

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: P141434

Luminaire Tested: **EMM-F02-LED-E1-SLL-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P141434
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33693)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: EMM-F02-LED-E1-SLL-7030
Description: EPIC MODERN MEDIUM DECORATIVE LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (14) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3944.2 lumens
Efficiency: N/A
Efficacy: 71.7 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

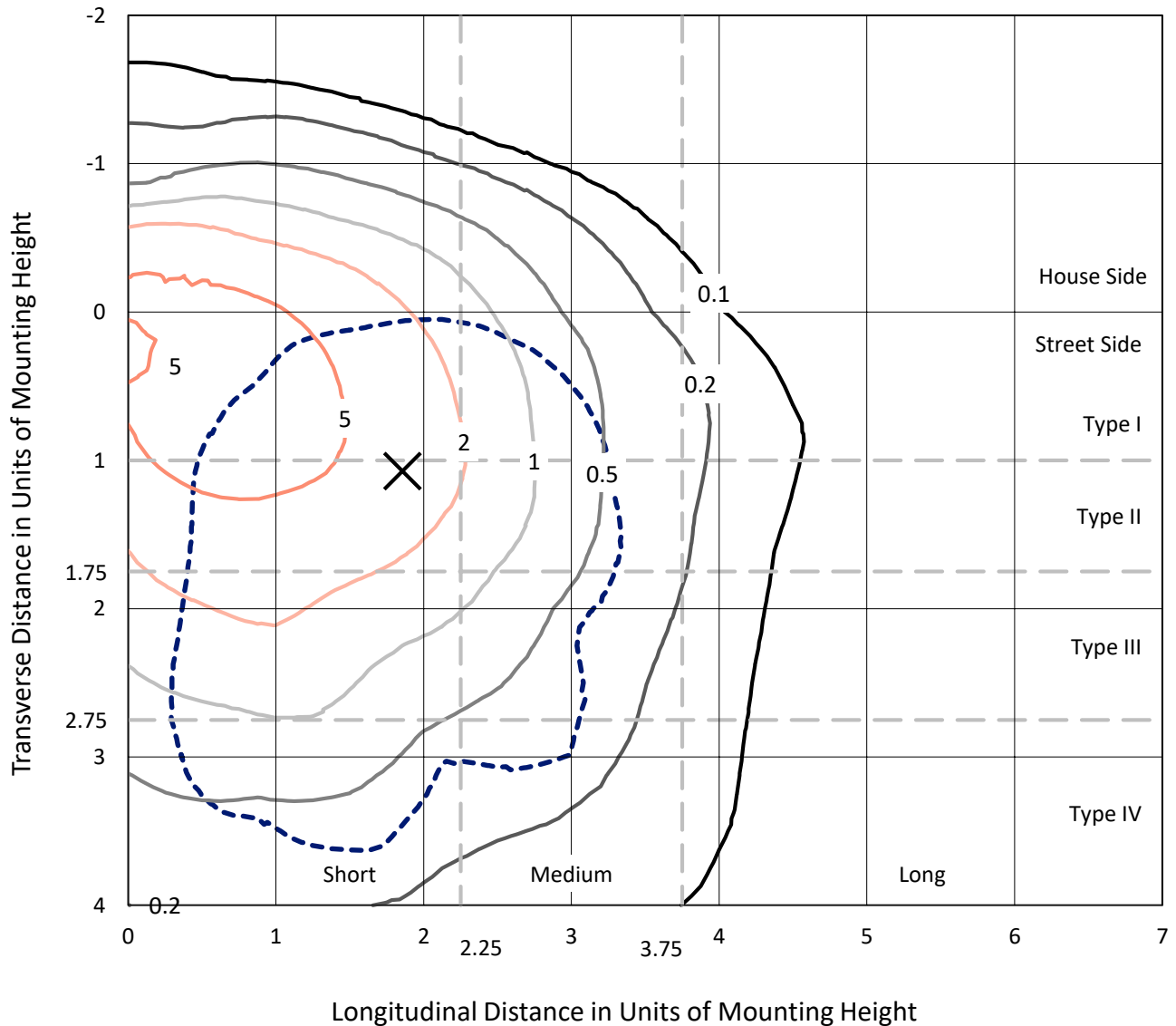
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P141434
 CATALOG NUMBER: EMM-F02-LED-E1-SLL-7030

Iso-Footcandle Lines of Horizontal Illumination

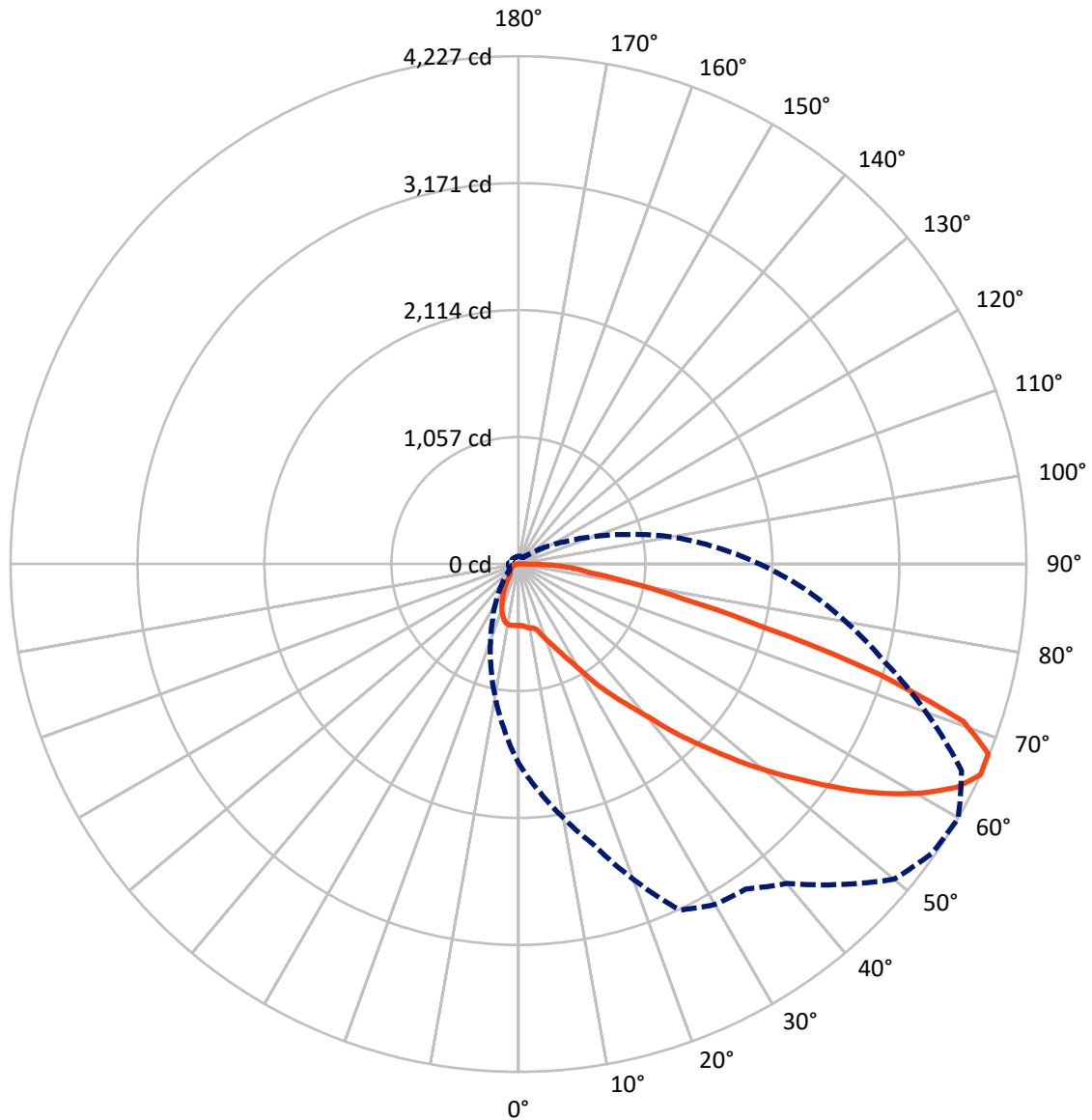
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.3 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P141434
CATALOG NUMBER: EMM-F02-LED-E1-SLL-7030

Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P141434

CATALOG NUMBER: EMM-F02-LED-E1-SLL-7030

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	731.6	0.0	731.6
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	3212.6	0.0	3212.6
	% Fixture	81.5	0.0	81.5
Total	Lumens	3944.2	0.0	3944.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.6	1.3
10°-20°	149.0	3.8
20°-30°	247.5	6.3
30°-40°	361.8	9.2
40°-50°	550.4	14.0
50°-60°	791.2	20.1
60°-70°	972.7	24.7
70°-80°	650.7	16.5
80°-90°	171.2	4.3
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°	3944.2	100.0
0°-180°	3944.2	100.0



REPORT NUMBER: P141434

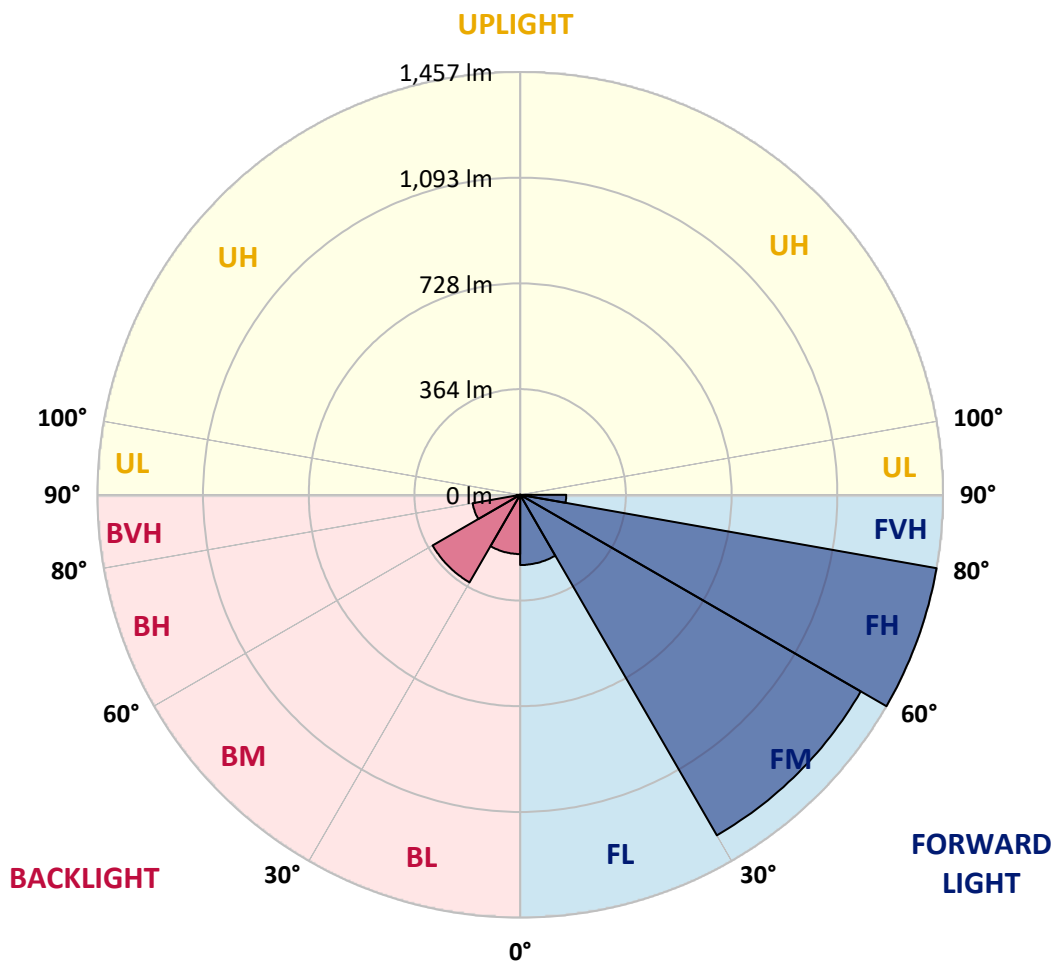
CATALOG NUMBER: EMM-F02-LED-E1-SLL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	241.9	6.1			
FM	(30°-60°)	1355.0	34.4			
FH	(60°-80°)	1457.0	36.9			G1/1800
FVH	(80°-90°)	158.8	4.0			G2/225
BL	(0°-30°)	204.2	5.2	B1/500		
BM	(30°-60°)	348.5	8.8	B1/1000		
BH	(60°-80°)	166.5	4.2	B1/500		G1/500
BVH	(80°-90°)	12.4	0.3			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





REPORT NUMBER: P141434

CATALOG NUMBER: EMM-F02-LED-E1-SLL-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	512.7	512.7	512.7	512.7	512.7	512.7	512.7	512.7	512.7	512.7	512.7
2.5°	513.2	513.7	513.7	513.2	512.7	513.2	512.2	513.2	512.7	512.2	512.7
5°	506.7	507.2	508.2	508.2	509.2	511.2	511.7	514.2	515.7	516.2	518.2
7.5°	491.1	493.6	495.1	497.1	500.1	505.2	508.7	514.7	519.3	523.3	528.8
10°	481.6	484.6	487.6	492.1	496.6	503.2	509.2	516.7	522.8	528.8	535.3
12.5°	484.1	487.6	491.6	495.1	502.2	508.2	515.7	524.8	527.8	533.8	539.4
15°	504.7	507.7	510.7	514.7	521.3	528.3	538.4	548.4	550.4	556.9	563.0
17.5°	532.3	532.8	537.8	544.9	550.9	562.5	574.5	588.1	596.7	600.7	604.2
20°	561.0	562.5	570.5	577.1	590.6	605.7	623.3	643.4	650.4	668.0	674.6
22.5°	603.7	603.2	612.7	621.8	636.9	653.0	678.6	706.2	722.3	735.9	740.9
25°	668.5	670.0	668.5	681.6	697.2	723.3	749.0	776.6	786.2	809.8	820.8
27.5°	732.9	744.4	760.0	764.0	783.1	813.3	833.4	863.1	886.2	892.7	910.8
30°	792.7	816.8	842.5	864.1	898.3	935.0	965.1	998.8	1000.3	1012.4	1017.4
32.5°	853.5	891.2	928.9	956.6	989.7	1038.5	1094.3	1149.1	1184.8	1221.5	1202.9
35°	929.9	988.7	1041.5	1084.2	1112.4	1157.6	1222.0	1310.9	1368.2	1412.0	1437.1
37.5°	999.8	1088.8	1169.7	1230.5	1299.4	1331.6	1373.8	1438.1	1504.0	1544.7	1565.8
40°	1051.1	1172.7	1287.3	1375.3	1462.7	1539.7	1592.9	1645.2	1734.2	1785.0	1789.0
42.5°	1091.3	1246.1	1384.3	1510.5	1639.2	1746.8	1811.1	1877.4	1990.5	2049.4	2044.8
45°	1118.9	1300.9	1472.3	1627.6	1783.4	1923.7	2047.8	2146.4	2262.0	2374.1	2351.5
47.5°	1143.1	1346.1	1542.2	1717.6	1904.6	2079.5	2234.3	2373.1	2525.9	2677.2	2686.2
50°	1167.2	1382.8	1605.5	1807.6	2018.2	2237.9	2424.8	2603.3	2794.3	2986.8	3031.1
52.5°	1200.4	1424.0	1664.3	1889.5	2134.3	2366.0	2574.6	2796.8	3033.1	3219.0	3344.7
55°	1250.1	1481.3	1737.2	1971.4	2238.4	2493.7	2724.4	2980.8	3197.9	3427.7	3606.6
57.5°	1331.6	1557.8	1821.6	2060.9	2338.9	2609.3	2849.1	3118.0	3325.1	3580.0	3804.7
60°	1434.6	1661.8	1917.2	2167.0	2457.0	2771.7	3013.5	3212.5	3420.1	3678.0	3948.4
62.5°	1551.7	1779.4	2033.8	2291.6	2621.4	2962.2	3169.8	3283.4	3464.3	3745.3	4041.4
65°	1654.8	1889.5	2143.4	2416.8	2789.8	3177.3	3272.8	3301.5	3470.9	3772.5	4081.6
67.5°	1739.2	2009.1	2245.9	2518.3	2967.2	3314.1	3274.8	3217.5	3381.9	3706.6	4004.7
70°	1783.4	2062.4	2294.7	2527.4	3004.9	3333.2	3195.9	3040.1	3115.0	3432.7	3682.0
72.5°	1734.7	2020.7	2204.2	2348.9	2779.2	3097.9	2923.0	2628.9	2697.3	3004.9	3069.3
75°	1543.7	1889.0	1996.1	1991.0	2222.8	2387.6	2261.0	2073.5	2247.9	2376.1	2310.2
77.5°	1152.6	1547.2	1607.0	1496.9	1546.2	1684.9	1565.3	1711.1	1922.7	1980.5	1855.8
80°	724.8	1134.0	1140.5	1003.3	977.2	1031.5	1185.8	1495.9	1698.0	1685.9	1521.1
82.5°	403.6	735.4	805.3	679.6	647.4	780.6	1056.1	1221.0	1194.3	1184.3	969.6
85°	276.0	502.2	613.8	588.6	650.9	778.6	866.1	774.1	745.4	634.9	515.2
87.5°	112.1	226.2	380.5	437.3	464.0	569.5	498.6	406.2	312.7	296.6	254.8
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: P141434

CATALOG NUMBER: EMM-F02-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	512.7	512.7	512.7	512.7	512.7	512.7	512.7	512.7	512.7	512.7	512.7
2.5°	511.2	512.2	512.2	512.7	513.2	513.7	513.7	513.7	514.2	514.7	514.2
5°	518.7	520.3	521.3	521.3	522.3	523.3	524.3	523.8	525.3	526.3	526.8
7.5°	530.8	533.8	536.3	538.4	539.4	539.4	539.4	537.8	539.4	539.9	540.4
10°	539.4	542.9	543.4	545.4	544.9	544.4	543.4	542.4	542.9	543.9	545.4
12.5°	541.9	545.4	546.4	547.9	547.4	546.9	544.9	544.9	544.4	545.9	547.4
15°	562.5	565.5	570.5	566.0	566.5	562.5	559.0	556.9	555.9	556.9	558.0
17.5°	609.7	614.8	612.7	605.7	605.2	596.7	595.2	585.1	585.1	585.1	582.1
20°	674.6	674.1	670.6	663.5	648.4	645.4	634.4	626.3	618.8	617.3	613.8
22.5°	745.4	737.9	735.9	721.3	711.8	693.7	677.1	671.1	664.0	662.5	662.0
25°	814.3	817.3	802.8	795.7	771.6	755.5	746.0	730.9	730.9	728.9	726.3
27.5°	900.8	910.8	894.7	884.7	862.1	839.4	822.9	813.8	804.3	797.7	779.6
30°	1022.9	1029.5	1018.4	997.8	969.6	929.4	906.8	896.7	879.2	857.0	827.4
32.5°	1194.8	1185.8	1148.1	1111.9	1075.2	1037.0	1009.8	991.8	964.6	920.4	864.1
35°	1417.5	1339.6	1292.3	1242.6	1200.4	1157.6	1137.0	1104.3	1042.5	970.6	895.2
37.5°	1527.1	1492.4	1438.1	1400.9	1350.7	1307.9	1261.2	1205.4	1125.5	1022.4	917.9
40°	1746.8	1681.4	1639.2	1597.0	1535.1	1476.8	1413.5	1323.5	1194.8	1066.6	935.5
42.5°	1977.5	1929.2	1852.8	1796.5	1750.3	1653.8	1553.2	1427.6	1265.7	1106.9	951.5
45°	2278.1	2167.5	2073.0	2025.2	1934.2	1816.6	1699.5	1520.1	1331.0	1149.1	969.6
47.5°	2580.2	2437.9	2340.4	2251.4	2154.4	1996.6	1814.1	1600.5	1381.3	1184.3	984.7
50°	2904.4	2716.9	2604.3	2497.7	2337.9	2146.9	1914.6	1666.8	1433.6	1217.4	998.3
52.5°	3234.1	2997.4	2836.5	2712.4	2514.3	2278.1	2005.6	1735.7	1489.4	1249.6	1009.3
55°	3530.7	3308.5	3100.9	2909.4	2671.1	2396.7	2089.1	1797.5	1539.7	1283.3	1016.4
57.5°	3799.6	3606.1	3358.3	3101.4	2815.4	2506.8	2166.0	1864.4	1586.9	1307.9	1015.9
60°	3984.1	3871.0	3613.6	3300.5	2966.2	2607.8	2258.5	1938.8	1628.6	1325.5	1011.9
62.5°	4116.8	4094.2	3869.5	3492.0	3089.4	2698.8	2347.9	2000.6	1658.8	1327.5	994.8
65°	4199.7	4227.4	4069.6	3613.6	3158.2	2768.2	2392.2	2006.1	1637.2	1294.4	949.5
67.5°	4147.5	4218.8	4068.5	3560.9	3092.4	2703.3	2327.3	1913.6	1522.1	1191.3	848.0
70°	3823.2	3930.3	3782.0	3211.0	2770.2	2453.0	2088.6	1643.7	1309.4	981.2	670.0
72.5°	2998.9	3140.1	3010.4	2618.9	2293.1	2027.7	1757.3	1290.8	998.3	720.8	450.4
75°	2069.0	2123.2	2045.8	1775.4	1675.4	1571.8	1319.0	867.6	659.5	444.9	264.9
77.5°	1605.0	1408.5	1260.2	1149.6	1147.6	1128.5	863.1	519.3	394.6	244.8	147.3
80°	1206.9	947.5	782.1	684.1	711.3	795.2	503.2	266.4	204.1	135.2	90.5
82.5°	794.2	604.7	482.6	427.3	431.8	498.6	252.8	146.8	100.5	76.9	58.8
85°	484.1	470.0	419.2	380.5	350.9	342.8	196.5	112.6	55.8	39.7	30.2
87.5°	236.3	280.0	341.8	346.3	297.6	252.3	102.0	32.2	23.6	12.6	9.0
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: P141434

CATALOG NUMBER: EMM-F02-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	512.7	512.7	512.7	512.7	512.7	512.7	512.7	512.7	512.7	512.7	512.7
2.5°	514.7	517.2	516.2	515.7	515.7	518.2	518.2	517.2	517.2	517.7	517.7
5°	526.8	529.3	528.3	528.8	529.8	530.3	531.8	530.3	529.3	530.3	529.8
7.5°	540.9	543.4	542.9	543.9	544.9	545.9	546.9	546.4	545.4	545.4	544.9
10°	546.9	551.9	553.9	555.9	558.5	559.5	561.0	561.0	559.0	559.0	556.4
12.5°	550.9	554.9	560.0	563.0	567.5	571.0	572.5	573.0	571.5	569.5	567.0
15°	559.5	562.5	567.5	570.5	576.1	580.6	583.6	583.1	581.1	575.5	568.0
17.5°	580.6	580.1	582.1	584.1	585.6	588.1	587.1	582.6	573.0	563.0	552.4
20°	612.2	611.7	608.7	604.2	598.7	591.6	580.6	567.0	550.9	532.8	516.7
22.5°	657.0	652.5	648.4	636.4	617.3	593.6	565.0	538.4	519.3	501.7	484.1
25°	716.3	705.2	685.6	657.5	627.3	592.1	550.4	514.7	490.6	470.0	452.4
27.5°	753.5	727.9	695.2	656.5	616.3	571.0	524.8	489.6	462.4	439.8	419.7
30°	785.2	738.9	693.2	643.9	593.1	546.4	497.6	459.9	428.3	403.1	379.0
32.5°	802.8	740.9	683.6	624.8	569.5	516.2	463.5	422.7	392.6	361.4	328.2
35°	813.8	734.9	665.5	599.2	538.4	483.1	427.8	383.0	343.3	305.1	271.9
37.5°	816.8	724.8	641.9	570.5	501.2	440.8	388.6	336.3	296.6	255.4	217.2
40°	815.3	705.7	612.2	525.8	452.9	394.6	343.8	296.1	252.3	215.6	178.9
42.5°	809.3	684.1	577.1	489.1	415.7	359.9	313.2	264.9	225.7	186.5	155.3
45°	807.3	663.0	550.4	460.9	390.6	335.8	290.0	243.3	202.1	164.9	133.7
47.5°	802.8	643.9	525.8	439.3	370.0	317.2	269.9	224.2	181.5	147.8	117.6
50°	792.7	623.3	507.7	422.7	352.9	298.6	250.3	201.1	159.3	126.2	103.0
52.5°	782.1	610.2	496.1	406.2	334.8	276.5	228.7	178.9	139.7	108.6	91.0
55°	771.6	600.2	480.5	386.5	311.1	253.8	205.6	159.8	123.2	96.5	83.9
57.5°	760.0	586.6	461.4	361.4	284.5	228.7	180.5	137.2	107.1	87.0	78.4
60°	750.5	567.5	428.3	326.2	248.8	193.5	149.8	114.6	91.0	78.4	74.9
62.5°	725.3	530.8	380.5	274.5	202.1	151.3	114.1	89.5	76.4	70.4	70.9
65°	664.5	448.9	302.1	214.1	141.8	101.5	81.4	68.4	62.3	62.3	63.8
67.5°	560.0	341.8	214.1	136.2	93.0	73.4	62.3	56.8	55.8	56.8	59.3
70°	396.6	221.7	134.2	89.0	69.9	59.3	53.8	51.8	50.8	51.8	52.8
72.5°	244.3	130.7	85.5	69.4	59.8	53.3	49.8	48.3	47.8	47.8	47.3
75°	133.2	87.5	68.4	60.3	54.3	49.3	45.7	43.2	42.7	43.2	42.2
77.5°	84.9	68.4	60.8	55.8	50.3	43.7	40.7	38.7	38.7	38.2	37.2
80°	66.4	60.8	55.8	50.8	42.2	37.2	34.2	33.7	33.2	32.7	32.7
82.5°	49.8	48.3	45.7	41.2	33.7	29.7	28.1	28.1	27.6	26.1	26.1
85°	28.7	28.1	30.2	26.6	22.6	19.6	19.6	20.1	20.6	20.1	18.6
87.5°	9.6	8.0	8.5	8.5	7.0	5.5	7.5	9.0	8.5	7.5	9.0
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: P141434

CATALOG NUMBER: EMM-F02-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	512.7	512.7	512.7	512.7	512.7	512.7	512.7	512.7	512.7	512.7	512.7
2.5°	516.2	517.2	519.3	517.2	516.2	516.2	515.2	515.7	514.2	512.7	513.2
5°	528.8	527.8	528.8	527.3	524.3	523.8	521.8	521.8	519.8	517.7	516.7
7.5°	542.9	541.4	541.9	538.9	535.3	532.8	530.3	529.3	526.8	523.8	521.8
10°	553.9	552.4	551.4	547.9	543.4	540.9	537.3	535.3	532.8	528.8	526.8
12.5°	561.0	557.5	555.4	549.4	545.4	542.9	538.9	537.8	534.8	531.3	529.8
15°	559.5	551.4	545.4	538.4	532.8	529.3	525.8	524.8	523.3	521.8	518.7
17.5°	534.8	524.8	518.2	503.7	495.6	492.1	491.6	491.1	490.1	490.1	486.6
20°	500.7	489.1	479.0	465.0	454.4	450.9	441.3	438.8	435.8	438.8	435.8
22.5°	470.0	455.4	443.9	432.3	419.7	409.7	397.1	391.1	382.5	380.5	381.5
25°	437.3	419.2	404.6	391.1	377.5	363.4	351.9	343.3	337.8	330.2	323.2
27.5°	397.6	382.5	362.9	351.9	335.8	320.2	308.1	299.1	289.0	283.0	272.9
30°	357.4	334.3	314.7	299.1	281.5	274.0	262.4	252.8	243.8	237.3	228.7
32.5°	305.1	281.0	260.4	242.3	230.2	219.7	212.6	204.6	200.1	194.5	189.0
35°	249.8	219.7	195.0	187.0	173.4	173.9	170.4	166.4	162.9	157.8	157.3
37.5°	188.5	164.9	148.8	138.7	136.7	133.7	134.2	133.7	132.7	131.2	131.2
40°	149.3	128.2	117.6	115.6	115.6	115.1	114.6	114.6	114.6	113.6	113.1
42.5°	127.7	112.6	109.1	108.1	107.1	106.6	105.6	104.1	104.1	103.0	101.5
45°	112.6	104.1	103.0	102.0	102.0	100.5	99.0	98.0	97.5	97.0	96.0
47.5°	103.0	98.5	97.5	96.5	96.0	95.0	93.5	92.0	91.5	91.0	91.0
50°	92.5	89.5	89.5	89.5	88.0	87.0	85.5	84.4	84.4	83.9	83.4
52.5°	84.9	83.4	82.9	82.4	81.4	79.9	78.9	78.4	77.9	78.4	77.9
55°	81.4	80.4	79.9	78.9	77.9	76.4	75.4	73.9	73.4	74.4	74.4
57.5°	77.4	76.9	76.4	75.4	74.4	72.4	70.9	69.9	69.9	71.4	70.9
60°	75.9	75.4	74.9	74.4	72.9	70.4	67.9	66.9	66.9	68.4	68.4
62.5°	72.4	71.9	71.4	70.9	68.9	66.9	64.3	63.3	63.8	64.8	66.4
65°	65.8	66.4	65.8	65.8	64.3	62.8	61.3	60.3	59.8	60.3	61.8
67.5°	59.8	60.3	60.3	60.3	59.8	58.3	57.3	55.8	54.8	55.3	55.8
70°	54.3	54.8	55.3	55.3	54.3	52.8	51.3	49.8	49.3	49.8	49.8
72.5°	48.3	48.3	48.3	48.8	48.3	47.8	45.7	43.7	43.7	43.2	43.7
75°	42.2	42.2	42.2	42.2	41.2	41.2	40.2	38.2	37.7	38.2	38.7
77.5°	37.2	36.2	35.7	35.7	35.7	34.7	34.2	34.2	33.7	33.7	33.7
80°	30.7	29.7	28.7	28.1	28.7	28.7	29.7	29.7	29.2	29.2	29.2
82.5°	24.1	22.1	21.6	21.6	20.6	21.6	23.6	26.1	25.1	25.6	25.6
85°	17.6	15.6	14.6	14.6	13.6	15.6	18.1	20.1	19.1	20.1	19.6
87.5°	8.0	7.5	6.0	5.0	6.0	9.0	10.6	11.1	9.6	11.6	11.6
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: P141434

CATALOG NUMBER: EMM-F02-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	512.7	512.7	512.7	512.7	512.7	512.7	512.7	512.7	512.7	512.7	512.7
2.5°	515.2	513.2	512.7	513.2	512.2	513.7	513.7	513.2	513.2	512.7	513.7
5°	518.2	515.7	514.2	514.2	513.2	514.7	513.7	513.2	512.7	512.7	512.7
7.5°	522.8	519.3	516.7	515.2	513.2	513.2	511.7	510.2	509.2	508.7	508.7
10°	526.8	521.8	517.7	514.2	511.2	508.7	506.2	502.7	501.7	500.7	501.2
12.5°	526.3	520.8	514.7	509.2	502.2	499.1	492.6	488.6	488.6	486.1	487.6
15°	515.2	505.7	497.1	488.1	479.5	473.5	465.5	460.9	458.4	457.9	461.4
17.5°	482.1	473.0	465.0	454.9	443.9	439.8	434.3	432.3	430.8	433.3	435.8
20°	437.3	425.8	418.2	412.2	412.2	411.2	408.7	405.1	402.1	401.6	404.6
22.5°	374.0	369.5	371.0	366.9	366.9	364.9	369.0	362.4	365.9	362.9	364.4
25°	321.2	319.2	318.2	317.7	317.7	321.2	320.7	321.7	318.2	320.2	319.7
27.5°	273.4	270.9	267.4	269.4	271.4	274.0	275.0	275.5	278.5	272.9	275.0
30°	227.7	223.7	226.2	224.2	225.2	224.7	224.7	224.7	226.7	230.7	227.7
32.5°	186.5	184.5	187.0	183.5	184.0	184.0	183.0	181.5	182.5	177.9	181.5
35°	154.3	151.8	153.8	152.3	150.8	146.8	145.3	142.8	143.3	142.3	141.8
37.5°	129.2	128.7	127.2	127.2	126.2	125.7	123.2	123.7	124.2	125.2	125.2
40°	111.6	111.1	110.6	111.6	112.1	112.6	113.6	114.6	116.1	117.6	119.1
42.5°	101.5	101.5	101.5	103.5	105.1	107.6	109.1	111.1	113.1	115.6	117.6
45°	95.5	95.0	96.0	97.5	100.0	102.5	105.1	108.1	111.1	113.6	115.1
47.5°	90.5	90.0	91.0	92.5	95.0	99.0	102.5	106.1	109.6	112.1	113.1
50°	83.9	83.9	84.4	86.0	88.5	92.0	95.5	99.5	103.0	105.1	106.1
52.5°	78.9	79.4	79.4	80.9	83.4	86.5	90.0	93.5	96.0	97.5	99.5
55°	73.9	74.9	74.9	76.4	78.9	82.4	87.0	90.0	93.0	95.0	96.5
57.5°	70.4	70.9	70.9	72.9	75.9	78.9	83.4	87.5	91.0	93.5	95.5
60°	67.4	67.9	67.4	69.9	72.4	75.9	79.9	84.4	89.5	93.0	94.5
62.5°	64.8	64.8	64.3	66.4	67.9	69.9	73.4	78.4	82.9	86.0	87.5
65°	61.8	61.8	60.8	62.8	62.8	65.8	68.4	72.9	76.4	79.9	80.9
67.5°	55.8	56.8	56.3	57.8	59.8	61.8	64.8	68.4	71.9	74.4	75.9
70°	49.8	50.3	51.8	52.8	54.8	55.8	58.3	60.8	64.3	65.8	67.4
72.5°	44.2	44.7	45.7	46.7	48.8	49.8	51.8	53.8	56.8	58.3	59.8
75°	38.7	39.2	39.7	40.7	41.7	42.7	43.7	45.7	47.8	49.8	51.3
77.5°	33.2	33.7	35.2	34.7	35.7	36.2	37.7	38.7	39.7	41.7	43.7
80°	29.2	28.7	29.7	30.2	31.2	31.2	32.2	32.2	33.7	33.7	34.2
82.5°	24.6	24.1	25.1	26.6	27.1	27.1	28.1	26.1	25.6	26.1	27.6
85°	18.6	19.1	19.6	21.6	22.1	22.1	23.1	21.6	19.6	19.6	20.6
87.5°	10.6	8.0	11.6	13.6	13.6	14.1	15.1	14.6	14.1	11.1	11.6
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: P141434
 CATALOG NUMBER: EMM-F02-LED-E1-SLL-7030

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	512.7	512.7	512.7	512.7	512.7	512.7	512.7	512.7	512.7	512.7	512.7	0°
2.5°	513.2	513.7	514.2	514.7	515.2	514.7	515.7	514.7	515.2	514.2	513.7	2.5°
5°	512.7	513.2	513.2	514.2	514.7	513.2	514.2	512.7	512.7	511.7	510.2	5°
7.5°	509.2	510.2	510.2	511.2	511.2	509.7	509.7	506.7	505.7	502.2	499.6	7.5°
10°	502.2	503.7	504.7	506.7	507.7	505.2	503.7	500.1	496.1	492.1	488.1	10°
12.5°	490.1	490.6	494.1	497.1	498.6	500.1	499.1	498.6	494.6	492.1	490.6	12.5°
15°	462.4	466.5	470.0	477.0	482.1	487.6	491.6	496.1	498.1	500.7	501.7	15°
17.5°	438.3	442.8	445.4	451.4	456.4	465.0	475.5	487.1	495.1	505.2	514.7	17.5°
20°	404.6	412.2	414.2	423.7	430.3	441.3	452.9	467.5	483.6	499.1	516.2	20°
22.5°	366.9	370.5	374.5	384.5	392.6	406.7	424.2	444.4	463.0	484.6	509.2	22.5°
25°	321.2	325.7	329.7	340.8	352.4	365.4	386.5	411.2	434.8	463.5	495.6	25°
27.5°	276.0	279.5	286.5	294.6	307.6	321.7	347.8	375.0	402.1	436.8	475.0	27.5°
30°	228.7	232.2	235.7	245.3	258.9	275.5	299.1	331.3	363.4	400.6	445.9	30°
32.5°	183.5	184.5	191.5	198.6	210.1	224.2	249.8	281.0	315.7	360.9	405.6	32.5°
35°	143.3	149.3	152.3	161.9	168.9	183.5	205.1	233.7	269.9	315.7	363.9	35°
37.5°	127.2	129.2	133.2	140.2	149.8	162.9	177.9	200.1	231.2	269.9	315.2	37.5°
40°	121.1	123.2	126.2	131.7	140.7	152.8	165.4	183.0	207.1	237.8	278.5	40°
42.5°	119.1	119.6	120.6	125.7	134.7	148.3	163.4	180.0	198.6	223.2	255.4	42.5°
45°	116.6	116.6	117.1	120.6	128.7	142.8	161.9	183.0	204.1	226.2	253.3	45°
47.5°	114.6	115.1	114.6	116.1	122.1	135.7	156.8	182.5	210.6	239.3	268.9	47.5°
50°	106.6	106.6	107.1	107.6	112.1	125.2	145.8	173.9	208.6	247.3	288.0	50°
52.5°	100.0	101.0	101.0	102.0	105.1	115.6	136.2	165.9	203.6	248.8	303.6	52.5°
55°	98.0	99.0	99.5	99.5	101.5	110.6	130.2	158.3	198.0	247.3	309.6	55°
57.5°	96.5	97.5	98.0	97.5	99.0	106.6	124.7	152.3	192.0	243.8	312.2	57.5°
60°	95.0	95.5	94.5	93.5	94.0	100.5	116.6	143.8	185.0	238.8	311.1	60°
62.5°	88.0	88.5	87.5	86.5	85.5	90.5	105.1	131.7	170.4	227.2	303.1	62.5°
65°	81.9	81.9	81.9	80.9	79.9	82.9	93.5	116.1	149.8	206.6	284.5	65°
67.5°	76.9	76.4	76.4	75.9	74.9	75.9	82.4	98.0	124.2	173.9	250.8	67.5°
70°	68.9	68.4	68.9	68.4	67.4	67.4	70.4	78.9	96.5	127.7	195.0	70°
72.5°	60.8	61.3	62.3	62.3	62.3	62.8	62.8	65.3	74.9	91.5	132.7	72.5°
75°	52.3	52.8	54.3	56.3	55.3	55.8	55.8	57.3	62.3	72.4	93.0	75°
77.5°	44.2	45.7	47.8	48.3	46.7	46.7	47.8	50.3	54.8	60.8	70.9	77.5°
80°	36.2	38.2	38.7	39.7	40.2	40.2	41.2	43.2	47.8	55.3	63.3	80°
82.5°	28.7	30.2	31.7	33.2	34.2	35.7	36.2	37.2	41.7	49.3	58.3	82.5°
85°	21.6	23.1	25.1	26.6	27.6	29.2	28.7	29.2	31.7	37.7	44.2	85°
87.5°	13.1	13.1	14.6	15.1	15.6	15.6	16.6	14.6	15.6	20.1	24.1	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°



NUMBER: P141434

NUMBER: EMM-F02-LED-E1-SLL-7030

DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
512.7	512.7	512.7	512.7	512.7	512.7	512.7
514.2	513.7	513.2	513.7	514.7	514.7	513.2
510.7	509.2	508.2	508.2	508.2	507.7	506.7
498.6	496.1	494.6	493.6	493.1	493.1	491.1
485.6	484.1	481.0	480.0	480.5	482.1	481.6
488.6	484.1	482.6	482.6	482.1	484.6	484.1
505.2	505.2	503.2	502.7	501.7	504.7	504.7
522.8	527.3	529.3	527.3	527.8	528.3	532.3
532.3	545.4	552.4	558.0	558.5	561.5	561.0
533.8	557.5	576.1	588.1	599.2	604.7	603.7
526.3	559.0	591.6	622.3	645.4	658.0	668.5
516.2	554.9	597.2	640.4	678.1	711.8	732.9
492.6	541.9	596.2	651.5	705.2	753.5	792.7
459.4	516.2	581.1	654.0	729.4	796.2	853.5
415.2	476.0	554.9	644.4	743.9	843.5	929.9
367.4	434.3	520.8	628.3	751.5	881.2	999.8
325.7	391.6	486.1	607.7	750.5	905.8	1051.1
298.6	360.4	455.9	588.1	745.4	919.9	1091.3
289.5	345.3	435.8	572.5	742.4	929.9	1118.9
301.6	349.9	431.3	565.5	741.4	941.5	1143.1
329.7	375.0	448.4	577.1	750.5	953.0	1167.2
356.4	410.2	485.6	610.2	784.2	986.7	1200.4
378.0	448.4	525.8	654.0	832.4	1039.0	1250.1
390.1	478.0	578.1	714.8	898.3	1115.9	1331.6
395.1	498.6	622.8	778.6	981.2	1203.9	1434.6
393.1	508.2	655.0	836.9	1056.1	1300.4	1551.7
380.5	508.2	675.1	883.7	1118.9	1377.3	1654.8
350.4	490.6	677.1	910.8	1167.2	1442.1	1739.2
295.1	439.8	643.4	907.8	1182.3	1462.7	1783.4
206.6	328.2	536.8	820.3	1117.9	1414.0	1734.7
128.2	204.6	384.5	634.4	930.4	1199.9	1543.7
90.0	124.2	220.2	401.6	640.4	894.2	1152.6
74.9	91.5	125.7	221.2	385.0	550.9	724.8
64.8	73.9	87.5	126.2	196.0	293.6	403.6
48.3	53.8	60.3	82.9	123.7	181.5	276.0
19.6	22.1	24.6	33.2	75.9	104.6	112.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)