

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: P180968

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

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180968  
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  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT  
Light Source: (42) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5176.7 lumens  
Efficiency: N/A  
Efficacy: 99.4 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

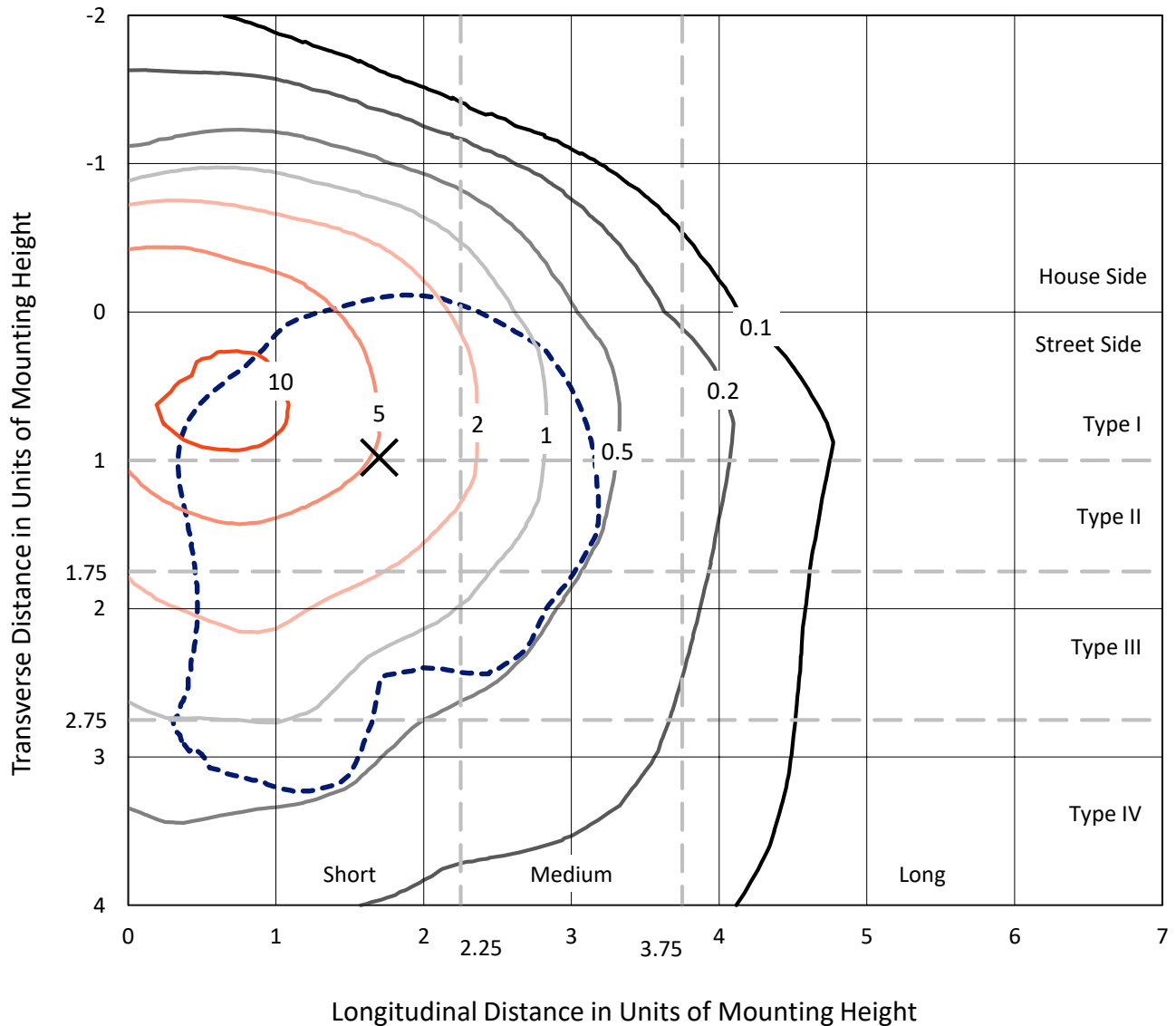
Input Watts (W): 52.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

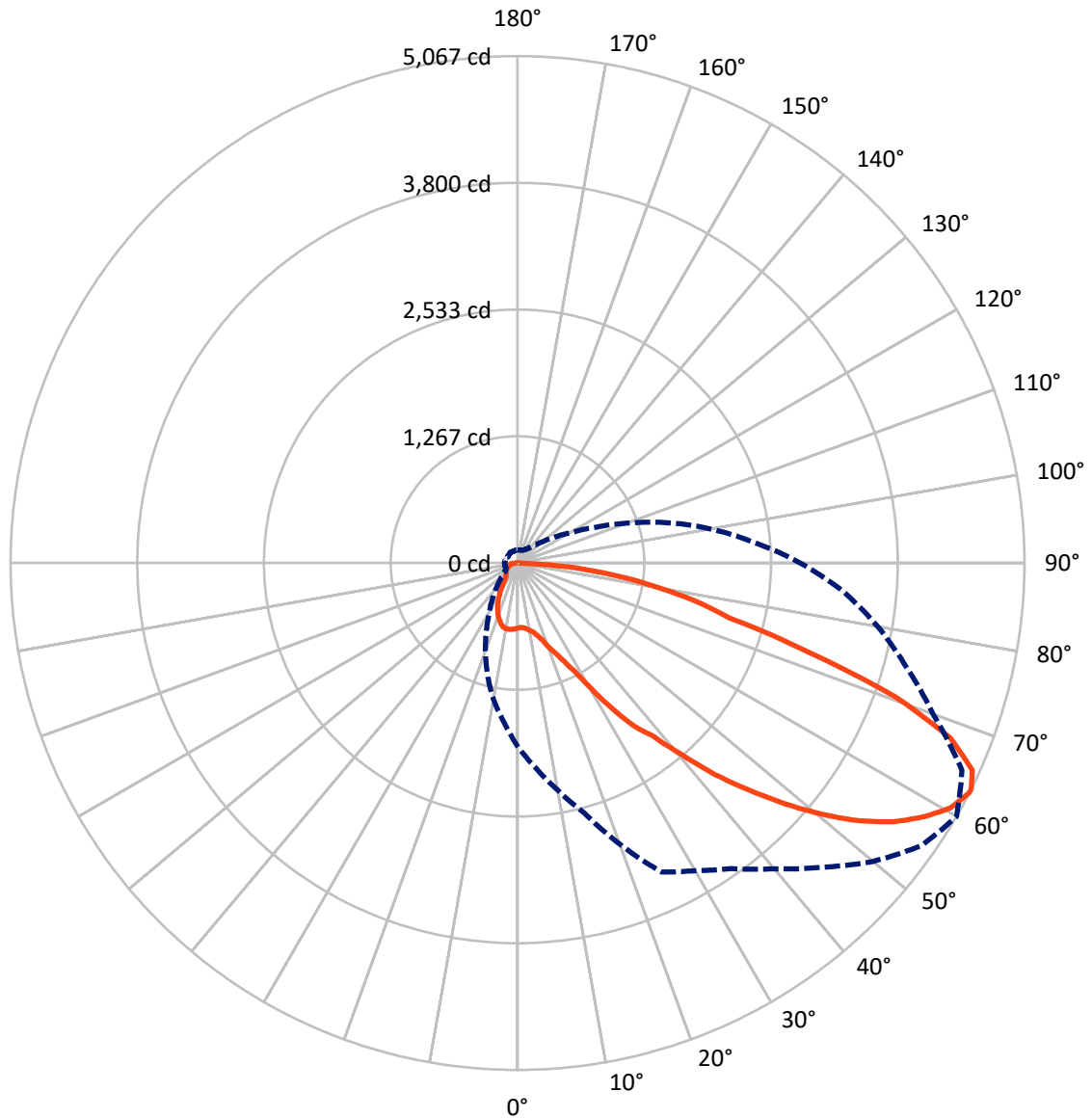
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.9 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
<b>House Side</b>	Lumens	1122.5	0.0	1122.5
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	4054.1	0.0	4054.1
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	5176.7	0.0	5176.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.3	1.2
10°-20°	197.2	3.8
20°-30°	350.4	6.8
30°-40°	551.8	10.7
40°-50°	812.0	15.7
50°-60°	1078.6	20.8
60°-70°	1188.1	23.0
70°-80°	745.4	14.4
80°-90°	189.9	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°	5176.7	100.0
0°-180°	5176.7	100.0

**Coefficient of Utilization**



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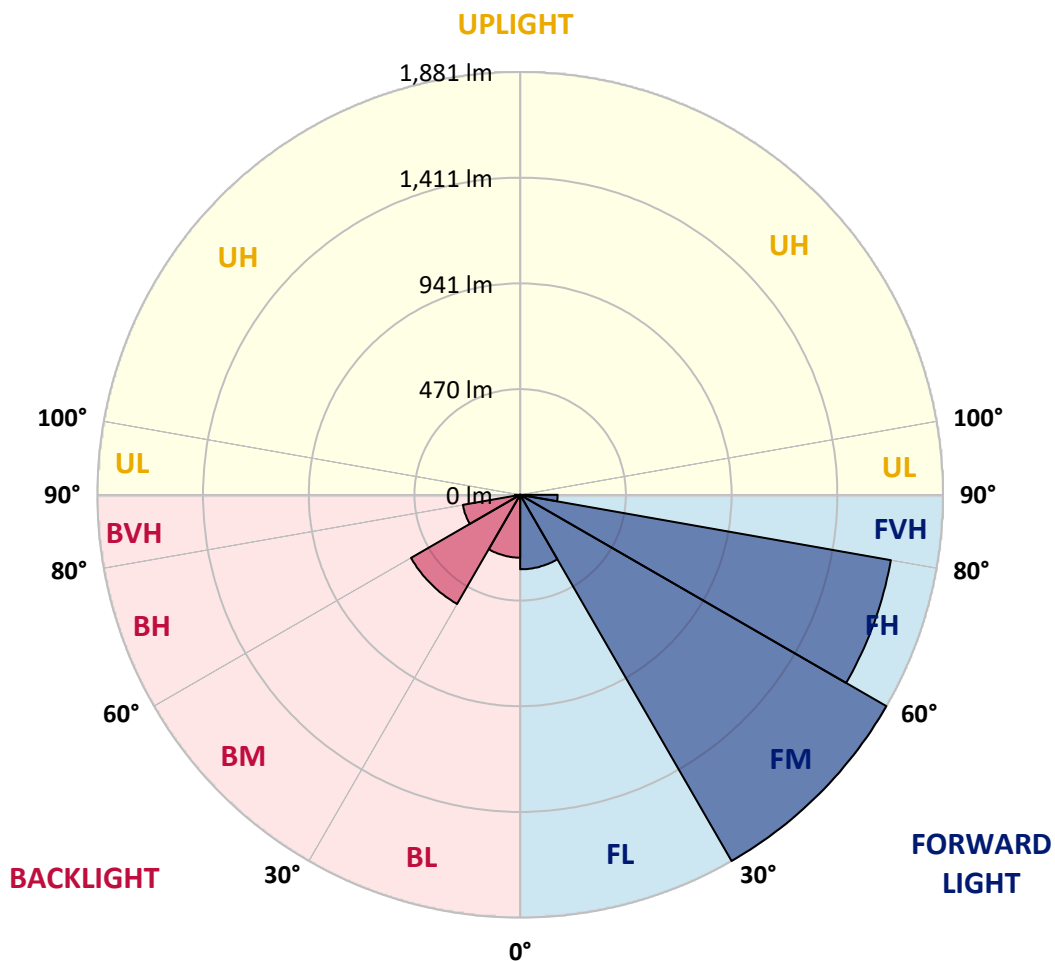
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	331.5	6.4			
FM (30°-60°)	1881.3	36.3			
FH (60°-80°)	1674.7	32.4			G1/1800
FVH (80°-90°)	166.6	3.2			G2/225
BL (0°-30°)	279.5	5.4	B1/500		
BM (30°-60°)	561.1	10.8	B1/1000		
BH (60°-80°)	258.8	5.0	B1/500		G1/500
BVH (80°-90°)	23.2	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°	650.5	650.5	650.5	650.5	650.5	650.5	650.5	650.5	650.5	650.5	650.5
2.5°	641.9	643.1	643.1	642.5	642.5	643.7	643.1	642.5	640.7	643.1	643.1
5°	636.9	638.1	638.1	639.4	640.7	641.9	641.9	643.1	642.5	644.9	646.8
7.5°	643.1	644.4	646.8	650.0	651.8	656.1	656.1	659.3	660.5	662.3	661.7
10°	651.2	654.2	659.8	664.8	668.6	673.5	677.2	681.6	681.6	683.4	684.7
12.5°	665.4	668.6	674.7	680.9	686.5	692.7	698.3	702.6	707.0	708.2	710.7
15°	689.0	692.7	702.1	710.7	717.5	725.6	733.0	741.7	749.8	751.6	752.8
17.5°	724.4	731.8	738.6	754.1	764.0	774.6	786.3	798.8	801.2	814.2	817.4
20°	774.6	783.9	790.1	809.3	826.1	839.7	857.0	871.4	876.9	889.3	901.7
22.5°	861.4	859.5	868.8	888.1	900.5	927.7	942.6	957.5	964.9	983.5	993.5
25°	978.0	987.9	1008.4	1010.2	1022.1	1053.7	1072.8	1087.7	1088.4	1094.0	1104.5
27.5°	1092.8	1133.7	1165.9	1183.3	1214.9	1244.0	1242.8	1263.9	1231.0	1237.9	1247.7
30°	1231.6	1299.8	1360.7	1401.6	1433.8	1467.9	1484.7	1496.5	1482.1	1476.0	1464.2
32.5°	1361.9	1457.4	1551.0	1623.5	1683.7	1740.2	1777.4	1794.2	1814.0	1864.2	1882.2
35°	1451.2	1586.3	1703.0	1807.7	1908.2	1998.2	2063.3	2100.5	2086.2	2079.4	2075.6
37.5°	1504.5	1669.5	1815.2	1963.5	2078.8	2213.3	2314.4	2412.4	2434.7	2395.6	2376.5
40°	1538.0	1733.3	1920.7	2095.5	2244.9	2418.6	2543.9	2690.9	2802.5	2817.4	2771.5
42.5°	1554.1	1776.1	1994.4	2192.3	2394.4	2607.2	2765.9	2943.9	3110.7	3225.4	3196.9
45°	1556.6	1804.0	2048.4	2279.7	2520.3	2772.8	2977.4	3174.6	3397.9	3594.4	3600.0
47.5°	1556.6	1825.1	2085.6	2343.0	2633.2	2916.6	3139.8	3373.0	3646.5	3879.1	3950.4
50°	1557.9	1839.4	2120.3	2392.6	2719.4	3038.2	3290.5	3565.9	3853.7	4106.7	4244.4
52.5°	1563.5	1850.0	2147.6	2427.9	2775.2	3123.7	3407.7	3725.3	4011.8	4271.7	4449.6
55°	1575.8	1864.8	2167.5	2449.6	2812.4	3179.6	3492.8	3834.4	4114.2	4377.7	4626.4
57.5°	1610.5	1890.9	2191.6	2468.9	2832.9	3216.1	3552.3	3881.6	4153.2	4427.9	4720.0
60°	1680.0	1946.1	2233.2	2507.3	2867.0	3283.7	3580.8	3850.0	4124.7	4413.1	4741.1
62.5°	1791.0	2032.3	2290.9	2572.4	2964.4	3388.6	3559.1	3755.7	4012.4	4326.8	4666.1
63°	1829.5	2050.9	2303.9	2586.7	2991.0	3407.7	3549.8	3727.7	3989.5	4299.6	4639.4
65°	1936.8	2133.3	2365.9	2658.6	3100.8	3427.0	3477.2	3582.6	3830.7	4143.9	4481.9
67.5°	2137.0	2333.7	2499.3	2780.2	3193.2	3351.4	3252.1	3265.1	3524.4	3848.7	4152.6
70°	2263.5	2498.0	2584.2	2795.6	3176.5	3239.1	2960.7	2788.2	2996.0	3365.6	3631.7
72.5°	2230.7	2499.8	2490.5	2589.1	2841.6	2899.8	2611.5	2339.8	2463.3	2739.3	2911.6
75°	1910.7	2232.6	2164.4	2144.5	2233.2	2271.6	2055.2	2013.7	2169.3	2322.5	2324.9
77.5°	1375.5	1729.6	1649.6	1534.9	1528.7	1617.4	1646.5	1918.8	2148.9	2269.8	2216.5
80°	876.3	1260.2	1177.0	976.8	973.7	1089.0	1345.1	1715.4	1959.1	2026.7	1887.7
82.5°	457.7	824.8	856.5	733.0	839.1	1030.1	1280.0	1382.3	1474.7	1484.0	1320.3
85°	285.3	507.3	596.6	615.8	757.9	913.5	911.6	875.6	834.7	714.4	646.2
87.5°	32.3	63.9	96.7	91.8	123.4	173.0	215.8	126.5	88.7	32.3	44.7
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°	650.5	650.5	650.5	650.5	650.5	650.5	650.5	650.5	650.5	650.5	650.5
2.5°	644.4	644.9	645.6	645.6	648.7	648.1	648.7	650.0	651.8	653.0	654.2
5°	649.3	649.3	651.8	653.7	657.4	659.8	661.1	664.8	669.1	667.9	671.6
7.5°	665.4	664.8	667.3	668.6	671.6	676.0	675.4	678.4	682.1	683.4	686.5
10°	687.2	685.3	685.3	684.0	684.7	683.4	683.4	683.4	685.9	685.3	687.7
12.5°	709.5	708.8	707.6	703.9	703.9	698.9	696.5	693.3	692.7	688.4	689.0
15°	755.4	755.4	752.8	745.4	739.3	734.9	728.7	724.4	718.1	710.1	705.8
17.5°	822.3	813.7	810.5	809.3	799.4	795.6	782.1	767.7	760.9	749.8	743.5
20°	904.2	902.3	890.0	883.7	871.4	854.0	836.6	818.0	806.8	793.2	785.8
22.5°	996.6	983.0	976.8	967.4	948.2	928.4	902.3	877.5	860.2	850.9	845.3
25°	1104.5	1090.9	1084.7	1072.3	1048.7	1027.6	995.4	966.2	950.7	935.2	926.5
27.5°	1247.7	1234.7	1227.3	1195.1	1187.0	1152.3	1112.6	1072.8	1052.4	1029.5	1014.6
30°	1461.7	1462.3	1423.9	1384.8	1344.5	1284.4	1242.8	1198.1	1164.7	1131.8	1098.9
32.5°	1823.3	1730.9	1659.5	1575.8	1488.4	1424.5	1373.0	1319.7	1273.2	1225.4	1170.9
35°	2044.0	1999.4	1907.0	1753.8	1665.8	1588.2	1531.2	1466.7	1409.6	1325.3	1242.1
37.5°	2293.3	2189.8	2077.5	1926.6	1892.8	1802.8	1707.3	1634.1	1535.5	1422.1	1304.2
40°	2657.4	2509.1	2374.0	2259.8	2130.9	2036.6	1930.0	1823.9	1693.0	1528.7	1366.8
42.5°	3037.5	2884.4	2705.8	2557.5	2405.6	2295.2	2163.1	2014.2	1822.1	1618.6	1420.8
45°	3436.3	3231.6	3017.7	2836.6	2678.4	2541.4	2377.7	2180.5	1946.1	1699.3	1471.0
47.5°	3829.5	3594.4	3339.6	3144.9	2938.9	2771.5	2570.5	2321.2	2042.8	1775.5	1521.2
50°	4176.1	3949.8	3642.8	3395.4	3187.0	2980.5	2730.0	2429.8	2119.1	1841.2	1566.5
52.5°	4475.1	4280.3	3957.2	3644.7	3404.7	3172.8	2858.3	2517.2	2196.0	1902.1	1603.7
55°	4694.6	4565.0	4267.3	3879.7	3596.3	3319.7	2966.8	2601.6	2268.6	1950.4	1627.9
57.5°	4860.2	4788.2	4532.8	4101.1	3772.4	3462.3	3079.1	2702.6	2340.5	1991.9	1639.1
60°	4950.7	4970.5	4733.7	4294.6	3928.1	3581.4	3191.4	2788.9	2393.8	2016.1	1632.8
62.5°	4942.1	5063.6	4884.4	4413.7	4018.6	3652.1	3267.0	2829.1	2386.3	1977.7	1576.5
63°	4925.3	5066.7	4901.1	4421.7	4024.2	3654.6	3268.9	2823.6	2370.9	1959.1	1554.1
65°	4780.8	4995.4	4886.8	4385.1	3974.6	3608.1	3229.8	2743.0	2261.7	1859.3	1439.4
67.5°	4393.8	4662.4	4631.4	4126.5	3739.6	3415.8	3030.1	2483.1	1991.9	1613.7	1219.8
70°	3754.4	4006.8	4012.4	3588.9	3265.8	2948.2	2627.6	2020.5	1578.9	1250.9	909.8
72.5°	2877.5	3040.0	3096.5	2817.4	2600.9	2377.7	2090.0	1466.7	1125.6	850.9	592.3
75°	2228.2	2183.5	2183.0	2065.1	1977.0	1867.9	1551.6	989.8	739.3	553.2	362.1
77.5°	2003.1	1804.7	1612.4	1471.0	1400.3	1363.7	1017.7	596.6	436.0	318.1	208.4
80°	1652.1	1359.4	1098.3	945.8	884.9	927.2	567.4	322.5	238.8	181.1	135.2
82.5°	1139.3	945.8	718.8	595.4	511.0	534.6	290.2	164.9	110.4	101.1	83.7
85°	593.5	520.3	439.1	377.0	333.0	292.7	150.7	78.8	45.9	40.3	36.6
87.5°	0.0	0.7	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°	650.5	650.5	650.5	650.5	650.5	650.5	650.5	650.5	650.5	650.5	650.5
2.5°	656.1	655.5	656.7	657.4	659.3	660.5	661.1	659.8	661.7	663.5	662.3
5°	673.5	677.9	678.4	680.3	680.3	684.0	684.0	684.0	683.4	684.0	682.8
7.5°	688.4	694.0	694.6	697.0	697.7	702.1	700.2	701.4	701.4	698.3	697.0
10°	690.2	695.8	698.9	702.1	706.3	711.9	711.9	715.1	715.1	712.6	711.9
12.5°	690.9	695.2	698.3	702.6	708.8	716.9	721.2	725.6	727.4	726.8	724.9
15°	703.9	703.9	704.5	708.2	712.6	722.5	728.7	733.7	736.7	735.5	732.4
17.5°	738.0	733.0	729.3	723.1	724.4	729.3	733.0	737.4	738.0	736.7	731.8
20°	777.7	771.4	762.1	752.3	747.3	743.5	741.1	741.1	739.3	733.0	724.9
22.5°	834.1	826.1	813.0	798.1	788.2	776.5	762.1	748.6	733.7	718.8	701.4
25°	912.3	901.1	887.4	864.5	843.4	818.6	789.5	759.1	723.7	692.7	667.3
27.5°	991.0	966.2	930.9	899.3	860.2	823.0	781.4	744.2	698.9	661.7	633.8
30°	1056.1	1009.0	958.1	907.9	856.5	806.2	756.6	711.9	662.3	624.5	597.2
32.5°	1106.3	1041.2	970.5	904.8	841.6	780.2	723.1	673.5	623.3	584.2	555.1
35°	1152.8	1062.3	972.4	891.2	813.0	749.1	684.7	630.7	577.4	536.5	504.8
37.5°	1187.6	1072.3	961.2	865.8	775.8	704.5	638.8	583.5	529.0	484.4	448.4
40°	1210.0	1066.1	937.0	829.1	731.8	656.7	589.8	532.7	480.0	431.0	387.6
42.5°	1227.9	1058.0	912.8	795.6	697.0	615.2	546.3	484.9	431.6	378.3	330.5
45°	1254.6	1064.2	902.3	772.1	666.1	579.8	504.2	440.3	384.5	332.4	286.5
47.5°	1280.7	1067.3	886.8	743.0	627.0	543.3	466.3	404.4	347.3	299.5	257.4
50°	1304.2	1065.4	862.6	705.8	589.1	506.7	432.3	370.2	313.8	269.8	230.0
52.5°	1315.4	1054.9	832.8	669.8	558.8	474.4	398.8	338.6	282.8	241.2	204.7
55°	1314.1	1027.6	793.8	635.6	525.3	440.3	365.9	306.3	256.1	217.7	186.0
57.5°	1295.5	985.4	752.3	597.9	481.2	398.1	327.4	269.8	227.6	195.4	168.7
60°	1256.5	931.4	697.7	542.6	426.0	346.0	279.7	230.0	196.0	171.2	153.8
62.5°	1183.3	854.0	629.5	465.8	351.6	278.4	220.7	188.6	163.1	148.2	140.2
63°	1161.6	832.8	600.3	447.2	334.2	263.0	208.4	174.9	156.3	143.3	135.8
65°	1053.7	729.3	502.3	360.9	259.8	202.8	167.4	142.0	130.9	125.3	124.7
67.5°	853.3	573.7	355.4	247.4	176.7	146.3	128.4	117.9	112.8	111.6	112.8
70°	599.1	362.1	225.8	164.4	130.9	117.9	109.8	105.4	102.3	103.0	104.2
72.5°	382.0	217.0	155.1	124.7	110.4	103.5	99.8	98.6	98.0	97.4	97.4
75°	217.7	144.5	119.1	107.9	100.5	94.9	91.8	90.5	91.2	91.8	90.5
77.5°	143.9	119.1	106.0	98.6	91.8	85.6	83.7	83.1	84.4	85.6	85.6
80°	113.5	106.0	98.6	91.2	80.0	75.6	76.9	77.5	76.9	77.5	75.6
82.5°	80.0	78.8	80.7	77.5	66.3	62.6	61.4	62.0	60.7	60.7	59.5
85°	37.2	37.2	39.1	39.1	37.9	38.4	41.6	45.3	47.2	45.3	42.8
87.5°	0.0	0.0	0.0	0.0	0.0	5.6	11.2	16.1	17.4	21.7	21.1
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: P180968

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

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	650.5	650.5	650.5	650.5	650.5	650.5	650.5	650.5	650.5	650.5	650.5
2.5°	660.5	661.7	661.1	660.5	661.7	660.5	661.1	660.5	660.5	659.8	659.8
5°	681.6	683.4	679.7	679.1	677.9	674.7	674.7	673.5	673.5	671.0	669.1
7.5°	695.2	695.8	692.7	692.1	689.0	685.9	683.4	680.9	680.3	678.4	674.7
10°	708.2	707.0	704.5	701.4	698.3	694.0	690.9	687.7	687.2	684.0	679.7
12.5°	719.4	718.8	713.8	710.7	705.8	701.4	697.7	694.0	692.1	688.4	682.1
15°	726.8	723.1	716.9	711.4	705.8	700.7	696.5	692.1	690.2	685.9	679.7
17.5°	723.7	716.9	708.8	702.1	694.6	688.4	684.7	680.3	677.2	674.7	666.1
20°	712.6	702.6	690.2	682.1	672.3	664.2	661.7	657.4	654.9	645.6	634.4
22.5°	683.4	669.1	653.7	641.9	630.7	622.6	616.5	612.1	605.9	600.3	583.0
25°	646.8	630.7	614.6	600.3	585.4	573.0	561.9	551.4	548.2	536.5	519.7
27.5°	611.4	593.5	577.4	560.7	541.4	525.9	506.7	491.8	481.9	469.5	454.0
30°	573.7	555.6	534.0	511.6	489.3	472.6	450.9	432.8	420.5	407.4	393.2
32.5°	525.9	504.2	478.1	453.3	432.8	413.0	391.4	374.0	361.6	349.8	336.1
35°	471.4	442.8	414.9	387.6	365.9	349.1	330.0	316.9	308.2	297.7	283.4
37.5°	408.7	376.5	346.7	325.6	306.3	290.2	276.6	268.6	259.3	253.7	244.9
40°	345.4	313.8	284.7	265.4	249.3	240.0	232.6	230.7	224.5	217.0	211.4
42.5°	289.6	259.3	230.7	215.2	204.7	202.1	198.4	198.4	195.4	189.8	186.0
45°	251.8	220.2	195.4	184.2	178.6	178.0	176.1	176.1	175.5	173.0	168.7
47.5°	224.5	196.0	176.7	170.0	168.7	167.4	165.6	164.9	164.4	162.5	160.0
50°	199.7	175.5	163.1	160.0	160.7	158.8	156.9	155.1	154.4	152.6	150.0
52.5°	176.7	159.3	151.3	149.5	149.5	149.5	148.2	148.2	147.0	146.3	143.9
55°	163.7	150.7	146.3	145.8	145.1	144.5	143.3	143.3	142.0	141.4	138.3
57.5°	152.6	144.5	142.0	140.7	140.2	138.9	138.3	138.3	138.3	138.3	134.6
60°	143.9	140.2	139.5	138.3	137.7	135.2	134.0	133.3	134.0	134.6	130.9
62.5°	134.6	134.0	133.3	132.1	131.4	129.0	127.2	125.9	127.2	128.4	127.7
63°	132.1	131.4	131.4	130.9	130.2	127.2	125.3	124.0	125.3	126.5	126.5
65°	123.4	124.0	124.0	123.4	122.8	120.9	118.4	117.2	117.9	119.7	120.3
67.5°	114.1	114.7	114.1	114.7	114.1	112.8	111.0	109.8	109.1	109.8	110.4
70°	105.4	106.7	106.0	105.4	104.8	104.8	103.5	101.7	101.1	100.5	100.5
72.5°	98.0	98.0	96.7	96.7	96.1	96.1	94.9	93.0	92.4	92.4	91.2
75°	90.0	90.0	88.1	88.1	86.8	87.4	86.2	84.4	83.7	83.7	83.1
77.5°	84.9	83.1	80.0	79.3	78.8	78.8	78.1	76.3	75.6	75.6	75.1
80°	75.1	71.3	68.2	67.6	68.2	69.5	69.5	68.2	68.2	68.2	68.2
82.5°	58.3	57.0	55.2	54.0	54.0	55.8	58.3	59.5	60.7	62.0	62.0
85°	42.8	43.4	42.8	40.9	40.3	42.1	44.7	47.2	47.7	50.2	49.6
87.5°	23.0	23.5	21.7	21.1	23.0	24.2	26.7	27.3	28.6	29.1	29.8
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°	650.5	650.5	650.5	650.5	650.5	650.5	650.5	650.5	650.5	650.5	650.5
2.5°	659.3	658.6	659.3	658.0	658.0	656.7	655.5	654.9	653.7	653.0	651.8
5°	670.4	668.6	666.7	666.1	663.5	661.1	659.3	656.1	653.7	649.3	648.1
7.5°	677.9	673.5	671.0	670.4	666.7	664.8	660.5	656.7	653.0	647.4	645.6
10°	680.9	676.6	672.3	670.4	666.1	663.0	658.6	653.0	650.0	644.4	643.1
12.5°	684.7	676.6	669.8	664.8	658.6	651.8	647.4	644.4	640.0	636.9	635.6
15°	677.9	667.3	656.7	647.4	637.5	630.1	625.8	620.7	615.8	614.0	614.0
17.5°	659.3	645.6	627.6	615.8	605.3	597.2	591.6	586.7	586.1	583.5	584.8
20°	620.7	602.8	585.4	576.7	570.5	565.6	560.0	557.5	555.6	551.9	550.7
22.5°	567.4	552.6	540.2	534.0	529.0	522.8	517.9	510.4	508.6	504.8	503.0
25°	508.6	496.7	486.2	481.9	478.8	470.0	467.0	457.0	450.2	445.9	448.4
27.5°	449.6	440.9	431.0	425.4	423.5	415.5	412.4	401.2	395.6	395.6	389.5
30°	388.8	380.7	374.6	368.4	367.2	357.2	349.1	344.8	338.6	336.1	331.8
32.5°	331.8	323.7	318.8	315.6	310.7	302.6	294.6	287.2	277.2	273.5	271.6
35°	279.1	272.8	266.7	264.2	257.4	248.7	238.8	232.6	220.7	216.5	214.6
37.5°	238.8	231.4	227.0	220.2	213.3	204.0	196.6	191.0	186.7	184.8	184.8
40°	206.5	200.9	196.0	190.4	184.8	179.8	176.1	174.9	174.2	174.2	175.5
42.5°	182.3	177.4	174.9	171.8	170.0	170.0	169.3	170.0	170.5	171.2	173.0
45°	166.2	163.1	161.9	161.2	162.5	163.7	164.4	165.6	168.1	169.3	170.0
47.5°	157.5	155.1	154.4	155.1	156.9	159.3	161.9	163.7	165.6	166.2	166.8
50°	148.8	145.8	144.5	145.8	148.2	151.9	153.8	156.9	158.1	159.3	158.1
52.5°	141.4	138.9	138.3	138.3	140.7	143.3	145.8	148.2	148.8	148.8	148.2
55°	135.2	133.3	131.4	132.7	134.6	137.0	140.7	142.6	143.9	144.5	144.5
57.5°	130.2	128.4	126.5	127.7	129.6	132.1	135.8	137.7	138.9	140.7	141.4
60°	126.5	124.0	122.1	124.0	125.9	129.6	132.7	134.6	137.7	138.3	138.3
62.5°	122.8	120.3	117.2	119.1	119.1	120.9	124.0	126.5	129.6	130.9	130.9
63°	122.1	119.7	116.6	117.9	117.9	119.1	121.6	124.0	127.7	129.0	128.4
65°	117.2	116.6	113.5	113.5	112.3	113.5	115.3	117.9	119.7	121.6	121.6
67.5°	109.1	108.6	107.9	107.9	107.9	109.1	110.4	112.3	114.1	115.3	114.7
70°	99.8	99.8	99.8	100.5	100.5	101.7	102.3	101.7	103.5	104.8	104.2
72.5°	91.8	91.2	90.5	91.8	91.2	91.2	92.4	91.8	93.7	93.7	94.2
75°	83.1	82.5	82.5	83.1	81.9	80.7	81.2	81.2	81.9	81.9	83.1
77.5°	75.6	75.6	75.6	75.1	73.8	73.2	72.6	72.6	72.6	72.6	73.2
80°	68.8	68.8	68.8	68.2	67.0	65.8	64.5	63.9	63.3	60.2	60.2
82.5°	62.0	62.0	62.0	62.0	61.4	60.2	58.3	53.3	50.9	48.4	49.0
85°	49.0	50.2	51.4	53.3	52.7	52.7	49.0	42.8	39.1	36.6	37.2
87.5°	31.6	27.9	27.9	27.3	26.0	24.8	24.8	21.1	17.4	15.5	16.1
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°	650.5	650.5	650.5	650.5	650.5	650.5	650.5	650.5	650.5	650.5	650.5	0°
2.5°	651.8	650.5	649.3	649.3	647.4	647.4	646.2	648.7	646.2	644.4	644.4	2.5°
5°	646.8	645.6	641.9	641.2	638.8	638.8	638.8	637.5	637.5	636.3	635.6	5°
7.5°	643.7	640.7	637.5	635.6	635.6	634.4	636.9	635.6	636.3	636.3	636.9	7.5°
10°	641.2	638.8	637.5	636.9	636.9	638.8	640.7	641.2	640.7	641.2	641.2	10°
12.5°	635.1	636.3	636.9	639.4	642.5	646.2	650.5	651.2	652.4	652.4	653.7	12.5°
15°	615.2	618.3	622.1	628.2	636.3	644.4	652.4	659.3	665.4	668.6	671.0	15°
17.5°	587.3	590.4	597.2	604.0	614.6	626.3	640.0	651.8	664.8	676.6	688.4	17.5°
20°	549.5	554.4	556.3	568.7	581.1	597.2	613.3	631.9	654.2	676.6	699.5	20°
22.5°	500.5	506.0	514.7	524.7	537.7	557.5	576.7	605.9	635.6	667.3	703.3	22.5°
25°	445.9	452.1	459.5	470.0	483.1	504.2	532.1	563.1	599.7	641.2	685.9	25°
27.5°	389.5	395.6	401.9	409.3	424.2	446.5	479.4	511.6	551.9	597.2	649.3	27.5°
30°	333.0	333.7	337.4	346.7	362.1	391.4	415.5	455.8	498.0	545.8	605.9	30°
32.5°	271.0	270.4	274.7	282.8	297.7	325.6	355.4	394.4	436.0	496.1	558.1	32.5°
35°	215.8	215.8	223.9	231.9	248.7	268.6	294.6	329.3	378.3	434.1	496.1	35°
37.5°	186.7	191.0	196.0	204.0	217.0	232.6	255.5	285.9	324.4	377.7	434.7	37.5°
40°	177.4	179.8	184.2	191.6	202.8	217.0	233.8	256.7	286.5	329.3	381.4	40°
42.5°	173.7	174.2	176.7	182.3	192.3	206.5	223.9	244.4	266.7	297.0	342.3	42.5°
45°	170.0	169.3	170.5	174.9	183.0	199.1	218.9	241.2	263.5	289.0	326.2	45°
47.5°	166.8	166.8	166.8	168.7	176.1	192.3	215.2	241.2	267.9	296.5	333.0	47.5°
50°	158.1	157.5	157.5	158.8	164.4	181.7	209.0	240.7	275.4	312.6	354.1	50°
52.5°	148.2	148.2	148.8	149.5	154.4	171.8	202.1	240.7	284.0	333.7	385.8	52.5°
55°	145.1	145.8	146.3	145.8	149.5	164.4	194.7	236.9	287.7	350.4	419.8	55°
57.5°	142.6	143.9	143.9	143.3	145.8	158.1	187.3	229.5	284.7	356.6	444.0	57.5°
60°	138.9	138.9	138.9	137.0	138.3	149.5	176.1	217.7	274.7	351.0	447.7	60°
62.5°	130.9	130.9	129.6	129.0	128.4	137.0	161.2	200.3	256.7	336.1	438.4	62.5°
63°	129.0	128.4	128.4	126.5	126.5	134.6	158.1	197.9	251.8	332.4	434.7	63°
65°	122.1	122.1	122.1	120.9	120.3	126.5	145.8	180.5	232.6	315.1	416.1	65°
67.5°	114.7	115.3	114.1	113.5	112.8	116.6	131.4	158.8	202.8	278.4	381.4	67.5°
70°	104.2	104.8	104.8	104.2	103.5	106.0	115.3	136.5	168.1	231.9	324.9	70°
72.5°	94.9	96.1	96.1	97.4	97.4	99.3	103.0	113.5	134.6	181.1	255.5	72.5°
75°	84.9	85.6	86.8	88.1	86.8	86.2	86.8	94.9	105.4	134.0	182.3	75°
77.5°	76.3	78.1	78.1	77.5	75.6	74.4	74.4	78.1	86.8	101.7	130.2	77.5°
80°	63.3	66.3	67.0	65.1	63.3	63.3	64.5	67.0	72.6	83.7	98.6	80°
82.5°	50.9	54.0	54.6	55.2	54.6	56.5	56.5	57.0	60.2	68.8	80.7	82.5°
85°	39.1	41.6	43.4	44.0	44.7	45.3	44.7	41.6	43.4	49.0	54.6	85°
87.5°	17.4	18.0	16.7	17.4	16.7	17.4	18.0	14.9	14.2	19.3	19.8	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°
650.5	650.5	650.5	650.5	650.5	650.5	650.5
643.7	643.7	644.4	643.1	643.1	643.7	641.9
633.8	636.3	636.3	636.3	635.1	636.3	636.9
636.3	638.1	639.4	639.4	638.8	641.2	643.1
639.4	642.5	643.7	643.7	643.7	646.8	651.2
651.2	653.7	655.5	655.5	656.7	660.5	665.4
672.8	676.0	676.0	675.4	679.1	683.4	689.0
697.0	705.8	710.1	709.5	712.6	718.1	724.4
720.0	744.2	754.7	762.1	765.3	772.7	774.6
739.3	779.5	808.7	833.5	845.3	852.7	861.4
732.4	787.0	839.1	890.0	925.9	962.5	978.0
704.5	772.7	840.9	915.4	980.5	1045.6	1092.8
670.4	752.3	844.0	949.5	1052.4	1152.3	1231.6
631.4	733.0	850.9	981.1	1116.3	1247.2	1361.9
582.3	696.5	834.1	984.2	1143.5	1302.3	1451.2
520.3	646.8	795.1	961.9	1144.8	1326.5	1504.5
458.3	584.2	745.4	929.6	1128.7	1332.1	1538.0
414.9	528.4	695.2	888.7	1102.6	1323.4	1554.1
385.1	488.1	650.5	851.4	1074.7	1307.9	1556.6
382.6	470.7	621.4	824.2	1052.4	1294.2	1556.6
403.7	480.0	611.4	810.5	1043.1	1290.0	1557.9
443.4	517.2	629.5	821.1	1050.5	1295.5	1563.5
491.2	573.7	677.9	857.7	1082.1	1314.1	1575.8
534.6	638.8	760.3	928.4	1139.8	1361.2	1610.5
560.0	694.6	847.7	1027.6	1238.4	1454.9	1680.0
563.1	725.6	925.3	1135.5	1358.1	1562.1	1791.0
560.7	728.1	935.2	1156.0	1383.5	1588.8	1829.5
547.0	728.7	963.1	1227.9	1471.6	1701.1	1936.8
512.3	708.8	973.0	1284.4	1582.6	1848.7	2137.0
452.1	652.4	943.9	1285.6	1625.4	1931.2	2263.5
363.4	545.1	818.0	1169.6	1512.6	1850.0	2230.7
266.0	400.7	618.3	906.1	1234.1	1539.8	1910.7
176.7	259.3	416.7	645.6	884.9	1108.2	1375.5
121.6	160.7	243.7	388.2	541.4	650.0	876.3
89.3	106.0	135.2	198.4	260.5	320.7	457.7
55.8	60.7	67.6	98.0	140.2	189.1	285.3
14.9	15.5	14.2	19.3	30.4	29.1	32.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)