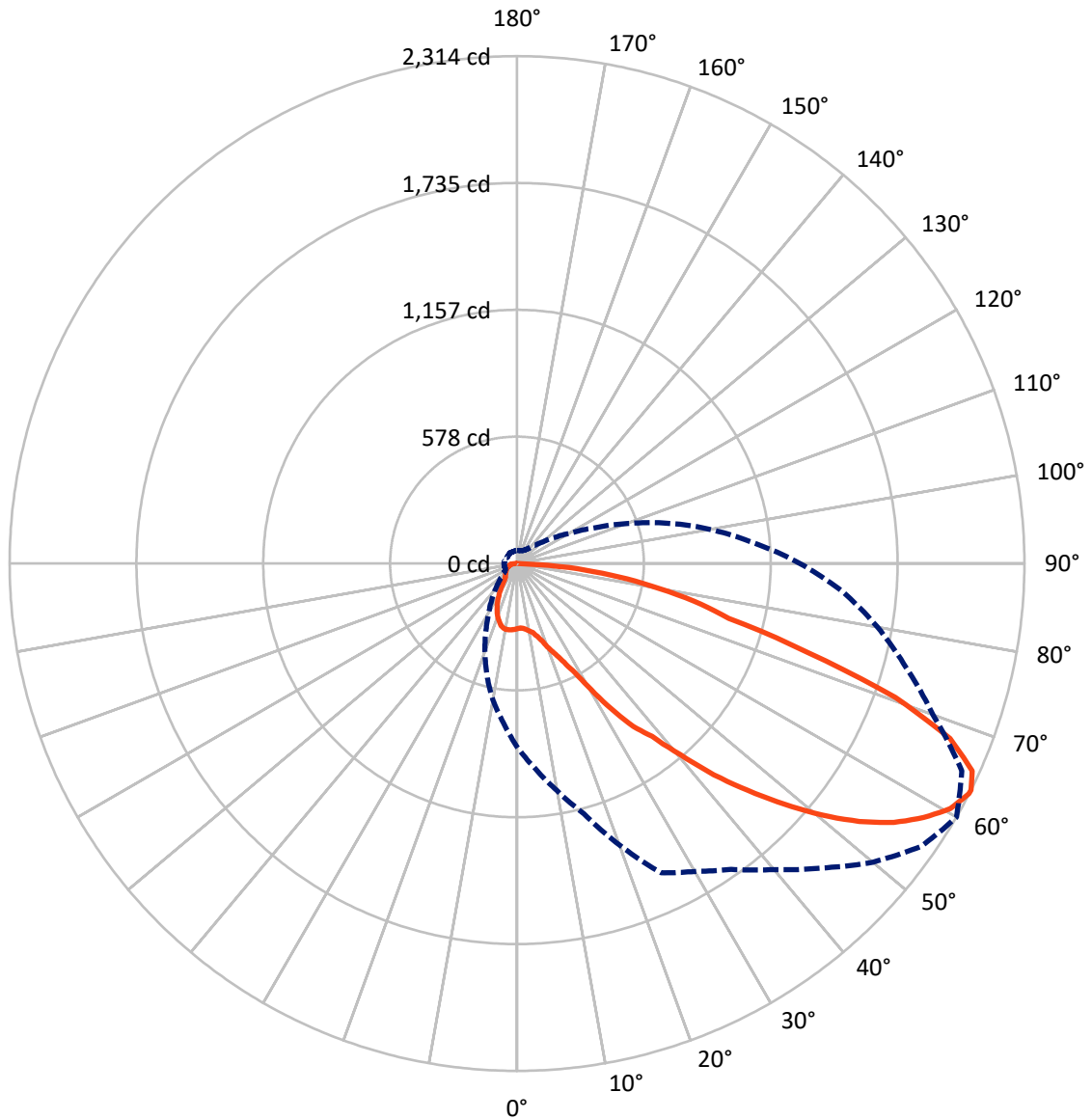
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.9 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	512.6	0.0	512.6
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	1851.4	0.0	1851.4
	% Fixture	78.3	0.0	78.3
Total	Lumens	2364.1	0.0	2364.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.9	1.2
10°-20°	90.1	3.8
20°-30°	160.0	6.8
30°-40°	252.0	10.7
40°-50°	370.8	15.7
50°-60°	492.6	20.8
60°-70°	542.6	23.0
70°-80°	340.4	14.4
80°-90°	86.7	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°	2364.1	100.0
0°-180°	2364.1	100.0



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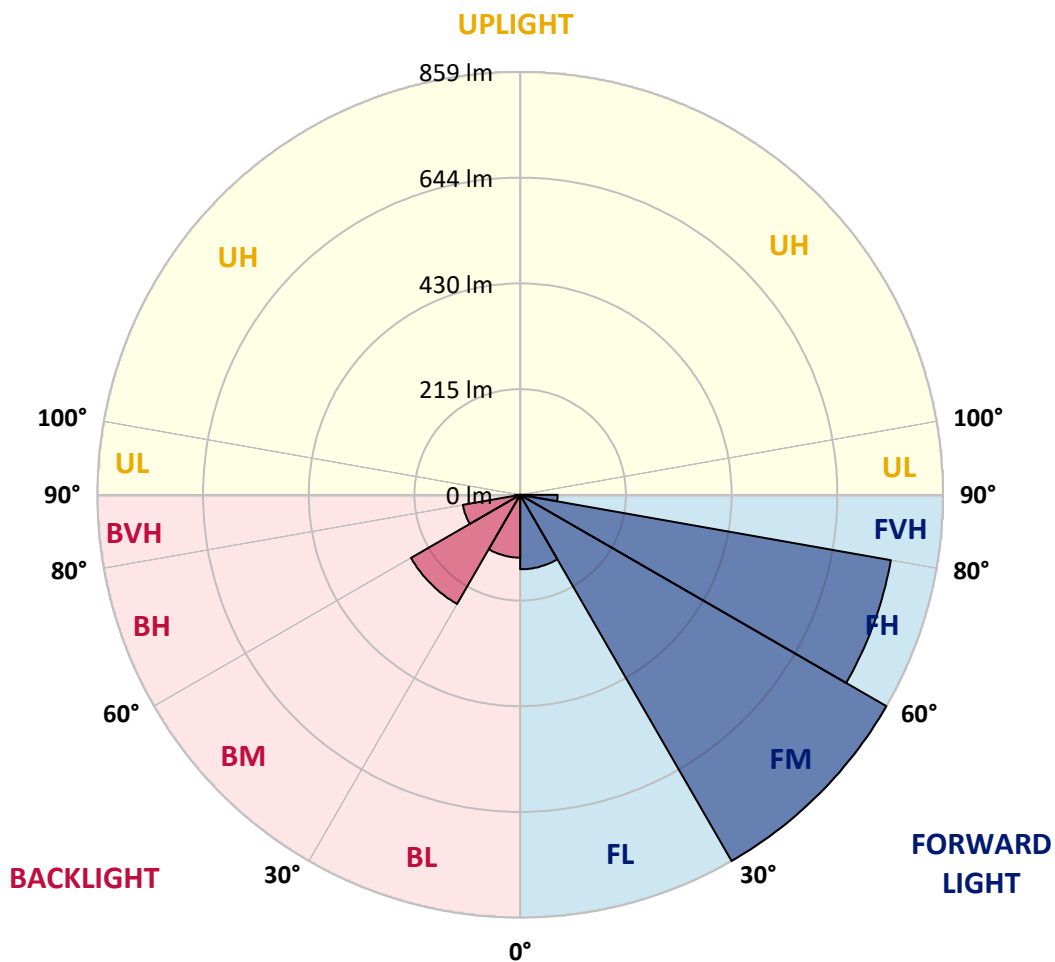
CATALOG NUMBER: ICM-E01-LED-E1-SLL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	151.4	6.4			
FM	(30°-60°)	859.2	36.3			
FH	(60°-80°)	764.8	32.4			G1/1800
FVH	(80°-90°)	76.1	3.2			G1/100
BL	(0°-30°)	127.6	5.4	B1/500		
BM	(30°-60°)	256.2	10.8	B1/1000		
BH	(60°-80°)	118.2	5.0	B1/500		G1/500
BVH	(80°-90°)	10.6	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°	297.1	297.1	297.1	297.1	297.1	297.1	297.1	297.1	297.1	297.1	297.1
2.5°	293.1	293.7	293.7	293.4	293.4	294.0	293.7	293.4	292.6	293.7	293.7
5°	290.9	291.4	291.4	292.0	292.6	293.1	293.1	293.7	293.4	294.5	295.4
7.5°	293.7	294.2	295.4	296.8	297.7	299.6	299.6	301.0	301.6	302.5	302.1
10°	297.4	298.8	301.3	303.6	305.3	307.5	309.3	311.3	311.3	312.1	312.7
12.5°	303.9	305.3	308.1	311.0	313.5	316.4	318.9	320.8	322.9	323.4	324.6
15°	314.6	316.4	320.6	324.6	327.6	331.4	334.8	338.7	342.4	343.3	343.8
17.5°	330.8	334.2	337.3	344.4	348.9	353.8	359.1	364.7	365.9	371.8	373.3
20°	353.8	358.0	360.8	369.6	377.2	383.4	391.4	398.0	400.5	406.1	411.8
22.5°	393.4	392.6	396.7	405.6	411.3	423.7	430.5	437.3	440.7	449.2	453.7
25°	446.6	451.2	460.5	461.3	466.7	481.2	490.0	496.7	497.0	499.5	504.4
27.5°	499.0	517.7	532.5	540.4	554.8	568.1	567.5	577.2	562.1	565.3	569.9
30°	562.4	593.6	621.4	640.1	654.8	670.3	678.1	683.4	676.8	674.1	668.7
32.5°	622.0	665.6	708.3	741.5	768.9	794.7	811.7	819.4	828.4	851.4	859.5
35°	662.7	724.5	777.7	825.6	871.4	912.5	942.2	959.3	952.8	949.6	947.9
37.5°	687.1	762.4	828.9	896.7	949.3	1010.8	1056.9	1101.7	1111.9	1094.1	1085.3
40°	702.3	791.5	877.1	956.9	1025.2	1104.6	1161.8	1228.8	1279.8	1286.6	1265.7
42.5°	709.8	811.1	910.8	1001.1	1093.5	1190.6	1263.1	1344.4	1420.6	1472.9	1459.9
45°	710.9	823.8	935.4	1041.1	1151.0	1266.2	1359.7	1449.8	1551.7	1641.5	1644.0
47.5°	710.9	833.5	952.5	1070.0	1202.5	1331.9	1433.9	1540.4	1665.3	1771.5	1804.0
50°	711.4	840.0	968.3	1092.7	1241.9	1387.5	1502.7	1628.5	1759.9	1875.5	1938.3
52.5°	714.0	844.8	980.8	1108.8	1267.4	1426.5	1556.3	1701.2	1832.1	1950.8	2032.0
55°	719.6	851.6	989.9	1118.7	1284.4	1452.0	1595.1	1751.1	1878.8	1999.2	2112.8
57.5°	735.5	863.5	1000.8	1127.4	1293.7	1468.8	1622.2	1772.7	1896.7	2022.2	2155.5
60°	767.3	888.7	1019.8	1145.0	1309.3	1499.6	1635.3	1758.2	1883.6	2015.4	2165.1
62.5°	818.0	928.1	1046.1	1174.8	1353.8	1547.5	1625.3	1715.1	1832.4	1975.9	2130.9
63°	835.4	936.6	1052.1	1181.3	1366.0	1556.3	1621.1	1702.3	1821.9	1963.5	2118.7
65°	884.5	974.2	1080.5	1214.1	1416.1	1565.0	1588.0	1636.1	1749.4	1892.4	2046.8
67.5°	975.9	1065.7	1141.3	1269.6	1458.2	1530.4	1485.1	1491.1	1609.5	1757.6	1896.4
70°	1033.7	1140.8	1180.1	1276.8	1450.6	1479.2	1352.0	1273.3	1368.2	1537.0	1658.5
72.5°	1018.7	1141.6	1137.4	1182.4	1297.7	1324.3	1192.6	1068.6	1124.9	1251.0	1329.7
75°	872.6	1019.5	988.4	979.4	1019.8	1037.4	938.5	919.5	990.7	1060.7	1061.8
77.5°	628.2	789.9	753.3	700.9	698.1	738.6	751.9	876.3	981.3	1036.6	1012.2
80°	400.2	575.4	537.5	446.0	444.7	497.3	614.3	783.4	894.7	925.5	862.1
82.5°	209.0	376.7	391.1	334.8	383.2	470.4	584.6	631.3	673.5	677.7	603.0
85°	130.2	231.6	272.5	281.2	346.0	417.2	416.3	399.9	381.2	326.2	295.1
87.5°	14.7	29.2	44.2	42.0	56.4	79.0	98.5	57.8	40.5	14.7	20.4
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-7030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	297.1	297.1	297.1	297.1	297.1	297.1	297.1	297.1	297.1	297.1	297.1
2.5°	294.2	294.5	294.8	294.8	296.3	296.0	296.3	296.8	297.7	298.2	298.8
5°	296.6	296.6	297.7	298.5	300.2	301.3	301.9	303.6	305.6	305.0	306.7
7.5°	303.9	303.6	304.7	305.3	306.7	308.7	308.4	309.9	311.5	312.1	313.5
10°	313.8	312.9	312.9	312.4	312.7	312.1	312.1	312.1	313.2	312.9	314.0
12.5°	324.0	323.7	323.2	321.5	321.5	319.2	318.0	316.7	316.4	314.3	314.6
15°	344.9	344.9	343.8	340.4	337.6	335.6	332.7	330.8	328.0	324.3	322.3
17.5°	375.5	371.5	370.1	369.6	365.0	363.4	357.1	350.6	347.5	342.4	339.5
20°	412.9	412.1	406.4	403.5	398.0	390.0	382.0	373.6	368.5	362.2	358.8
22.5°	455.2	448.9	446.0	441.8	433.0	424.0	412.1	400.7	392.8	388.6	386.0
25°	504.4	498.1	495.4	489.7	478.9	469.3	454.5	441.2	434.1	427.1	423.1
27.5°	569.9	563.9	560.5	545.8	542.0	526.2	508.1	490.0	480.7	470.1	463.4
30°	667.5	667.8	650.2	632.4	614.0	586.5	567.5	547.2	531.9	516.8	501.9
32.5°	832.7	790.4	757.9	719.6	679.7	650.5	627.1	602.7	581.4	559.6	534.7
35°	933.5	913.0	870.9	800.9	760.7	725.3	699.3	669.8	643.7	605.2	567.3
37.5°	1047.4	1000.0	948.7	910.0	864.4	823.3	779.7	746.2	701.2	649.4	595.6
40°	1213.6	1145.9	1084.1	1032.0	973.1	930.1	881.3	832.9	773.1	698.1	624.2
42.5°	1387.2	1317.2	1235.6	1168.0	1098.6	1048.2	987.8	919.9	832.1	739.2	648.8
45°	1569.3	1475.8	1378.1	1295.4	1223.2	1160.6	1085.9	995.7	888.7	776.0	671.8
47.5°	1748.8	1641.5	1525.1	1436.2	1342.1	1265.7	1173.9	1060.1	932.9	810.8	694.7
50°	1907.2	1803.7	1663.5	1550.6	1455.5	1361.1	1246.7	1109.6	967.7	840.8	715.4
52.5°	2043.6	1954.7	1807.2	1664.5	1554.8	1448.9	1305.3	1149.6	1002.9	868.6	732.4
55°	2143.9	2084.8	1948.8	1771.7	1642.3	1516.0	1354.9	1188.1	1036.0	890.7	743.4
57.5°	2219.5	2186.7	2070.0	1872.8	1722.8	1581.1	1406.1	1234.2	1068.8	909.7	748.6
60°	2260.9	2270.0	2161.8	1961.2	1793.9	1635.5	1457.4	1273.6	1093.2	920.7	745.7
62.5°	2256.9	2312.4	2230.5	2015.6	1835.2	1667.8	1491.9	1292.0	1089.8	903.2	719.9
63°	2249.2	2313.9	2238.2	2019.3	1837.8	1668.9	1492.8	1289.5	1082.7	894.7	709.8
65°	2183.3	2281.2	2231.7	2002.6	1815.1	1647.7	1475.0	1252.7	1032.8	849.0	657.3
67.5°	2006.5	2129.2	2115.0	1884.5	1707.7	1559.9	1383.7	1134.0	909.7	736.9	557.1
70°	1714.5	1829.9	1832.4	1639.0	1491.4	1346.4	1200.0	922.7	721.0	571.3	415.4
72.5°	1314.1	1388.3	1414.1	1286.6	1187.8	1085.9	954.4	669.8	514.0	388.6	270.4
75°	1017.6	997.2	996.9	943.1	902.9	853.0	708.6	452.0	337.6	252.7	165.4
77.5°	914.8	824.1	736.4	671.8	639.4	622.8	464.7	272.5	199.1	145.3	95.2
80°	754.5	620.8	501.6	431.9	404.2	423.4	259.2	147.3	109.0	82.7	61.8
82.5°	520.3	431.9	328.3	271.9	233.4	244.1	132.6	75.3	50.4	46.1	38.2
85°	271.1	237.6	200.6	172.2	152.1	133.7	68.8	36.0	20.9	18.4	16.7
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°	297.1	297.1	297.1	297.1	297.1	297.1	297.1	297.1	297.1	297.1	297.1
2.5°	299.6	299.4	299.9	300.2	301.0	301.6	301.9	301.3	302.1	303.1	302.5
5°	307.5	309.6	309.9	310.7	310.7	312.4	312.4	312.4	312.1	312.4	311.8
7.5°	314.3	316.9	317.2	318.3	318.6	320.6	319.7	320.3	320.3	318.9	318.3
10°	315.3	317.8	319.2	320.6	322.6	325.1	325.1	326.5	326.5	325.4	325.1
12.5°	315.5	317.5	318.9	320.8	323.7	327.4	329.4	331.4	332.2	331.9	331.1
15°	321.5	321.5	321.8	323.4	325.4	330.0	332.7	335.1	336.5	335.9	334.5
17.5°	337.0	334.8	333.0	330.2	330.8	333.0	334.8	336.7	337.0	336.5	334.2
20°	355.2	352.3	348.1	343.5	341.3	339.5	338.4	338.4	337.6	334.8	331.1
22.5°	380.9	377.2	371.3	364.5	360.0	354.6	348.1	341.9	335.1	328.3	320.3
25°	416.6	411.5	405.3	394.8	385.2	373.9	360.6	346.6	330.5	316.4	304.7
27.5°	452.6	441.2	425.1	410.7	392.8	375.8	356.8	339.8	319.2	302.1	289.4
30°	482.3	460.7	437.6	414.6	391.1	368.2	345.5	325.1	302.5	285.2	272.7
32.5°	505.2	475.5	443.3	413.2	384.3	356.3	330.2	307.5	284.7	266.8	253.5
35°	526.5	485.1	444.1	407.0	371.3	342.1	312.7	288.0	263.6	244.9	230.5
37.5°	542.3	489.7	439.0	395.4	354.3	321.8	291.7	266.5	241.6	221.2	204.7
40°	552.6	486.8	427.9	378.6	334.2	299.9	269.3	243.3	219.2	196.8	177.0
42.5°	560.7	483.2	416.9	363.4	318.3	280.9	249.5	221.5	197.1	172.7	151.0
45°	572.9	486.0	412.1	352.6	304.2	264.8	230.2	201.1	175.6	151.8	130.9
47.5°	584.8	487.4	405.0	339.3	286.3	248.1	212.9	184.7	158.6	136.7	117.5
50°	595.6	486.5	394.0	322.3	269.0	231.4	197.4	169.1	143.3	123.2	105.1
52.5°	600.7	481.8	380.4	305.9	255.2	216.7	182.1	154.6	129.1	110.1	93.5
55°	600.1	469.3	362.5	290.3	239.9	201.1	167.1	139.9	116.9	99.4	84.9
57.5°	591.6	450.0	343.5	273.0	219.8	181.9	149.5	123.2	103.9	89.2	77.0
60°	573.8	425.4	318.6	247.8	194.6	158.0	127.7	105.1	89.5	78.1	70.2
62.5°	540.4	390.0	287.4	212.7	160.6	127.2	100.8	86.1	74.5	67.7	64.0
63°	530.4	380.4	274.1	204.2	152.7	120.1	95.2	79.9	71.3	65.4	62.0
65°	481.2	333.0	229.4	164.8	118.7	92.7	76.5	64.8	59.7	57.2	56.9
67.5°	389.7	262.0	162.2	113.0	80.7	66.9	58.6	53.8	51.5	51.0	51.5
70°	273.6	165.4	103.1	75.1	59.7	53.8	50.1	48.2	46.7	47.0	47.5
72.5°	174.4	99.2	70.8	56.9	50.4	47.3	45.6	45.0	44.7	44.5	44.5
75°	99.4	66.0	54.4	49.3	45.9	43.3	42.0	41.3	41.7	42.0	41.3
77.5°	65.7	54.4	48.5	45.0	42.0	39.1	38.2	38.0	38.5	39.1	39.1
80°	51.8	48.5	45.0	41.7	36.6	34.5	35.2	35.4	35.2	35.4	34.5
82.5°	36.6	36.0	36.8	35.4	30.3	28.6	28.0	28.3	27.7	27.7	27.2
85°	17.0	17.0	17.9	17.9	17.3	17.6	19.0	20.7	21.5	20.7	19.5
87.5°	0.0	0.0	0.0	0.0	0.0	2.5	5.1	7.3	7.9	10.0	9.7
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-7030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	297.1	297.1	297.1	297.1	297.1	297.1	297.1	297.1	297.1	297.1	297.1
2.5°	301.6	302.1	301.9	301.6	302.1	301.6	301.9	301.6	301.6	301.3	301.3
5°	311.3	312.1	310.4	310.1	309.6	308.1	308.1	307.5	307.5	306.4	305.6
7.5°	317.5	317.8	316.4	316.1	314.6	313.2	312.1	311.0	310.7	309.9	308.1
10°	323.4	322.9	321.8	320.3	318.9	316.9	315.5	314.0	313.8	312.4	310.4
12.5°	328.6	328.3	326.0	324.6	322.3	320.3	318.6	316.9	316.1	314.3	311.5
15°	331.9	330.2	327.4	324.8	322.3	320.0	318.0	316.1	315.3	313.2	310.4
17.5°	330.5	327.4	323.7	320.6	317.2	314.3	312.7	310.7	309.3	308.1	304.2
20°	325.4	320.8	315.3	311.5	307.0	303.4	302.1	300.2	299.1	294.8	289.8
22.5°	312.1	305.6	298.5	293.1	288.0	284.4	281.5	279.5	276.7	274.1	266.2
25°	295.4	288.0	280.7	274.1	267.4	261.7	256.6	251.8	250.3	244.9	237.3
27.5°	279.3	271.1	263.6	256.0	247.3	240.2	231.4	224.6	220.1	214.4	207.4
30°	262.0	253.8	243.8	233.7	223.4	215.8	205.9	197.7	192.0	186.0	179.5
32.5°	240.2	230.2	218.3	207.1	197.7	188.7	178.7	170.8	165.1	159.7	153.5
35°	215.3	202.2	189.5	177.0	167.1	159.4	150.7	144.7	140.7	135.9	129.4
37.5°	186.6	171.9	158.3	148.7	139.9	132.6	126.3	122.6	118.4	115.8	111.9
40°	157.8	143.3	130.0	121.2	113.9	109.6	106.2	105.4	102.5	99.2	96.6
42.5°	132.3	118.4	105.4	98.2	93.5	92.4	90.6	90.6	89.2	86.7	84.9
45°	115.0	100.6	89.2	84.1	81.6	81.3	80.5	80.5	80.2	79.0	77.0
47.5°	102.5	89.5	80.7	77.6	77.0	76.5	75.6	75.3	75.1	74.2	73.0
50°	91.2	80.2	74.5	73.0	73.4	72.5	71.6	70.8	70.5	69.7	68.6
52.5°	80.7	72.7	69.1	68.3	68.3	68.3	67.7	67.7	67.2	66.9	65.7
55°	74.8	68.8	66.9	66.5	66.2	66.0	65.4	65.4	64.8	64.6	63.2
57.5°	69.7	66.0	64.8	64.3	64.0	63.4	63.2	63.2	63.2	63.2	61.5
60°	65.7	64.0	63.7	63.2	62.9	61.8	61.2	60.9	61.2	61.5	59.7
62.5°	61.5	61.2	60.9	60.3	60.0	58.9	58.0	57.5	58.0	58.6	58.3
63°	60.3	60.0	60.0	59.7	59.4	58.0	57.2	56.7	57.2	57.8	57.8
65°	56.4	56.7	56.7	56.4	56.1	55.3	54.0	53.5	53.8	54.7	55.0
67.5°	52.1	52.4	52.1	52.4	52.1	51.5	50.7	50.1	49.9	50.1	50.4
70°	48.2	48.7	48.5	48.2	47.9	47.9	47.3	46.4	46.1	45.9	45.9
72.5°	44.7	44.7	44.2	44.2	43.9	43.9	43.3	42.5	42.2	42.2	41.7
75°	41.0	41.0	40.2	40.2	39.6	39.9	39.3	38.5	38.2	38.2	38.0
77.5°	38.8	38.0	36.6	36.3	36.0	36.0	35.7	34.8	34.5	34.5	34.2
80°	34.2	32.6	31.2	30.9	31.2	31.7	31.7	31.2	31.2	31.2	31.2
82.5°	26.6	26.0	25.2	24.7	24.7	25.5	26.6	27.2	27.7	28.3	28.3
85°	19.5	19.8	19.5	18.7	18.4	19.3	20.4	21.5	21.8	23.0	22.7
87.5°	10.5	10.8	10.0	9.7	10.5	11.1	12.2	12.5	13.0	13.3	13.6
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°	297.1	297.1	297.1	297.1	297.1	297.1	297.1	297.1	297.1	297.1	297.1
2.5°	301.0	300.7	301.0	300.5	300.5	299.9	299.4	299.1	298.5	298.2	297.7
5°	306.1	305.3	304.5	304.2	303.1	301.9	301.0	299.6	298.5	296.6	296.0
7.5°	309.6	307.5	306.4	306.1	304.5	303.6	301.6	299.9	298.2	295.6	294.8
10°	311.0	309.0	307.0	306.1	304.2	302.8	300.7	298.2	296.8	294.2	293.7
12.5°	312.7	309.0	305.9	303.6	300.7	297.7	295.6	294.2	292.3	290.9	290.3
15°	309.6	304.7	299.9	295.6	291.2	287.7	285.8	283.5	281.2	280.4	280.4
17.5°	301.0	294.8	286.6	281.2	276.4	272.7	270.1	267.9	267.6	266.5	267.1
20°	283.5	275.3	267.4	263.4	260.6	258.3	255.7	254.6	253.8	252.1	251.5
22.5°	259.2	252.4	246.7	243.8	241.6	238.8	236.5	233.1	232.2	230.5	229.7
25°	232.2	226.9	222.0	220.1	218.6	214.7	213.3	208.7	205.6	203.6	204.7
27.5°	205.3	201.4	196.8	194.3	193.4	189.8	188.4	183.3	180.7	180.7	177.9
30°	177.6	173.9	171.1	168.2	167.6	163.2	159.4	157.5	154.6	153.5	151.5
32.5°	151.5	147.8	145.6	144.2	141.9	138.2	134.5	131.2	126.6	124.9	124.0
35°	127.4	124.7	121.8	120.7	117.5	113.6	109.0	106.2	100.8	98.9	98.0
37.5°	109.0	105.7	103.6	100.6	97.4	93.2	89.8	87.3	85.2	84.4	84.4
40°	94.3	91.7	89.5	87.0	84.4	82.1	80.5	79.9	79.6	79.6	80.2
42.5°	83.3	81.0	79.9	78.4	77.6	77.6	77.3	77.6	77.9	78.1	79.0
45°	75.9	74.5	74.0	73.7	74.2	74.8	75.1	75.6	76.7	77.3	77.6
47.5°	71.9	70.8	70.5	70.8	71.6	72.7	74.0	74.8	75.6	75.9	76.2
50°	68.0	66.5	66.0	66.5	67.7	69.4	70.2	71.6	72.2	72.7	72.2
52.5°	64.6	63.4	63.2	63.2	64.3	65.4	66.5	67.7	68.0	68.0	67.7
55°	61.8	60.9	60.0	60.7	61.5	62.6	64.3	65.1	65.7	66.0	66.0
57.5°	59.4	58.6	57.8	58.3	59.2	60.3	62.0	62.9	63.4	64.3	64.6
60°	57.8	56.7	55.8	56.7	57.5	59.2	60.7	61.5	62.9	63.2	63.2
62.5°	56.1	55.0	53.5	54.4	54.4	55.3	56.7	57.8	59.2	59.7	59.7
63°	55.8	54.7	53.2	53.8	53.8	54.4	55.5	56.7	58.3	58.9	58.6
65°	53.5	53.2	51.8	51.8	51.3	51.8	52.7	53.8	54.7	55.5	55.5
67.5°	49.9	49.6	49.3	49.3	49.3	49.9	50.4	51.3	52.1	52.7	52.4
70°	45.6	45.6	45.6	45.9	45.9	46.4	46.7	46.4	47.3	47.9	47.5
72.5°	42.0	41.7	41.3	42.0	41.7	41.7	42.2	42.0	42.8	42.8	43.1
75°	38.0	37.7	37.7	38.0	37.4	36.8	37.1	37.1	37.4	37.4	38.0
77.5°	34.5	34.5	34.5	34.2	33.7	33.4	33.1	33.1	33.1	33.1	33.4
80°	31.4	31.4	31.4	31.2	30.6	30.0	29.5	29.2	28.9	27.4	27.4
82.5°	28.3	28.3	28.3	28.3	28.0	27.4	26.6	24.4	23.3	22.0	22.4
85°	22.4	23.0	23.5	24.4	24.1	24.1	22.4	19.5	17.9	16.7	17.0
87.5°	14.4	12.7	12.7	12.5	11.9	11.3	11.3	9.7	7.9	7.1	7.3
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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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	297.1	297.1	297.1	297.1	297.1	297.1	297.1	297.1	297.1	297.1	297.1	0°
2.5°	297.7	297.1	296.6	296.6	295.6	295.6	295.1	296.3	295.1	294.2	294.2	2.5°
5°	295.4	294.8	293.1	292.8	291.7	291.7	291.7	291.2	291.2	290.6	290.3	5°
7.5°	294.0	292.6	291.2	290.3	290.3	289.8	290.9	290.3	290.6	290.6	290.9	7.5°
10°	292.8	291.7	291.2	290.9	290.9	291.7	292.6	292.8	292.6	292.8	292.8	10°
12.5°	290.0	290.6	290.9	292.0	293.4	295.1	297.1	297.4	298.0	298.0	298.5	12.5°
15°	280.9	282.3	284.1	286.9	290.6	294.2	298.0	301.0	303.9	305.3	306.4	15°
17.5°	268.2	269.6	272.7	275.8	280.7	286.0	292.3	297.7	303.6	309.0	314.3	17.5°
20°	250.9	253.2	254.0	259.7	265.4	272.7	280.1	288.6	298.8	309.0	319.4	20°
22.5°	228.6	231.1	235.1	239.6	245.6	254.6	263.4	276.7	290.3	304.7	321.1	22.5°
25°	203.6	206.4	209.9	214.7	220.7	230.2	243.0	257.1	273.9	292.8	313.2	25°
27.5°	177.9	180.7	183.5	186.9	193.7	203.9	218.9	233.7	252.1	272.7	296.6	27.5°
30°	152.1	152.4	154.0	158.3	165.4	178.7	189.8	208.2	227.4	249.2	276.7	30°
32.5°	123.7	123.4	125.5	129.1	135.9	148.7	162.2	180.1	199.1	226.6	254.9	32.5°
35°	98.5	98.5	102.2	106.0	113.6	122.6	134.5	150.4	172.7	198.2	226.6	35°
37.5°	85.2	87.3	89.5	93.2	99.2	106.2	116.7	130.6	148.1	172.5	198.5	37.5°
40°	81.0	82.1	84.1	87.5	92.7	99.2	106.8	117.2	130.9	150.4	174.1	40°
42.5°	79.3	79.6	80.7	83.3	87.8	94.3	102.2	111.6	121.8	135.6	156.4	42.5°
45°	77.6	77.3	77.9	79.9	83.5	90.9	100.0	110.1	120.4	132.0	148.9	45°
47.5°	76.2	76.2	76.2	77.0	80.5	87.8	98.2	110.1	122.3	135.3	152.1	47.5°
50°	72.2	71.9	71.9	72.5	75.1	83.0	95.4	109.9	125.8	142.7	161.7	50°
52.5°	67.7	67.7	68.0	68.3	70.5	78.4	92.4	109.9	129.7	152.4	176.2	52.5°
55°	66.2	66.5	66.9	66.5	68.3	75.1	88.9	108.2	131.4	160.0	191.7	55°
57.5°	65.1	65.7	65.7	65.4	66.5	72.2	85.5	104.7	130.0	162.9	202.8	57.5°
60°	63.4	63.4	63.4	62.6	63.2	68.3	80.5	99.4	125.5	160.3	204.5	60°
62.5°	59.7	59.7	59.2	58.9	58.6	62.6	73.7	91.4	117.2	153.5	200.2	62.5°
63°	58.9	58.6	58.6	57.8	57.8	61.5	72.2	90.3	115.0	151.8	198.5	63°
65°	55.8	55.8	55.8	55.3	55.0	57.8	66.5	82.4	106.2	143.9	190.0	65°
67.5°	52.4	52.7	52.1	51.8	51.5	53.2	60.0	72.5	92.7	127.2	174.1	67.5°
70°	47.5	47.9	47.9	47.5	47.3	48.5	52.7	62.3	76.7	106.0	148.4	70°
72.5°	43.3	43.9	43.9	44.5	44.5	45.3	47.0	51.8	61.5	82.7	116.7	72.5°
75°	38.8	39.1	39.6	40.2	39.6	39.3	39.6	43.3	48.2	61.2	83.3	75°
77.5°	34.8	35.7	35.7	35.4	34.5	34.0	34.0	35.7	39.6	46.4	59.4	77.5°
80°	28.9	30.3	30.6	29.8	28.9	28.9	29.5	30.6	33.1	38.2	45.0	80°
82.5°	23.3	24.7	24.9	25.2	24.9	25.8	25.8	26.0	27.4	31.4	36.8	82.5°
85°	17.9	19.0	19.8	20.1	20.4	20.7	20.4	19.0	19.8	22.4	24.9	85°
87.5°	7.9	8.2	7.6	7.9	7.6	7.9	8.2	6.8	6.5	8.7	9.0	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°
297.1	297.1	297.1	297.1	297.1	297.1	297.1
294.0	294.0	294.2	293.7	293.7	294.0	293.1
289.4	290.6	290.6	290.6	290.0	290.6	290.9
290.6	291.4	292.0	292.0	291.7	292.8	293.7
292.0	293.4	294.0	294.0	294.0	295.4	297.4
297.4	298.5	299.4	299.4	299.9	301.6	303.9
307.3	308.7	308.7	308.4	310.1	312.1	314.6
318.3	322.3	324.3	324.0	325.4	328.0	330.8
328.8	339.8	344.7	348.1	349.5	352.8	353.8
337.6	356.0	369.3	380.7	386.0	389.4	393.4
334.5	359.4	383.2	406.4	422.8	439.5	446.6
321.8	352.8	384.0	418.0	447.7	477.5	499.0
306.1	343.5	385.5	433.6	480.7	526.2	562.4
288.3	334.8	388.6	448.0	509.8	569.5	622.0
266.0	318.0	380.9	449.5	522.2	594.7	662.7
237.6	295.4	363.1	439.3	522.8	605.8	687.1
209.3	266.8	340.4	424.6	515.4	608.4	702.3
189.5	241.3	317.5	405.9	503.5	604.4	709.8
175.9	222.9	297.1	388.8	490.8	597.3	710.9
174.7	215.0	283.8	376.4	480.7	591.1	710.9
184.4	219.2	279.3	370.1	476.4	589.1	711.4
202.5	236.2	287.4	375.0	479.7	591.6	714.0
224.3	262.0	309.6	391.7	494.2	600.1	719.6
244.1	291.7	347.3	424.0	520.6	621.7	735.5
255.7	317.2	387.2	469.3	565.6	664.4	767.3
257.1	331.4	422.5	518.5	620.2	713.4	818.0
256.0	332.5	427.1	527.9	631.8	725.6	835.4
249.8	332.7	439.8	560.7	672.1	776.8	884.5
234.0	323.7	444.4	586.5	722.8	844.3	975.9
206.4	298.0	431.1	587.1	742.3	882.0	1033.7
166.0	248.9	373.6	534.1	690.8	844.8	1018.7
121.5	183.0	282.3	413.8	563.6	703.2	872.6
80.7	118.4	190.3	294.8	404.2	506.1	628.2
55.5	73.4	111.3	177.3	247.3	296.8	400.2
40.7	48.5	61.8	90.6	119.0	146.4	209.0
25.5	27.7	30.9	44.7	64.0	86.4	130.2
6.8	7.1	6.5	8.7	13.9	13.3	14.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)