

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: P180981

Luminaire Tested: **ICM-F03-LED-E1-SLL-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180981
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-F03-LED-E1-SLL-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5410.2 lumens
Efficiency: N/A
Efficacy: 69.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

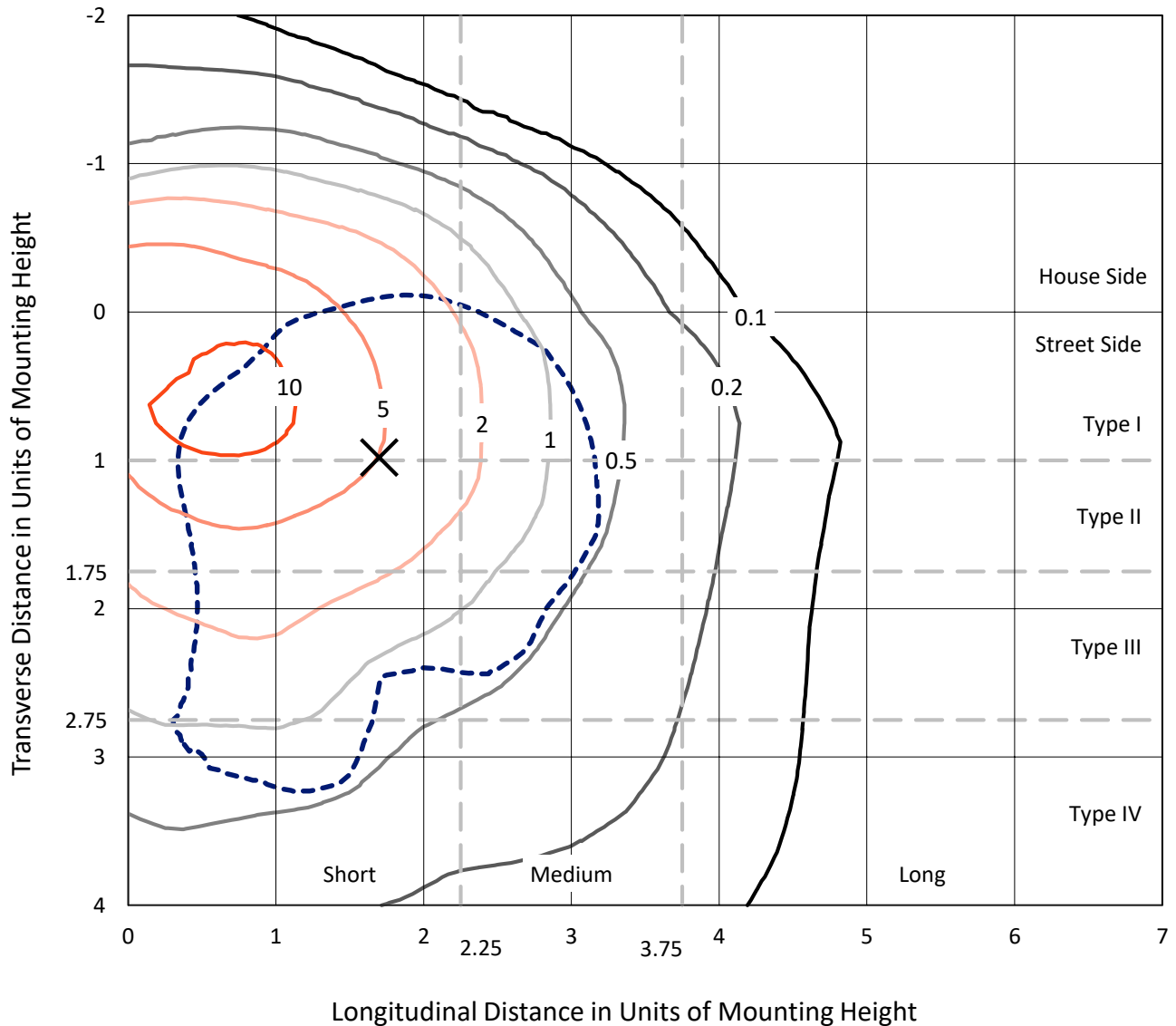
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

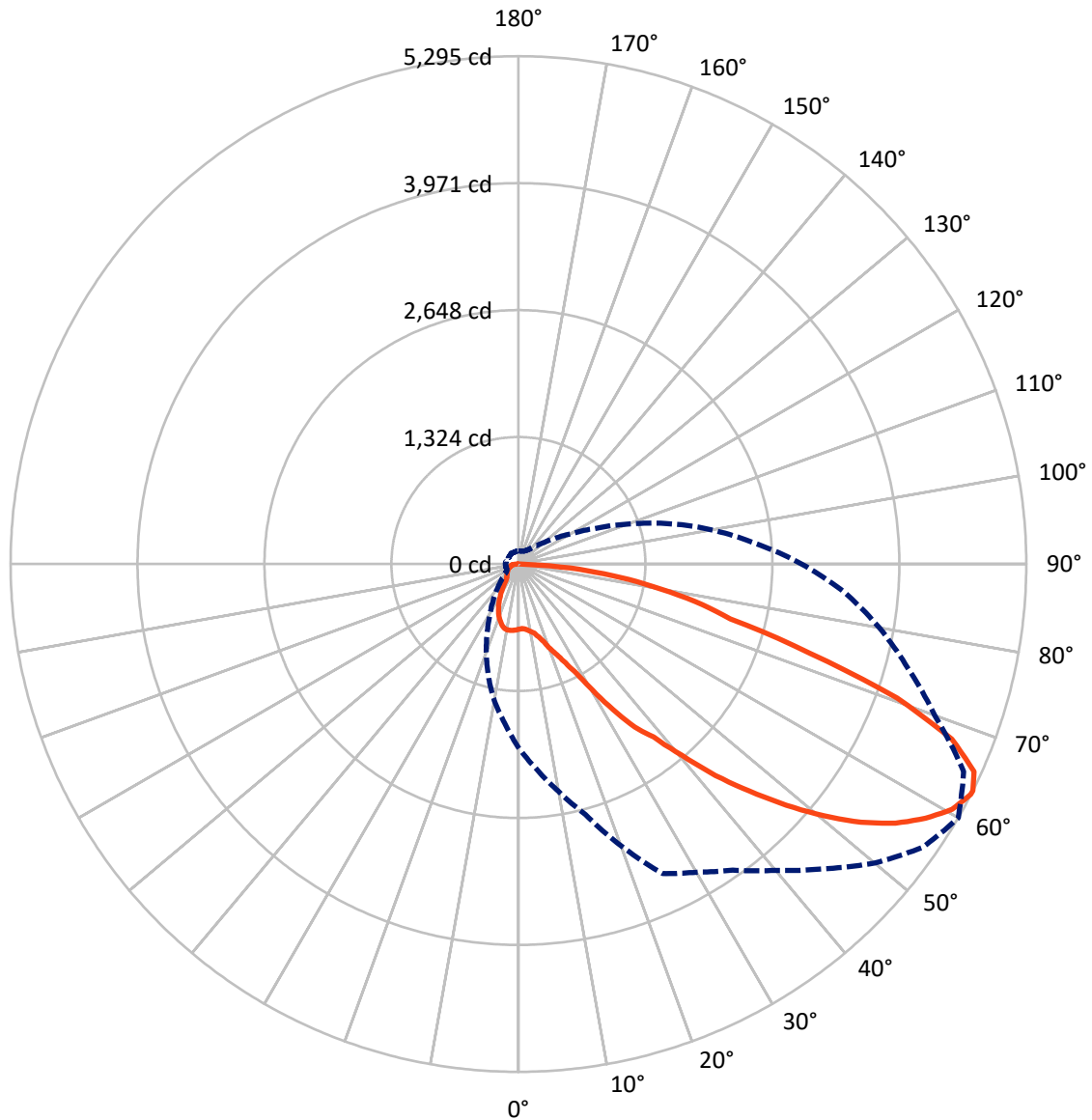
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.4 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	1173.2	0.0	1173.2
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	4237.0	0.0	4237.0
	% Fixture	78.3	0.0	78.3
Total	Lumens	5410.2	0.0	5410.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.2	1.2
10°-20°	206.1	3.8
20°-30°	366.2	6.8
30°-40°	576.7	10.7
40°-50°	848.7	15.7
50°-60°	1127.3	20.8
60°-70°	1241.7	23.0
70°-80°	779.0	14.4
80°-90°	198.4	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°	5410.2	100.0
0°-180°	5410.2	100.0

Coefficient of Utilization



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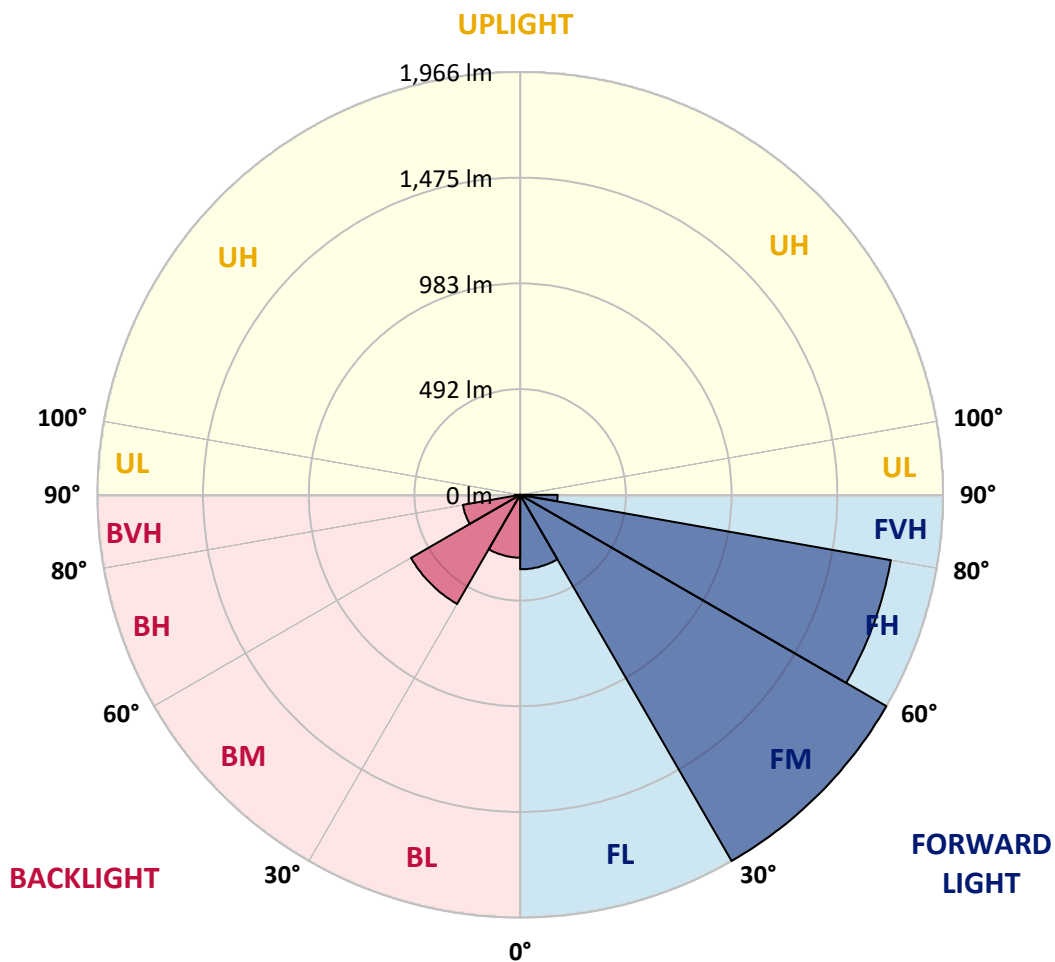
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	346.4	6.4			
FM (30°-60°)	1966.2	36.3			
FH (60°-80°)	1750.3	32.4			G1/1800
FVH (80°-90°)	174.1	3.2			G2/225
BL (0°-30°)	292.1	5.4	B1/500		
BM (30°-60°)	586.4	10.8	B1/1000		
BH (60°-80°)	270.4	5.0	B1/500		G1/500
BVH (80°-90°)	24.3	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°	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9
2.5°	670.8	672.1	672.1	671.4	671.4	672.7	672.1	671.4	669.5	672.1	672.1
5°	665.6	666.9	666.9	668.2	669.5	670.8	670.8	672.1	671.4	674.1	676.0
7.5°	672.1	673.4	676.0	679.3	681.2	685.7	685.7	688.9	690.2	692.2	691.5
10°	680.6	683.8	689.6	694.8	698.7	703.9	707.7	712.3	712.3	714.2	715.5
12.5°	695.4	698.7	705.1	711.6	717.5	724.0	729.8	734.3	738.9	740.2	742.8
15°	720.1	724.0	733.7	742.8	749.9	758.3	766.1	775.2	783.6	785.5	786.8
17.5°	757.0	764.7	771.9	788.1	798.5	809.5	821.9	834.8	837.4	851.0	854.2
20°	809.5	819.3	825.7	845.8	863.4	877.6	895.7	910.6	916.5	929.4	942.4
22.5°	900.3	898.3	908.0	928.1	941.1	969.6	985.1	1000.8	1008.5	1027.9	1038.3
25°	1022.1	1032.5	1053.9	1055.8	1068.1	1101.2	1121.3	1136.8	1137.5	1143.3	1154.3
27.5°	1142.0	1184.8	1218.5	1236.7	1269.7	1300.2	1298.9	1320.8	1286.5	1293.7	1304.0
30°	1287.2	1358.5	1422.0	1464.8	1498.5	1534.1	1551.6	1563.9	1549.0	1542.5	1530.2
32.5°	1423.3	1523.1	1620.9	1696.8	1759.6	1818.6	1857.5	1875.1	1895.8	1948.3	1967.1
35°	1516.7	1657.9	1779.7	1889.3	1994.3	2088.3	2156.3	2195.2	2180.3	2173.2	2169.3
37.5°	1572.4	1744.8	1897.0	2052.0	2172.6	2313.1	2418.8	2521.2	2544.6	2503.7	2483.6
40°	1607.4	1811.5	2007.3	2190.1	2346.2	2527.7	2658.6	2812.2	2928.9	2944.5	2896.5
42.5°	1624.2	1856.3	2084.4	2291.2	2502.4	2724.8	2890.6	3076.7	3251.0	3370.9	3341.1
45°	1626.8	1885.4	2140.8	2382.5	2634.0	2897.8	3111.6	3317.8	3551.1	3756.6	3762.3
47.5°	1626.8	1907.5	2179.6	2448.7	2751.9	3048.1	3281.5	3525.1	3811.0	4054.1	4128.6
50°	1628.1	1922.3	2215.9	2500.5	2842.1	3175.2	3439.0	3726.7	4027.5	4291.9	4435.8
52.5°	1634.0	1933.4	2244.5	2537.4	2900.4	3264.7	3561.5	3893.3	4192.8	4464.3	4650.4
55°	1646.9	1948.9	2265.2	2560.1	2939.3	3323.0	3650.3	4007.4	4299.7	4575.2	4835.0
57.5°	1683.2	1976.1	2290.5	2580.2	2960.7	3361.2	3712.5	4056.7	4340.5	4627.7	4933.0
60°	1755.8	2033.9	2333.9	2620.4	2996.3	3431.8	3742.3	4023.6	4310.7	4612.1	4954.9
62.5°	1871.8	2123.9	2394.2	2688.5	3098.1	3541.4	3719.7	3925.0	4193.4	4522.0	4876.5
63°	1912.0	2143.4	2407.8	2703.4	3126.0	3561.5	3709.9	3895.9	4169.4	4493.5	4848.7
65°	2024.1	2229.6	2472.6	2778.5	3240.7	3581.6	3634.1	3744.2	4003.5	4330.8	4684.0
67.5°	2233.5	2438.9	2611.9	2905.6	3337.2	3502.5	3398.8	3412.4	3683.3	4022.3	4339.8
70°	2365.7	2610.7	2700.8	2921.8	3319.7	3385.1	3094.2	2914.0	3131.1	3517.4	3795.5
72.5°	2331.4	2612.6	2602.9	2706.0	2969.7	3030.6	2729.3	2445.4	2574.3	2862.8	3043.0
75°	1996.8	2333.2	2262.0	2241.2	2333.9	2374.1	2147.9	2104.5	2267.2	2427.3	2429.9
77.5°	1437.6	1807.6	1724.0	1604.1	1597.7	1690.3	1720.8	2005.3	2245.8	2372.2	2316.4
80°	915.8	1317.0	1230.1	1020.8	1017.6	1138.1	1405.8	1792.8	2047.5	2118.1	1972.9
82.5°	478.3	862.1	895.1	766.1	876.9	1076.6	1337.8	1444.7	1541.2	1551.0	1379.8
85°	298.1	530.1	623.5	643.6	792.0	954.7	952.8	915.2	872.4	746.6	675.4
87.5°	33.7	66.8	101.1	95.9	129.0	180.8	225.6	132.2	92.7	33.7	46.7
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°	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9
2.5°	673.4	674.1	674.7	674.7	678.0	677.3	678.0	679.3	681.2	682.5	683.8
5°	678.6	678.6	681.2	683.2	687.0	689.6	690.9	694.8	699.4	698.1	702.0
7.5°	695.4	694.8	697.4	698.7	702.0	706.4	705.8	709.0	712.9	714.2	717.5
10°	718.1	716.2	716.2	714.9	715.5	714.2	714.2	714.2	716.8	716.2	718.8
12.5°	741.5	740.8	739.5	735.6	735.6	730.4	727.8	724.7	724.0	719.4	720.1
15°	789.4	789.4	786.8	779.1	772.6	768.0	761.6	757.0	750.5	742.1	737.6
17.5°	859.4	850.3	847.1	845.8	835.4	831.5	817.3	802.4	795.3	783.6	777.1
20°	944.9	943.1	930.1	923.5	910.6	892.5	874.3	854.9	843.3	828.9	821.2
22.5°	1041.6	1027.3	1020.8	1011.1	991.0	970.2	943.1	917.1	899.0	889.2	883.4
25°	1154.3	1140.1	1133.6	1120.7	1096.0	1074.0	1040.3	1009.8	993.6	977.4	968.3
27.5°	1304.0	1290.4	1282.6	1248.9	1240.6	1204.2	1162.7	1121.3	1099.9	1075.9	1060.4
30°	1527.6	1528.3	1488.1	1447.3	1405.1	1342.2	1298.9	1252.2	1217.2	1182.8	1148.5
32.5°	1905.5	1808.9	1734.4	1646.9	1555.5	1488.8	1435.0	1379.3	1330.6	1280.7	1223.6
35°	2136.2	2089.6	1993.0	1832.9	1740.8	1659.8	1600.2	1532.8	1473.2	1385.0	1298.2
37.5°	2396.8	2288.6	2171.3	2082.4	1978.1	1884.1	1784.3	1707.8	1604.8	1486.1	1363.0
40°	2777.2	2622.3	2481.0	2361.8	2227.0	2128.5	2016.9	1906.2	1769.4	1597.7	1428.5
42.5°	3174.5	3014.4	2827.8	2672.9	2514.1	2398.7	2260.7	2105.1	1904.2	1691.6	1484.8
45°	3591.3	3377.4	3153.8	2964.6	2799.3	2656.0	2484.9	2278.8	2033.9	1775.9	1537.4
47.5°	4002.2	3756.6	3490.2	3286.6	3071.5	2896.5	2686.5	2426.0	2134.9	1855.6	1589.9
50°	4364.5	4127.9	3807.1	3548.5	3330.7	3114.9	2853.0	2539.4	2214.6	1924.3	1637.2
52.5°	4676.9	4473.4	4135.7	3809.0	3558.3	3315.8	2987.3	2630.7	2295.0	1987.8	1676.1
55°	4906.4	4770.9	4459.7	4054.7	3758.5	3469.4	3100.7	2718.9	2370.9	2038.3	1701.3
57.5°	5079.4	5004.2	4737.1	4286.1	3942.5	3618.5	3218.0	2824.6	2446.1	2081.8	1713.0
60°	5174.0	5194.7	4947.2	4488.3	4105.2	3742.9	3335.3	2914.6	2501.8	2107.1	1706.5
62.5°	5165.0	5291.9	5104.7	4612.8	4199.8	3816.9	3414.3	2956.8	2494.0	2066.9	1647.5
63°	5147.5	5295.2	5122.2	4621.1	4205.7	3819.5	3416.3	2950.9	2477.8	2047.5	1624.2
65°	4996.4	5220.7	5107.3	4582.9	4153.9	3770.8	3375.5	2866.7	2363.7	1943.1	1504.3
67.5°	4592.0	4872.7	4840.2	4312.7	3908.2	3569.9	3166.7	2595.1	2081.8	1686.4	1274.9
70°	3923.7	4187.6	4193.4	3750.7	3413.0	3081.2	2746.2	2111.6	1650.1	1307.3	950.8
72.5°	3007.4	3177.1	3236.1	2944.5	2718.2	2484.9	2184.2	1532.8	1176.4	889.2	619.0
75°	2328.8	2282.1	2281.4	2158.2	2066.2	1952.2	1621.6	1034.4	772.6	578.1	378.5
77.5°	2093.5	1886.1	1685.1	1537.4	1463.5	1425.2	1063.5	623.5	455.6	332.5	217.8
80°	1726.6	1420.7	1147.8	988.4	924.8	968.9	593.0	337.0	249.5	189.2	141.3
82.5°	1190.6	988.4	751.2	622.2	534.0	558.7	303.4	172.4	115.3	105.7	87.5
85°	620.3	543.8	458.9	394.0	348.0	306.0	157.5	82.3	48.0	42.1	38.2
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°	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9
2.5°	685.7	685.0	686.3	687.0	688.9	690.2	690.9	689.6	691.5	693.5	692.2
5°	703.9	708.4	709.0	711.0	711.0	714.9	714.9	714.9	714.2	714.9	713.6
7.5°	719.4	725.2	725.9	728.5	729.1	733.7	731.7	733.0	733.0	729.8	728.5
10°	721.4	727.2	730.4	733.7	738.2	744.1	744.1	747.3	747.3	744.7	744.1
12.5°	722.1	726.5	729.8	734.3	740.8	749.2	753.8	758.3	760.3	759.6	757.7
15°	735.6	735.6	736.3	740.2	744.7	755.1	761.6	766.7	770.0	768.7	765.4
17.5°	771.3	766.1	762.2	755.7	757.0	762.2	766.1	770.6	771.3	770.0	764.7
20°	812.7	806.2	796.6	786.1	781.0	777.1	774.5	774.5	772.6	766.1	757.7
22.5°	871.7	863.4	849.7	834.1	823.8	811.4	796.6	782.3	766.7	751.2	733.0
25°	953.4	941.8	927.4	903.4	881.5	855.5	825.0	793.3	756.4	724.0	697.4
27.5°	1035.7	1009.8	972.8	939.8	899.0	860.1	816.7	777.8	730.4	691.5	662.4
30°	1103.7	1054.5	1001.4	948.8	895.1	842.6	790.7	744.1	692.2	652.7	624.2
32.5°	1156.3	1088.2	1014.3	945.6	879.5	815.4	755.7	703.9	651.4	610.5	580.1
35°	1204.8	1110.2	1016.3	931.4	849.7	783.0	715.5	659.2	603.4	560.7	527.5
37.5°	1241.1	1120.7	1004.6	904.7	810.8	736.3	667.5	609.9	552.8	506.2	468.6
40°	1264.5	1114.1	979.4	866.5	764.7	686.3	616.4	556.7	501.7	450.4	405.1
42.5°	1283.3	1105.7	954.1	831.5	728.5	643.0	571.0	506.8	451.1	395.4	345.5
45°	1311.2	1112.2	943.1	806.9	696.1	606.0	526.9	460.2	401.9	347.4	299.4
47.5°	1338.4	1115.4	926.8	776.5	655.3	567.7	487.4	422.6	363.0	313.0	268.9
50°	1363.0	1113.5	901.6	737.6	615.7	529.5	451.7	387.0	327.9	282.0	240.5
52.5°	1374.7	1102.4	870.4	700.0	584.0	495.8	416.7	353.9	295.5	252.1	213.9
55°	1373.4	1074.0	829.6	664.4	548.9	460.2	382.4	320.2	267.7	227.5	194.4
57.5°	1354.0	1029.9	786.1	624.8	503.0	416.1	342.2	282.0	237.9	204.2	176.3
60°	1313.1	973.5	729.1	567.1	445.3	361.7	292.3	240.5	204.8	178.9	160.7
62.5°	1236.7	892.5	657.9	486.7	367.4	291.0	230.7	197.0	170.4	154.9	146.5
63°	1214.0	870.4	627.4	467.3	349.3	274.8	217.8	182.8	163.3	149.7	142.0
65°	1101.2	762.2	525.0	377.2	271.5	211.9	175.0	148.5	136.7	130.9	130.2
67.5°	891.8	599.5	371.4	258.6	184.7	152.9	134.1	123.2	118.0	116.7	118.0
70°	626.1	378.5	235.9	171.7	136.7	123.2	114.7	110.1	107.0	107.6	108.9
72.5°	399.3	226.9	162.0	130.2	115.3	108.3	104.4	103.1	102.4	101.8	101.8
75°	227.5	151.0	124.5	112.7	105.0	99.2	95.9	94.6	95.3	95.9	94.6
77.5°	150.3	124.5	110.8	103.1	95.9	89.4	87.5	86.9	88.2	89.4	89.4
80°	118.6	110.8	103.1	95.3	83.6	79.1	80.4	81.0	80.4	81.0	79.1
82.5°	83.6	82.3	84.3	81.0	69.4	65.5	64.2	64.8	63.5	63.5	62.2
85°	38.9	38.9	40.8	40.8	39.5	40.2	43.4	47.3	49.3	47.3	44.7
87.5°	0.0	0.0	0.0	0.0	0.0	5.9	11.6	16.8	18.1	22.7	22.0
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: P180981

CATALOG NUMBER: ICM-F03-LED-E1-SLL-8030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9
2.5°	690.2	691.5	690.9	690.2	691.5	690.2	690.9	690.2	690.2	689.6	689.6
5°	712.3	714.2	710.3	709.7	708.4	705.1	705.1	703.9	703.9	701.3	699.4
7.5°	726.5	727.2	724.0	723.4	720.1	716.8	714.2	711.6	711.0	709.0	705.1
10°	740.2	738.9	736.3	733.0	729.8	725.2	722.1	718.8	718.1	714.9	710.3
12.5°	751.8	751.2	746.0	742.8	737.6	733.0	729.1	725.2	723.4	719.4	712.9
15°	759.6	755.7	749.2	743.4	737.6	732.4	727.8	723.4	721.4	716.8	710.3
17.5°	756.4	749.2	740.8	733.7	725.9	719.4	715.5	711.0	707.7	705.1	696.1
20°	744.7	734.3	721.4	712.9	702.6	694.1	691.5	687.0	684.5	674.7	663.1
22.5°	714.2	699.4	683.2	670.8	659.2	650.7	644.3	639.7	633.2	627.4	609.2
25°	676.0	659.2	642.3	627.4	611.8	598.9	587.2	576.2	572.9	560.7	543.2
27.5°	639.1	620.3	603.4	585.9	565.9	549.6	529.5	514.0	503.6	490.6	474.4
30°	599.5	580.7	558.0	534.7	511.4	493.9	471.2	452.4	439.4	425.9	410.9
32.5°	549.6	526.9	499.7	473.8	452.4	431.6	408.9	390.8	377.9	365.6	351.3
35°	492.6	462.8	433.6	405.1	382.4	364.9	344.8	331.2	322.1	311.1	296.2
37.5°	427.1	393.4	362.3	340.3	320.2	303.4	289.0	280.7	270.9	265.1	256.0
40°	361.0	327.9	297.5	277.4	260.6	250.8	243.1	241.1	234.6	226.9	221.0
42.5°	302.7	270.9	241.1	224.9	213.9	211.3	207.4	207.4	204.2	198.3	194.4
45°	263.2	230.0	204.2	192.5	186.7	186.0	184.1	184.1	183.4	180.8	176.3
47.5°	234.6	204.8	184.7	177.6	176.3	175.0	173.0	172.4	171.7	169.8	167.3
50°	208.7	183.4	170.4	167.3	167.9	166.0	164.0	162.0	161.4	159.4	156.8
52.5°	184.7	166.6	158.1	156.2	156.2	156.2	154.9	154.9	153.6	152.9	150.3
55°	171.1	157.5	152.9	152.3	151.6	151.0	149.7	149.7	148.5	147.8	144.6
57.5°	159.4	151.0	148.5	147.2	146.5	145.2	144.6	144.6	144.6	144.6	140.7
60°	150.3	146.5	145.9	144.6	143.9	141.3	140.0	139.3	140.0	140.7	136.7
62.5°	140.7	140.0	139.3	138.0	137.4	134.8	132.8	131.5	132.8	134.1	133.5
63°	138.0	137.4	137.4	136.7	136.1	132.8	130.9	129.6	130.9	132.2	132.2
65°	129.0	129.6	129.6	129.0	128.4	126.4	123.8	122.5	123.2	125.1	125.8
67.5°	119.3	119.9	119.3	119.9	119.3	118.0	116.0	114.7	114.0	114.7	115.3
70°	110.1	111.4	110.8	110.1	109.5	109.5	108.3	106.3	105.7	105.0	105.0
72.5°	102.4	102.4	101.1	101.1	100.5	100.5	99.2	97.2	96.6	96.6	95.3
75°	94.0	94.0	92.0	92.0	90.7	91.3	90.0	88.2	87.5	87.5	86.9
77.5°	88.8	86.9	83.6	83.0	82.3	82.3	81.7	79.7	79.1	79.1	78.4
80°	78.4	74.5	71.3	70.6	71.3	72.6	72.6	71.3	71.3	71.3	71.3
82.5°	60.9	59.6	57.7	56.4	56.4	58.3	60.9	62.2	63.5	64.8	64.8
85°	44.7	45.4	44.7	42.8	42.1	44.1	46.7	49.3	49.9	52.5	51.8
87.5°	24.0	24.7	22.7	22.0	24.0	25.3	27.9	28.6	29.8	30.4	31.1
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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CATALOG NUMBER: ICM-F03-LED-E1-SLL-8030

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9
2.5°	688.9	688.3	688.9	687.6	687.6	686.3	685.0	684.5	683.2	682.5	681.2
5°	700.7	698.7	696.7	696.1	693.5	690.9	688.9	685.7	683.2	678.6	677.3
7.5°	708.4	703.9	701.3	700.7	696.7	694.8	690.2	686.3	682.5	676.7	674.7
10°	711.6	707.1	702.6	700.7	696.1	692.8	688.3	682.5	679.3	673.4	672.1
12.5°	715.5	707.1	700.0	694.8	688.3	681.2	676.7	673.4	668.8	665.6	664.4
15°	708.4	697.4	686.3	676.7	666.2	658.5	654.0	648.7	643.6	641.7	641.7
17.5°	688.9	674.7	655.9	643.6	632.6	624.2	618.3	613.1	612.5	609.9	611.2
20°	648.7	630.0	611.8	602.8	596.3	591.1	585.3	582.7	580.7	576.8	575.5
22.5°	593.0	577.5	564.6	558.0	552.8	546.3	541.2	533.4	531.4	527.5	525.7
25°	531.4	519.2	508.1	503.6	500.4	491.3	488.0	477.7	470.5	466.0	468.6
27.5°	469.9	460.8	450.4	444.7	442.7	434.2	431.0	419.4	413.5	413.5	407.0
30°	406.4	398.0	391.4	385.0	383.7	373.3	364.9	360.4	353.9	351.3	346.8
32.5°	346.8	338.3	333.1	329.9	324.7	316.3	307.8	300.1	289.7	285.9	283.9
35°	291.6	285.2	278.7	276.1	268.9	259.9	249.5	243.1	230.7	226.2	224.3
37.5°	249.5	241.8	237.2	230.0	223.0	213.2	205.5	199.6	195.1	193.1	193.1
40°	215.8	210.0	204.8	199.0	193.1	188.0	184.1	182.8	182.1	182.1	183.4
42.5°	190.5	185.4	182.8	179.5	177.6	177.6	176.9	177.6	178.2	178.9	180.8
45°	173.7	170.4	169.1	168.6	169.8	171.1	171.7	173.0	175.6	176.9	177.6
47.5°	164.7	162.0	161.4	162.0	164.0	166.6	169.1	171.1	173.0	173.7	174.3
50°	155.5	152.3	151.0	152.3	154.9	158.8	160.7	164.0	165.3	166.6	165.3
52.5°	147.8	145.2	144.6	144.6	147.2	149.7	152.3	154.9	155.5	155.5	154.9
55°	141.3	139.3	137.4	138.7	140.7	143.3	147.2	149.0	150.3	151.0	151.0
57.5°	136.1	134.1	132.2	133.5	135.4	138.0	142.0	143.9	145.2	147.2	147.8
60°	132.2	129.6	127.7	129.6	131.5	135.4	138.7	140.7	143.9	144.6	144.6
62.5°	128.4	125.8	122.5	124.5	124.5	126.4	129.6	132.2	135.4	136.7	136.7
63°	127.7	125.1	121.9	123.2	123.2	124.5	127.1	129.6	133.5	134.8	134.1
65°	122.5	121.9	118.6	118.6	117.3	118.6	120.6	123.2	125.1	127.1	127.1
67.5°	114.0	113.4	112.7	112.7	112.7	114.0	115.3	117.3	119.3	120.6	119.9
70°	104.4	104.4	104.4	105.0	105.0	106.3	107.0	106.3	108.3	109.5	108.9
72.5°	95.9	95.3	94.6	95.9	95.3	95.3	96.6	95.9	97.9	97.9	98.5
75°	86.9	86.2	86.2	86.9	85.6	84.3	84.9	84.9	85.6	85.6	86.9
77.5°	79.1	79.1	79.1	78.4	77.1	76.5	75.8	75.8	75.8	75.8	76.5
80°	71.9	71.9	71.9	71.3	70.0	68.7	67.4	66.8	66.1	62.9	62.9
82.5°	64.8	64.8	64.8	64.8	64.2	62.9	60.9	55.7	53.1	50.5	51.2
85°	51.2	52.5	53.8	55.7	55.1	55.1	51.2	44.7	40.8	38.2	38.9
87.5°	33.0	29.2	29.2	28.6	27.3	26.0	26.0	22.0	18.1	16.2	16.8
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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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9	0°
2.5°	681.2	679.9	678.6	678.6	676.7	676.7	675.4	678.0	675.4	673.4	673.4	2.5°
5°	676.0	674.7	670.8	670.1	667.5	667.5	667.5	666.2	666.2	665.0	664.4	5°
7.5°	672.7	669.5	666.2	664.4	664.4	663.1	665.6	664.4	665.0	665.0	665.6	7.5°
10°	670.1	667.5	666.2	665.6	665.6	667.5	669.5	670.1	669.5	670.1	670.1	10°
12.5°	663.7	665.0	665.6	668.2	671.4	675.4	679.9	680.6	681.9	681.9	683.2	12.5°
15°	643.0	646.1	650.1	656.6	665.0	673.4	681.9	688.9	695.4	698.7	701.3	15°
17.5°	613.8	617.0	624.2	631.3	642.3	654.6	668.8	681.2	694.8	707.1	719.4	17.5°
20°	574.2	579.4	581.4	594.3	607.3	624.2	641.0	660.5	683.8	707.1	731.1	20°
22.5°	523.1	528.8	538.0	548.3	562.0	582.7	602.8	633.2	664.4	697.4	735.0	22.5°
25°	466.0	472.5	480.3	491.3	504.9	526.9	556.1	588.5	626.7	670.1	716.8	25°
27.5°	407.0	413.5	420.0	427.7	443.4	466.6	501.0	534.7	576.8	624.2	678.6	27.5°
30°	348.0	348.7	352.6	362.3	378.5	408.9	434.2	476.4	520.5	570.3	633.2	30°
32.5°	283.3	282.6	287.2	295.5	311.1	340.3	371.4	412.2	455.6	518.5	583.4	32.5°
35°	225.6	225.6	234.0	242.4	259.9	280.7	307.8	344.2	395.4	453.7	518.5	35°
37.5°	195.1	199.6	204.8	213.2	226.9	243.1	267.1	298.8	339.0	394.7	454.3	37.5°
40°	185.4	188.0	192.5	200.3	211.9	226.9	244.4	268.3	299.4	344.2	398.6	40°
42.5°	181.5	182.1	184.7	190.5	200.9	215.8	234.0	255.4	278.7	310.4	357.8	42.5°
45°	177.6	176.9	178.2	182.8	191.2	208.1	228.7	252.1	275.4	302.0	340.9	45°
47.5°	174.3	174.3	174.3	176.3	184.1	200.9	224.9	252.1	280.0	309.8	348.0	47.5°
50°	165.3	164.7	164.7	166.0	171.7	189.9	218.4	251.4	287.8	326.7	370.0	50°
52.5°	154.9	154.9	155.5	156.2	161.4	179.5	211.3	251.4	296.8	348.7	403.2	52.5°
55°	151.6	152.3	152.9	152.3	156.2	171.7	203.5	247.6	300.7	366.2	438.8	55°
57.5°	149.0	150.3	150.3	149.7	152.3	165.3	195.7	239.8	297.5	372.7	464.1	57.5°
60°	145.2	145.2	145.2	143.3	144.6	156.2	184.1	227.5	287.2	366.9	467.9	60°
62.5°	136.7	136.7	135.4	134.8	134.1	143.3	168.6	209.3	268.3	351.3	458.2	62.5°
63°	134.8	134.1	134.1	132.2	132.2	140.7	165.3	206.8	263.2	347.4	454.3	63°
65°	127.7	127.7	127.7	126.4	125.8	132.2	152.3	188.7	243.1	329.2	434.9	65°
67.5°	119.9	120.6	119.3	118.6	118.0	121.9	137.4	166.0	211.9	291.0	398.6	67.5°
70°	108.9	109.5	109.5	108.9	108.3	110.8	120.6	142.6	175.6	242.4	339.6	70°
72.5°	99.2	100.5	100.5	101.8	101.8	103.7	107.6	118.6	140.7	189.2	267.1	72.5°
75°	88.8	89.4	90.7	92.0	90.7	90.0	90.7	99.2	110.1	140.0	190.5	75°
77.5°	79.7	81.7	81.7	81.0	79.1	77.8	77.8	81.7	90.7	106.3	136.1	77.5°
80°	66.1	69.4	70.0	68.1	66.1	66.1	67.4	70.0	75.8	87.5	103.1	80°
82.5°	53.1	56.4	57.0	57.7	57.0	59.0	59.0	59.6	62.9	71.9	84.3	82.5°
85°	40.8	43.4	45.4	46.0	46.7	47.3	46.7	43.4	45.4	51.2	57.0	85°
87.5°	18.1	18.8	17.5	18.1	17.5	18.1	18.8	15.5	14.9	20.1	20.7	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°
679.9	679.9	679.9	679.9	679.9	679.9	679.9
672.7	672.7	673.4	672.1	672.1	672.7	670.8
662.4	665.0	665.0	665.0	663.7	665.0	665.6
665.0	666.9	668.2	668.2	667.5	670.1	672.1
668.2	671.4	672.7	672.7	672.7	676.0	680.6
680.6	683.2	685.0	685.0	686.3	690.2	695.4
703.3	706.4	706.4	705.8	709.7	714.2	720.1
728.5	737.6	742.1	741.5	744.7	750.5	757.0
752.5	777.8	788.7	796.6	799.8	807.5	809.5
772.6	814.7	845.1	871.1	883.4	891.2	900.3
765.4	822.5	876.9	930.1	967.6	1005.9	1022.1
736.3	807.5	878.9	956.7	1024.7	1092.8	1142.0
700.7	786.1	882.1	992.3	1099.9	1204.2	1287.2
659.8	766.1	889.2	1025.3	1166.6	1303.4	1423.3
608.6	727.8	871.7	1028.6	1195.2	1361.0	1516.7
543.8	676.0	830.9	1005.2	1196.5	1386.3	1572.4
479.0	610.5	779.1	971.5	1179.6	1392.2	1607.4
433.6	552.2	726.5	928.7	1152.4	1383.1	1624.2
402.5	510.0	679.9	889.9	1123.2	1366.9	1626.8
399.9	491.9	649.4	861.4	1099.9	1352.7	1626.8
422.0	501.7	639.1	847.1	1090.1	1348.1	1628.1
463.4	540.6	657.9	858.1	1098.0	1354.0	1634.0
513.3	599.5	708.4	896.4	1131.0	1373.4	1646.9
558.7	667.5	794.6	970.2	1191.3	1422.6	1683.2
585.3	725.9	886.0	1074.0	1294.3	1520.5	1755.8
588.5	758.3	967.0	1186.7	1419.5	1632.7	1871.8
585.9	760.9	977.4	1208.1	1446.0	1660.5	1912.0
571.6	761.6	1006.5	1283.3	1538.1	1777.8	2024.1
535.4	740.8	1016.9	1342.2	1654.1	1932.1	2233.5
472.5	681.9	986.4	1343.5	1698.7	2018.2	2365.7
379.8	569.7	854.9	1222.3	1580.8	1933.4	2331.4
278.0	418.7	646.1	946.9	1289.8	1609.3	1996.8
184.7	270.9	435.5	674.7	924.8	1158.2	1437.6
127.1	167.9	254.7	405.8	565.9	679.3	915.8
93.3	110.8	141.3	207.4	272.2	335.1	478.3
58.3	63.5	70.6	102.4	146.5	197.7	298.1
15.5	16.2	14.9	20.1	31.7	30.4	33.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)