

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: P180967

Luminaire Tested: **ICM-E02-LED-E1-SLL-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180967
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-E02-LED-E1-SLL-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (42) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4728.1 lumens
Efficiency: N/A
Efficacy: 90.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

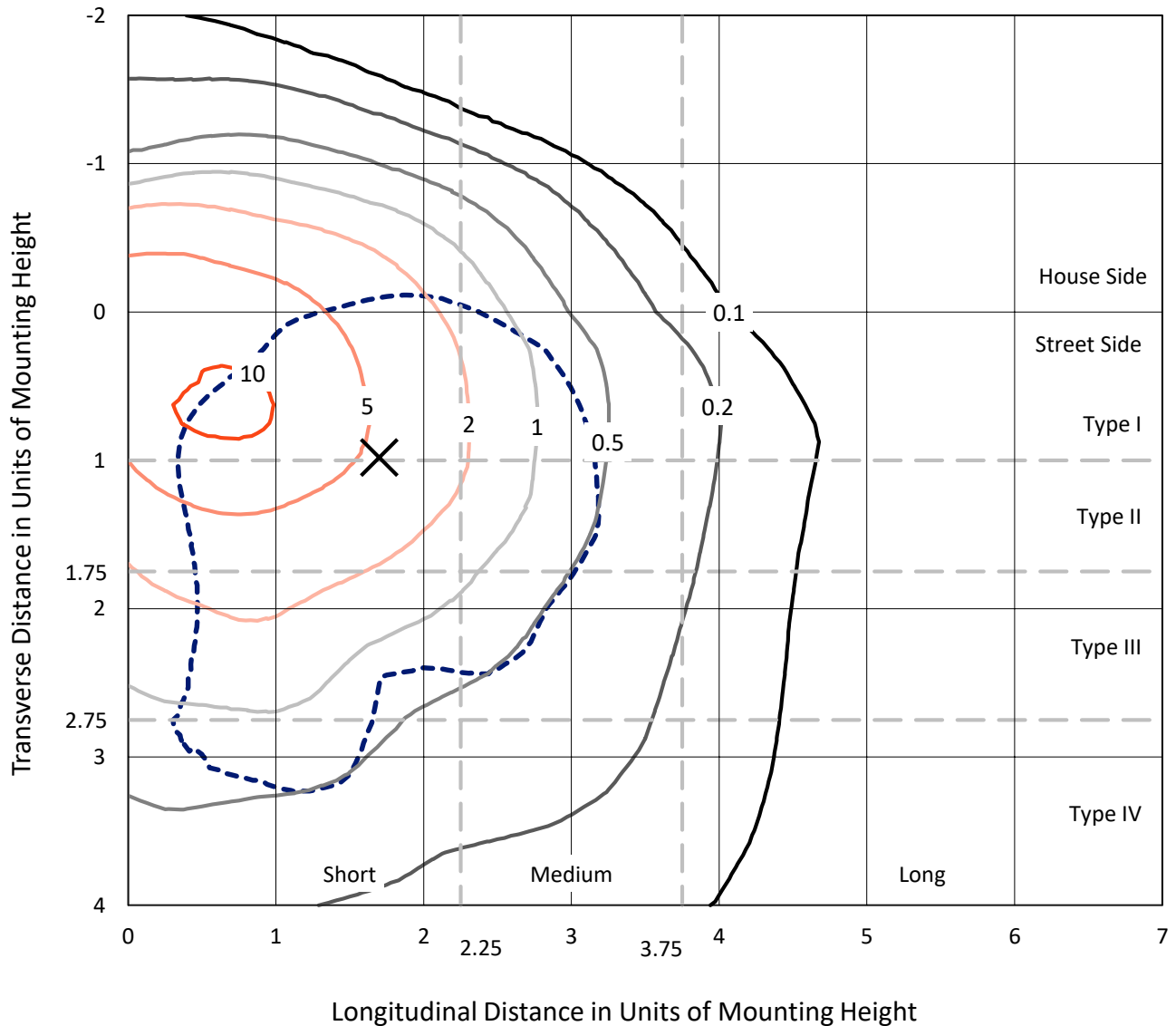
Input Watts (W): 52.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

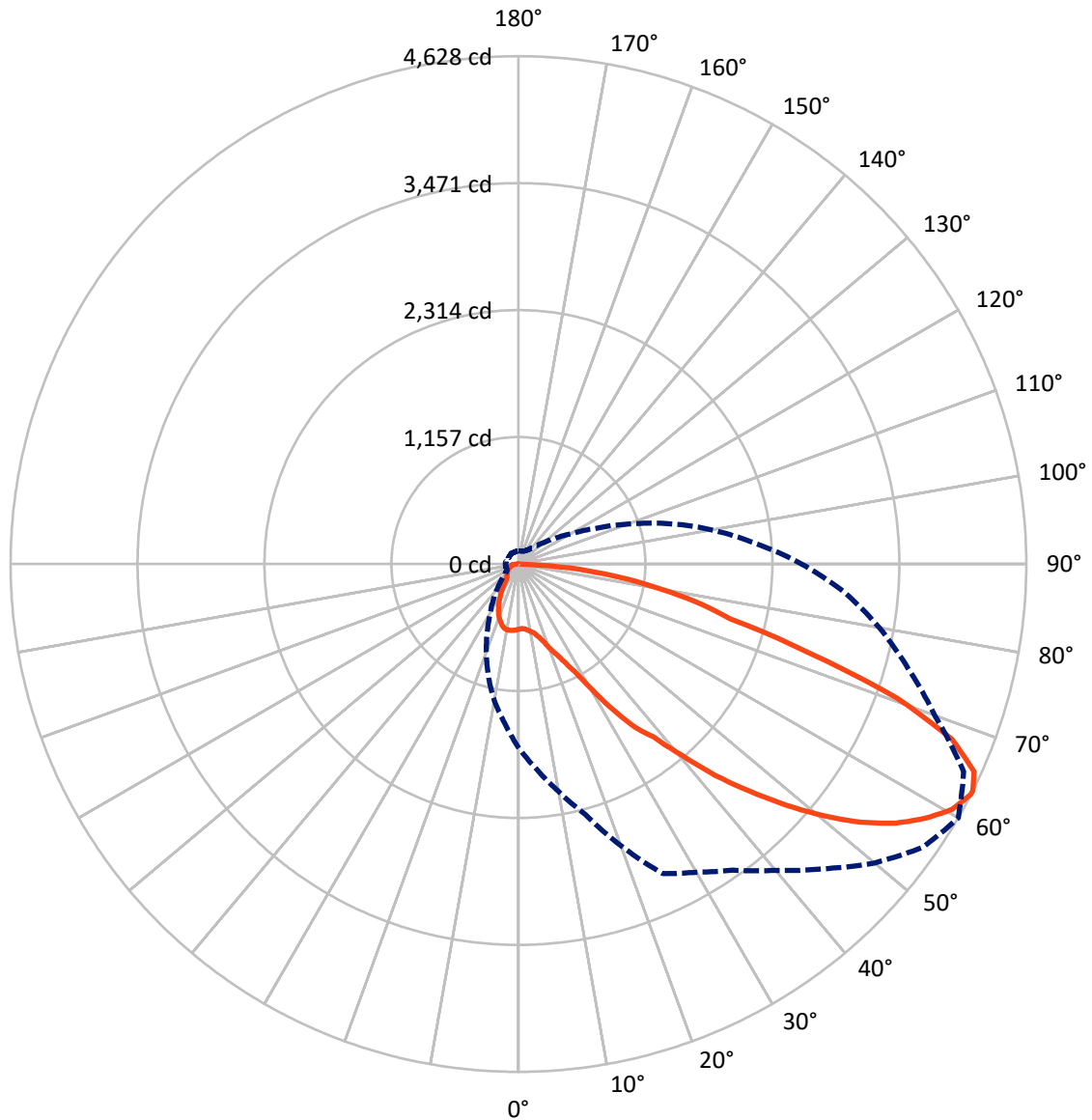
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.7 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	1025.3	0.0	1025.3
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	3702.8	0.0	3702.8
	% Fixture	78.3	0.0	78.3
Total	Lumens	4728.1	0.0	4728.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.8	1.2
10°-20°	180.1	3.8
20°-30°	320.0	6.8
30°-40°	504.0	10.7
40°-50°	741.7	15.7
50°-60°	985.1	20.8
60°-70°	1085.1	23.0
70°-80°	680.8	14.4
80°-90°	173.4	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°	4728.1	100.0
0°-180°	4728.1	100.0



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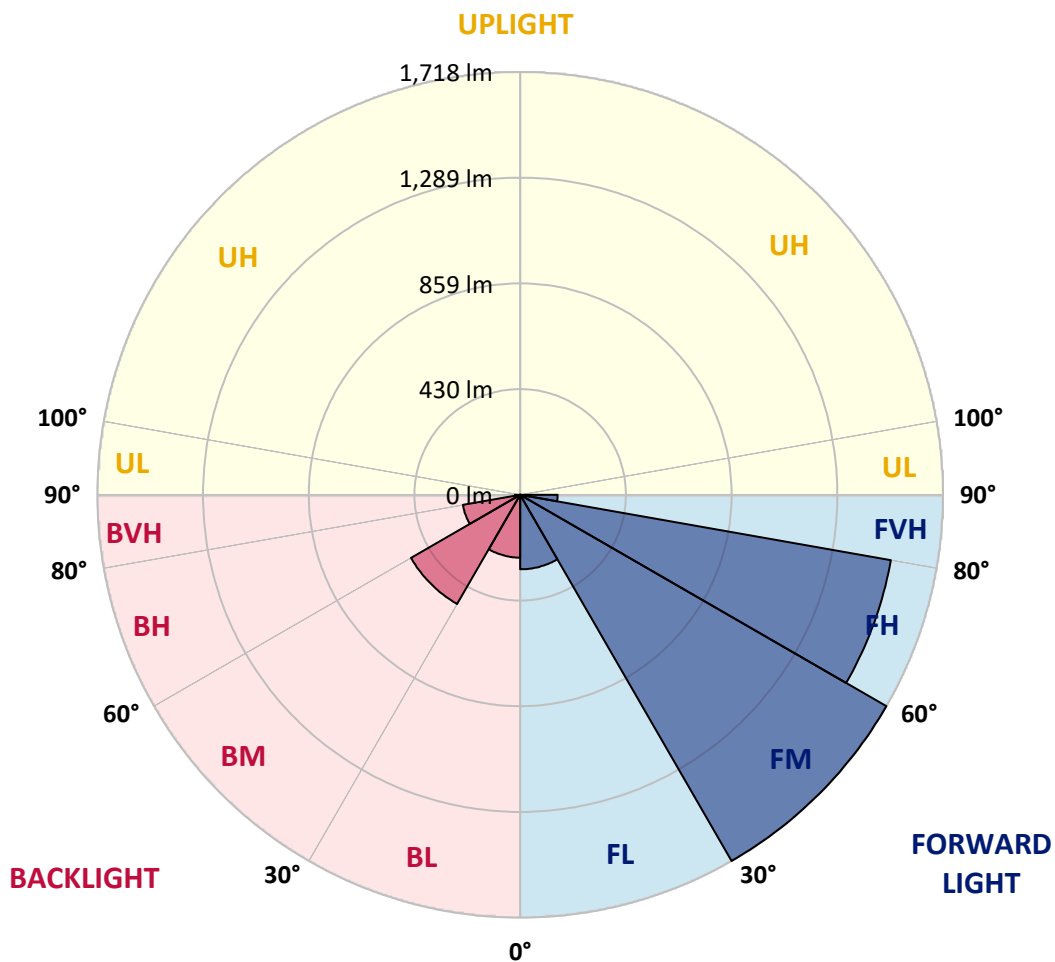
CATALOG NUMBER: ICM-E02-LED-E1-SLL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	302.7	6.4			
FM	(30°-60°)	1718.3	36.3			
FH	(60°-80°)	1529.6	32.4			G1/1800
FVH	(80°-90°)	152.2	3.2			G2/225
BL	(0°-30°)	255.3	5.4	B1/500		
BM	(30°-60°)	512.5	10.8	B1/1000		
BH	(60°-80°)	236.3	5.0	B1/500		G1/500
BVH	(80°-90°)	21.2	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-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	594.1	594.1	594.1	594.1	594.1	594.1	594.1	594.1	594.1	594.1	594.1
2.5°	586.2	587.4	587.4	586.8	586.8	587.9	587.4	586.8	585.1	587.4	587.4
5°	581.7	582.9	582.9	584.0	585.1	586.2	586.2	587.4	586.8	589.1	590.8
7.5°	587.4	588.5	590.8	593.6	595.4	599.3	599.3	602.1	603.3	604.9	604.4
10°	594.7	597.6	602.7	607.2	610.6	615.2	618.5	622.5	622.5	624.2	625.3
12.5°	607.7	610.6	616.3	622.0	627.1	632.7	637.8	641.8	645.7	646.9	649.1
15°	629.3	632.7	641.2	649.1	655.4	662.7	669.5	677.4	684.8	686.5	687.6
17.5°	661.6	668.4	674.6	688.7	697.9	707.4	718.2	729.6	731.8	743.7	746.5
20°	707.4	715.9	721.6	739.2	754.5	767.0	782.8	795.8	800.9	812.3	823.5
22.5°	786.8	785.0	793.6	811.1	822.4	847.4	860.9	874.5	881.3	898.3	907.4
25°	893.2	902.3	921.0	922.7	933.5	962.3	979.9	993.5	994.1	999.2	1008.8
27.5°	998.1	1035.4	1064.8	1080.8	1109.6	1136.3	1135.1	1154.3	1124.4	1130.6	1139.6
30°	1124.9	1187.3	1242.7	1280.1	1309.6	1340.8	1356.0	1366.8	1353.8	1348.1	1337.3
32.5°	1243.8	1331.1	1416.7	1482.9	1537.9	1589.4	1623.4	1638.6	1656.8	1702.7	1719.1
35°	1325.4	1448.9	1555.4	1651.1	1742.9	1825.0	1884.5	1918.4	1905.4	1899.2	1895.8
37.5°	1374.1	1524.8	1658.0	1793.3	1898.6	2021.6	2113.9	2203.4	2223.7	2188.1	2170.5
40°	1404.8	1583.2	1754.2	1914.0	2050.4	2209.0	2323.5	2457.7	2559.6	2573.2	2531.4
42.5°	1419.5	1622.2	1821.6	2002.3	2187.0	2381.2	2526.2	2688.8	2841.1	2946.0	2919.9
45°	1421.7	1647.7	1870.9	2082.2	2302.0	2532.5	2719.4	2899.6	3103.5	3283.0	3288.1
47.5°	1421.7	1667.0	1904.8	2139.9	2405.0	2663.9	2867.8	3080.8	3330.5	3543.0	3608.1
50°	1422.9	1680.0	1936.6	2185.2	2483.7	2774.9	3005.4	3257.0	3519.7	3750.8	3876.6
52.5°	1427.9	1689.6	1961.5	2217.5	2534.7	2853.0	3112.5	3402.5	3664.2	3901.5	4064.1
55°	1439.3	1703.3	1979.6	2237.4	2568.8	2904.0	3190.1	3502.2	3757.6	3998.4	4225.5
57.5°	1471.0	1727.0	2001.8	2254.9	2587.5	2937.5	3244.5	3545.2	3793.3	4044.2	4311.0
60°	1534.4	1777.4	2039.6	2290.1	2618.5	2999.2	3270.5	3516.4	3767.3	4030.6	4330.3
62.5°	1635.8	1856.2	2092.4	2349.5	2707.5	3094.9	3250.7	3430.3	3664.8	3951.9	4261.8
63°	1671.0	1873.1	2104.3	2362.5	2731.8	3112.5	3242.2	3404.8	3643.8	3927.0	4237.4
65°	1768.9	1948.5	2160.9	2428.3	2832.1	3130.1	3175.9	3272.2	3498.8	3784.9	4093.5
67.5°	1951.9	2131.5	2282.7	2539.3	2916.5	3060.9	2970.3	2982.3	3219.0	3515.2	3792.8
70°	2067.5	2281.6	2360.3	2553.4	2901.2	2958.4	2704.1	2546.6	2736.4	3074.0	3317.0
72.5°	2037.4	2283.3	2274.7	2364.9	2595.4	2648.6	2385.2	2137.1	2249.9	2501.9	2659.4
75°	1745.1	2039.1	1976.8	1958.7	2039.6	2074.8	1877.1	1839.2	1981.3	2121.2	2123.5
77.5°	1256.3	1579.7	1506.7	1401.9	1396.2	1477.2	1503.8	1752.5	1962.6	2073.1	2024.4
80°	800.4	1151.0	1075.1	892.1	889.3	994.6	1228.6	1566.7	1789.3	1851.1	1724.2
82.5°	418.0	753.3	782.2	669.5	766.3	940.8	1169.1	1262.5	1347.0	1355.5	1205.9
85°	260.6	463.4	544.9	562.4	692.2	834.3	832.7	799.8	762.4	652.6	590.2
87.5°	29.5	58.3	88.4	83.8	112.7	158.0	197.1	115.5	81.0	29.5	40.7
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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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	594.1	594.1	594.1	594.1	594.1	594.1	594.1	594.1	594.1	594.1	594.1
2.5°	588.5	589.1	589.7	589.7	592.5	591.9	592.5	593.6	595.4	596.5	597.6
5°	593.0	593.0	595.4	597.0	600.4	602.7	603.8	607.2	611.2	610.1	613.4
7.5°	607.7	607.2	609.5	610.6	613.4	617.4	616.8	619.6	623.1	624.2	627.1
10°	627.6	625.9	625.9	624.7	625.3	624.2	624.2	624.2	626.4	625.9	628.2
12.5°	648.0	647.4	646.3	642.9	642.9	638.3	636.1	633.3	632.7	628.7	629.3
15°	689.9	689.9	687.6	680.8	675.2	671.2	665.6	661.6	655.9	648.6	644.6
17.5°	751.1	743.2	740.3	739.2	730.1	726.7	714.2	701.2	695.0	684.8	679.2
20°	825.9	824.1	812.8	807.2	795.8	780.0	764.1	747.1	736.9	724.5	717.7
22.5°	910.2	897.8	892.1	883.6	866.1	847.9	824.1	801.5	785.6	777.1	772.0
25°	1008.8	996.4	990.7	979.4	957.9	938.5	909.1	882.5	868.3	854.1	846.2
27.5°	1139.6	1127.7	1120.9	1091.5	1084.1	1052.4	1016.2	979.9	961.2	940.3	926.7
30°	1335.1	1335.6	1300.5	1264.8	1228.0	1173.0	1135.1	1094.3	1063.7	1033.7	1003.7
32.5°	1665.3	1580.8	1515.7	1439.3	1359.5	1301.0	1254.1	1205.3	1162.9	1119.3	1069.4
35°	1866.9	1826.2	1741.8	1601.9	1521.4	1450.6	1398.5	1339.5	1287.4	1210.4	1134.5
37.5°	2094.6	2000.0	1897.5	1819.9	1728.8	1646.6	1559.4	1492.6	1402.4	1298.8	1191.2
40°	2427.1	2291.7	2168.3	2064.0	1946.2	1860.1	1762.7	1665.9	1546.3	1396.2	1248.4
42.5°	2774.3	2634.4	2471.3	2335.9	2197.1	2096.3	1975.6	1839.7	1664.1	1478.3	1297.7
45°	3138.5	2951.6	2756.2	2590.8	2446.3	2321.2	2171.6	1991.5	1777.4	1552.0	1343.5
47.5°	3497.7	3283.0	3050.2	2872.3	2684.3	2531.4	2347.8	2120.1	1865.8	1621.7	1389.4
50°	3814.3	3607.6	3327.2	3101.1	2910.8	2722.2	2493.4	2219.3	1935.5	1681.7	1430.8
52.5°	4087.3	3909.4	3614.3	3328.9	3109.7	2897.8	2610.6	2299.1	2005.7	1737.2	1464.8
55°	4287.8	4169.4	3897.5	3543.6	3284.7	3032.0	2709.8	2376.1	2072.0	1781.4	1486.9
57.5°	4439.1	4373.3	4140.0	3745.8	3445.5	3162.3	2812.3	2468.5	2137.7	1819.4	1497.0
60°	4521.8	4539.8	4323.5	3922.4	3587.7	3271.1	2914.8	2547.2	2186.4	1841.4	1491.4
62.5°	4513.8	4624.9	4461.1	4031.2	3670.4	3335.6	2983.9	2584.0	2179.5	1806.3	1439.8
63°	4498.5	4627.7	4476.4	4038.6	3675.6	3337.9	2985.6	2578.9	2165.4	1789.3	1419.5
65°	4366.5	4562.5	4463.4	4005.1	3630.2	3295.5	2950.0	2505.3	2065.8	1698.1	1314.7
67.5°	4013.1	4258.4	4230.1	3769.0	3415.6	3119.8	2767.6	2267.9	1819.4	1473.9	1114.1
70°	3429.1	3659.7	3664.8	3277.9	2982.8	2692.8	2399.9	1845.4	1442.1	1142.5	831.0
72.5°	2628.2	2776.6	2828.1	2573.2	2375.5	2171.6	1908.8	1339.5	1028.1	777.1	540.9
75°	2035.2	1994.3	1993.8	1886.2	1805.8	1706.1	1417.2	904.0	675.2	505.2	330.8
77.5°	1829.5	1648.3	1472.7	1343.5	1279.0	1245.6	929.5	544.9	398.2	290.6	190.3
80°	1508.9	1241.6	1003.2	863.8	808.3	846.8	518.2	294.5	218.0	165.4	123.4
82.5°	1040.5	863.8	656.5	543.7	466.7	488.3	265.1	150.7	100.8	92.4	76.5
85°	542.0	475.3	401.0	344.4	304.2	267.4	137.7	71.9	42.0	36.8	33.4
87.5°	0.0	0.6	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°	594.1	594.1	594.1	594.1	594.1	594.1	594.1	594.1	594.1	594.1	594.1
2.5°	599.3	598.7	599.8	600.4	602.1	603.3	603.8	602.7	604.4	606.1	604.9
5°	615.2	619.1	619.6	621.4	621.4	624.7	624.7	624.7	624.2	624.7	623.6
7.5°	628.7	633.9	634.4	636.7	637.2	641.2	639.4	640.7	640.7	637.8	636.7
10°	630.4	635.5	638.3	641.2	645.1	650.2	650.2	653.1	653.1	650.8	650.2
12.5°	631.0	635.0	637.8	641.8	647.4	654.8	658.8	662.7	664.4	663.8	662.1
15°	642.9	642.9	643.4	646.9	650.8	659.9	665.6	670.1	672.9	671.8	668.9
17.5°	674.1	669.5	666.1	660.5	661.6	666.1	669.5	673.5	674.1	672.9	668.4
20°	710.3	704.7	696.1	687.1	682.5	679.2	676.8	676.8	675.2	669.5	662.1
22.5°	761.9	754.5	742.6	729.0	719.9	709.1	696.1	683.6	670.1	656.5	640.7
25°	833.2	823.0	810.5	789.6	770.3	747.6	721.0	693.3	661.0	632.7	609.5
27.5°	905.1	882.5	850.2	821.3	785.6	751.6	713.7	679.7	638.3	604.4	578.9
30°	964.7	921.6	875.2	829.2	782.2	736.4	691.1	650.2	604.9	570.4	545.5
32.5°	1010.5	951.0	886.4	826.4	768.7	712.6	660.5	615.2	569.2	533.6	507.0
35°	1052.9	970.2	888.2	814.0	742.6	684.3	625.3	576.1	527.4	490.0	461.0
37.5°	1084.7	979.4	878.0	790.7	708.6	643.4	583.4	533.0	483.2	442.4	409.5
40°	1105.1	973.7	855.8	757.3	668.4	599.8	538.7	486.5	438.4	393.7	354.0
42.5°	1121.5	966.3	833.8	726.7	636.7	561.9	499.0	443.0	394.2	345.5	301.9
45°	1145.9	972.0	824.1	705.2	608.4	529.6	460.5	402.1	351.2	303.6	261.7
47.5°	1169.7	974.8	810.0	678.6	572.7	496.2	426.0	369.3	317.2	273.6	235.1
50°	1191.2	973.1	787.9	644.6	538.1	462.8	394.8	338.1	286.6	246.4	210.1
52.5°	1201.4	963.4	760.7	611.7	510.3	433.3	364.2	309.3	258.3	220.4	186.9
55°	1200.3	938.5	725.0	580.6	479.7	402.1	334.2	279.8	234.0	198.8	170.0
57.5°	1183.3	900.0	687.1	546.0	439.5	363.6	299.1	246.4	207.9	178.4	154.0
60°	1147.5	850.8	637.2	495.6	389.1	316.1	255.4	210.1	179.0	156.4	140.5
62.5°	1080.8	780.0	574.9	425.4	321.1	254.3	201.7	172.2	148.9	135.3	128.0
63°	1060.9	760.7	548.3	408.4	305.3	240.2	190.3	159.7	142.7	130.9	124.0
65°	962.3	666.1	458.8	329.7	237.3	185.2	152.9	129.7	119.5	114.4	113.9
67.5°	779.4	523.9	324.6	226.0	161.4	133.7	117.2	107.6	103.1	102.0	103.1
70°	547.2	330.8	206.1	150.1	119.5	107.6	100.3	96.3	93.5	94.0	95.2
72.5°	348.9	198.2	141.6	113.9	100.8	94.6	91.2	90.0	89.5	88.9	88.9
75°	198.8	132.0	108.7	98.5	91.7	86.7	83.8	82.7	83.3	83.8	82.7
77.5°	131.4	108.7	96.8	90.0	83.8	78.1	76.5	75.9	77.0	78.1	78.1
80°	103.6	96.8	90.0	83.3	73.0	69.1	70.2	70.8	70.2	70.8	69.1
82.5°	73.0	71.9	73.7	70.8	60.7	57.2	56.1	56.7	55.5	55.5	54.4
85°	34.0	34.0	35.7	35.7	34.5	35.2	38.0	41.3	43.1	41.3	39.1
87.5°	0.0	0.0	0.0	0.0	0.0	5.1	10.2	14.7	15.8	19.8	19.3
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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CATALOG NUMBER: ICM-E02-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	594.1	594.1	594.1	594.1	594.1	594.1	594.1	594.1	594.1	594.1	594.1
2.5°	603.3	604.4	603.8	603.3	604.4	603.3	603.8	603.3	603.3	602.7	602.7
5°	622.5	624.2	620.8	620.2	619.1	616.3	616.3	615.2	615.2	612.8	611.2
7.5°	635.0	635.5	632.7	632.1	629.3	626.4	624.2	622.0	621.4	619.6	616.3
10°	646.9	645.7	643.4	640.7	637.8	633.9	631.0	628.2	627.6	624.7	620.8
12.5°	657.0	656.5	651.9	649.1	644.6	640.7	637.2	633.9	632.1	628.7	623.1
15°	663.8	660.5	654.8	649.7	644.6	640.1	636.1	632.1	630.4	626.4	620.8
17.5°	661.0	654.8	647.4	641.2	634.4	628.7	625.3	621.4	618.5	616.3	608.4
20°	650.8	641.8	630.4	623.1	614.0	606.6	604.4	600.4	598.1	589.7	579.4
22.5°	624.2	611.2	597.0	586.2	576.1	568.7	563.0	559.1	553.4	548.3	532.5
25°	590.8	576.1	561.3	548.3	534.7	523.4	513.2	503.5	500.7	490.0	474.7
27.5°	558.5	542.0	527.4	512.0	494.5	480.3	462.8	449.2	440.1	428.7	414.6
30°	523.9	507.5	487.7	467.3	446.9	431.6	411.8	395.4	384.0	372.1	359.1
32.5°	480.3	460.5	436.7	414.0	395.4	377.2	357.4	341.6	330.2	319.4	307.0
35°	430.5	404.5	379.0	354.0	334.2	318.9	301.3	289.4	281.5	271.9	258.9
37.5°	373.3	343.8	316.7	297.4	279.8	265.1	252.7	245.3	236.7	231.6	223.7
40°	315.5	286.6	260.0	242.4	227.7	219.2	212.4	210.7	205.0	198.2	193.1
42.5°	264.6	236.7	210.7	196.6	186.9	184.7	181.2	181.2	178.4	173.3	170.0
45°	230.0	201.1	178.4	168.2	163.2	162.6	160.8	160.8	160.3	158.0	154.0
47.5°	205.0	179.0	161.4	155.2	154.0	152.9	151.3	150.7	150.1	148.4	146.1
50°	182.4	160.3	148.9	146.1	146.7	145.0	143.3	141.6	141.0	139.3	137.1
52.5°	161.4	145.6	138.2	136.5	136.5	136.5	135.3	135.3	134.2	133.7	131.4
55°	149.5	137.7	133.7	133.1	132.6	132.0	130.9	130.9	129.7	129.1	126.3
57.5°	139.3	132.0	129.7	128.6	128.0	126.9	126.3	126.3	126.3	126.3	122.9
60°	131.4	128.0	127.4	126.3	125.8	123.4	122.3	121.8	122.3	122.9	119.5
62.5°	122.9	122.3	121.8	120.7	120.1	117.9	116.1	115.0	116.1	117.2	116.7
63°	120.7	120.1	120.1	119.5	119.0	116.1	114.4	113.3	114.4	115.5	115.5
65°	112.7	113.3	113.3	112.7	112.2	110.4	108.2	107.1	107.6	109.3	109.9
67.5°	104.2	104.7	104.2	104.7	104.2	103.1	101.4	100.3	99.7	100.3	100.8
70°	96.3	97.4	96.8	96.3	95.7	95.7	94.6	92.9	92.4	91.7	91.7
72.5°	89.5	89.5	88.4	88.4	87.8	87.8	86.7	84.9	84.4	84.4	83.3
75°	82.1	82.1	80.5	80.5	79.3	79.9	78.7	77.0	76.5	76.5	75.9
77.5°	77.6	75.9	73.0	72.5	71.9	71.9	71.3	69.7	69.1	69.1	68.6
80°	68.6	65.1	62.3	61.8	62.3	63.4	63.4	62.3	62.3	62.3	62.3
82.5°	53.2	52.1	50.4	49.3	49.3	51.0	53.2	54.4	55.5	56.7	56.7
85°	39.1	39.6	39.1	37.4	36.8	38.5	40.7	43.1	43.6	45.9	45.3
87.5°	20.9	21.5	19.8	19.3	20.9	22.0	24.4	24.9	26.0	26.6	27.2
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°	594.1	594.1	594.1	594.1	594.1	594.1	594.1	594.1	594.1	594.1	594.1
2.5°	602.1	601.6	602.1	600.9	600.9	599.8	598.7	598.1	597.0	596.5	595.4
5°	612.3	610.6	608.9	608.4	606.1	603.8	602.1	599.3	597.0	593.0	591.9
7.5°	619.1	615.2	612.8	612.3	608.9	607.2	603.3	599.8	596.5	591.4	589.7
10°	622.0	618.0	614.0	612.3	608.4	605.5	601.6	596.5	593.6	588.5	587.4
12.5°	625.3	618.0	611.7	607.2	601.6	595.4	591.4	588.5	584.6	581.7	580.6
15°	619.1	609.5	599.8	591.4	582.2	575.4	571.5	567.0	562.4	560.7	560.7
17.5°	602.1	589.7	573.2	562.4	552.8	545.5	540.4	535.8	535.3	533.0	534.1
20°	567.0	550.6	534.7	526.8	521.1	516.6	511.4	509.2	507.5	504.1	503.0
22.5°	518.2	504.7	493.4	487.7	483.2	477.5	472.9	466.1	464.5	461.0	459.4
25°	464.5	453.7	444.1	440.1	437.3	429.3	426.5	417.5	411.3	407.3	409.5
27.5°	410.7	402.7	393.7	388.6	386.9	379.5	376.7	366.5	361.4	361.4	355.7
30°	355.2	347.8	342.1	336.5	335.4	326.2	318.9	314.9	309.3	307.0	303.1
32.5°	303.1	295.6	291.2	288.3	283.8	276.4	269.0	262.2	253.2	249.8	248.1
35°	254.9	249.2	243.5	241.3	235.1	227.2	218.0	212.4	201.7	197.7	196.0
37.5°	218.0	211.3	207.4	201.1	194.9	186.3	179.5	174.4	170.5	168.8	168.8
40°	188.7	183.5	179.0	173.9	168.8	164.3	160.8	159.7	159.2	159.2	160.3
42.5°	166.5	162.0	159.7	156.9	155.2	155.2	154.6	155.2	155.7	156.4	158.0
45°	151.8	148.9	147.8	147.3	148.4	149.5	150.1	151.3	153.5	154.6	155.2
47.5°	143.9	141.6	141.0	141.6	143.3	145.6	147.8	149.5	151.3	151.8	152.4
50°	135.9	133.1	132.0	133.1	135.3	138.8	140.5	143.3	144.5	145.6	144.5
52.5°	129.1	126.9	126.3	126.3	128.6	130.9	133.1	135.3	135.9	135.9	135.3
55°	123.4	121.8	120.1	121.2	122.9	125.2	128.6	130.2	131.4	132.0	132.0
57.5°	119.0	117.2	115.5	116.7	118.4	120.7	124.0	125.8	126.9	128.6	129.1
60°	115.5	113.3	111.6	113.3	115.0	118.4	121.2	122.9	125.8	126.3	126.3
62.5°	112.2	109.9	107.1	108.7	108.7	110.4	113.3	115.5	118.4	119.5	119.5
63°	111.6	109.3	106.5	107.6	107.6	108.7	111.0	113.3	116.7	117.9	117.2
65°	107.1	106.5	103.6	103.6	102.5	103.6	105.4	107.6	109.3	111.0	111.0
67.5°	99.7	99.2	98.5	98.5	98.5	99.7	100.8	102.5	104.2	105.4	104.7
70°	91.2	91.2	91.2	91.7	91.7	92.9	93.5	92.9	94.6	95.7	95.2
72.5°	83.8	83.3	82.7	83.8	83.3	83.3	84.4	83.8	85.5	85.5	86.1
75°	75.9	75.3	75.3	75.9	74.8	73.7	74.2	74.2	74.8	74.8	75.9
77.5°	69.1	69.1	69.1	68.6	67.4	66.9	66.2	66.2	66.2	66.2	66.9
80°	62.9	62.9	62.9	62.3	61.2	60.0	58.9	58.3	57.8	55.0	55.0
82.5°	56.7	56.7	56.7	56.7	56.1	55.0	53.2	48.7	46.4	44.2	44.7
85°	44.7	45.9	47.0	48.7	48.2	48.2	44.7	39.1	35.7	33.4	34.0
87.5°	28.9	25.5	25.5	24.9	23.8	22.7	22.7	19.3	15.8	14.1	14.7
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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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	594.1	594.1	594.1	594.1	594.1	594.1	594.1	594.1	594.1	594.1	594.1	0°
2.5°	595.4	594.1	593.0	593.0	591.4	591.4	590.2	592.5	590.2	588.5	588.5	2.5°
5°	590.8	589.7	586.2	585.7	583.4	583.4	583.4	582.2	582.2	581.1	580.6	5°
7.5°	587.9	585.1	582.2	580.6	580.6	579.4	581.7	580.6	581.1	581.1	581.7	7.5°
10°	585.7	583.4	582.2	581.7	581.7	583.4	585.1	585.7	585.1	585.7	585.7	10°
12.5°	580.0	581.1	581.7	584.0	586.8	590.2	594.1	594.7	595.9	595.9	597.0	12.5°
15°	561.9	564.7	568.1	573.8	581.1	588.5	595.9	602.1	607.7	610.6	612.8	15°
17.5°	536.4	539.3	545.5	551.7	561.3	572.1	584.6	595.4	607.2	618.0	628.7	17.5°
20°	501.9	506.4	508.1	519.4	530.7	545.5	560.2	577.2	597.6	618.0	638.9	20°
22.5°	457.1	462.2	470.1	479.2	491.1	509.2	526.8	553.4	580.6	609.5	642.3	22.5°
25°	407.3	412.9	419.7	429.3	441.2	460.5	486.0	514.3	547.7	585.7	626.4	25°
27.5°	355.7	361.4	367.1	373.9	387.4	407.8	437.9	467.3	504.1	545.5	593.0	27.5°
30°	304.2	304.7	308.1	316.7	330.8	357.4	379.5	416.3	454.8	498.4	553.4	30°
32.5°	247.5	247.0	250.9	258.3	271.9	297.4	324.6	360.3	398.2	453.1	509.8	32.5°
35°	197.1	197.1	204.5	211.8	227.2	245.3	269.0	300.7	345.5	396.5	453.1	35°
37.5°	170.5	174.4	179.0	186.3	198.2	212.4	233.4	261.1	296.3	344.9	397.0	37.5°
40°	162.0	164.3	168.2	175.1	185.2	198.2	213.6	234.5	261.7	300.7	348.4	40°
42.5°	158.6	159.2	161.4	166.5	175.6	188.7	204.5	223.2	243.5	271.4	312.7	42.5°
45°	155.2	154.6	155.7	159.7	167.1	181.9	199.9	220.4	240.7	263.9	298.0	45°
47.5°	152.4	152.4	152.4	154.0	160.8	175.6	196.6	220.4	244.7	270.8	304.2	47.5°
50°	144.5	143.9	143.9	145.0	150.1	166.0	190.9	219.8	251.5	285.5	323.4	50°
52.5°	135.3	135.3	135.9	136.5	141.0	156.9	184.7	219.8	259.4	304.7	352.3	52.5°
55°	132.6	133.1	133.7	133.1	136.5	150.1	177.9	216.4	262.8	320.0	383.4	55°
57.5°	130.2	131.4	131.4	130.9	133.1	144.5	171.1	209.6	260.0	325.7	405.6	57.5°
60°	126.9	126.9	126.9	125.2	126.3	136.5	160.8	198.8	250.9	320.6	408.9	60°
62.5°	119.5	119.5	118.4	117.9	117.2	125.2	147.3	183.0	234.5	307.0	400.5	62.5°
63°	117.9	117.2	117.2	115.5	115.5	122.9	144.5	180.7	230.0	303.6	397.0	63°
65°	111.6	111.6	111.6	110.4	109.9	115.5	133.1	164.8	212.4	287.7	380.1	65°
67.5°	104.7	105.4	104.2	103.6	103.1	106.5	120.1	145.0	185.2	254.3	348.4	67.5°
70°	95.2	95.7	95.7	95.2	94.6	96.8	105.4	124.7	153.5	211.8	296.8	70°
72.5°	86.7	87.8	87.8	88.9	88.9	90.6	94.0	103.6	122.9	165.4	233.4	72.5°
75°	77.6	78.1	79.3	80.5	79.3	78.7	79.3	86.7	96.3	122.3	166.5	75°
77.5°	69.7	71.3	71.3	70.8	69.1	68.0	68.0	71.3	79.3	92.9	119.0	77.5°
80°	57.8	60.7	61.2	59.4	57.8	57.8	58.9	61.2	66.2	76.5	90.0	80°
82.5°	46.4	49.3	49.9	50.4	49.9	51.5	51.5	52.1	55.0	62.9	73.7	82.5°
85°	35.7	38.0	39.6	40.2	40.7	41.3	40.7	38.0	39.6	44.7	49.9	85°
87.5°	15.8	16.5	15.3	15.8	15.3	15.8	16.5	13.6	13.0	17.6	18.1	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°
594.1	594.1	594.1	594.1	594.1	594.1	594.1
587.9	587.9	588.5	587.4	587.4	587.9	586.2
578.9	581.1	581.1	581.1	580.0	581.1	581.7
581.1	582.9	584.0	584.0	583.4	585.7	587.4
584.0	586.8	587.9	587.9	587.9	590.8	594.7
594.7	597.0	598.7	598.7	599.8	603.3	607.7
614.6	617.4	617.4	616.8	620.2	624.2	629.3
636.7	644.6	648.6	648.0	650.8	655.9	661.6
657.6	679.7	689.3	696.1	699.0	705.8	707.4
675.2	712.0	738.6	761.3	772.0	778.8	786.8
668.9	718.8	766.3	812.8	845.7	879.1	893.2
643.4	705.8	768.1	836.0	895.5	955.0	998.1
612.3	687.1	770.9	867.2	961.2	1052.4	1124.9
576.7	669.5	777.1	896.1	1019.5	1139.1	1243.8
531.9	636.1	761.9	898.9	1044.5	1189.5	1325.4
475.3	590.8	726.1	878.5	1045.6	1211.5	1374.1
418.6	533.6	680.8	849.0	1030.9	1216.7	1404.8
379.0	482.6	635.0	811.7	1007.1	1208.8	1419.5
351.7	445.8	594.1	777.7	981.6	1194.6	1421.7
349.5	430.0	567.5	752.7	961.2	1182.1	1421.7
368.7	438.4	558.5	740.3	952.8	1178.1	1422.9
405.0	472.4	574.9	750.0	959.5	1183.3	1427.9
448.6	523.9	619.1	783.4	988.4	1200.3	1439.3
488.3	583.4	694.4	847.9	1041.1	1243.3	1471.0
511.4	634.4	774.3	938.5	1131.2	1328.8	1534.4
514.3	662.7	845.1	1037.1	1240.5	1426.8	1635.8
512.0	664.9	854.1	1055.8	1263.7	1451.2	1671.0
499.5	665.6	879.6	1121.5	1344.1	1553.7	1768.9
467.9	647.4	888.7	1173.0	1445.5	1688.5	1951.9
412.9	595.9	862.1	1174.2	1484.6	1763.8	2067.5
331.9	497.9	747.1	1068.3	1381.5	1689.6	2037.4
243.0	365.9	564.7	827.5	1127.2	1406.4	1745.1
161.4	236.7	380.7	589.7	808.3	1012.2	1256.3
111.0	146.7	222.6	354.6	494.5	593.6	800.4
81.6	96.8	123.4	181.2	237.9	292.8	418.0
51.0	55.5	61.8	89.5	128.0	172.7	260.6
13.6	14.1	13.0	17.6	27.7	26.6	29.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)