

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: P180047

Luminaire Tested: **ICS-E04-LED-E1-5MQ-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180047
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33674)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICS-E04-LED-E1-5MQ-7030
Description: ICON SITE SMALL LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (84) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10600.5 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.67' x L: 1' x H: 0.1')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B3 - U0 - G2

Input Watts (W): 97.2
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



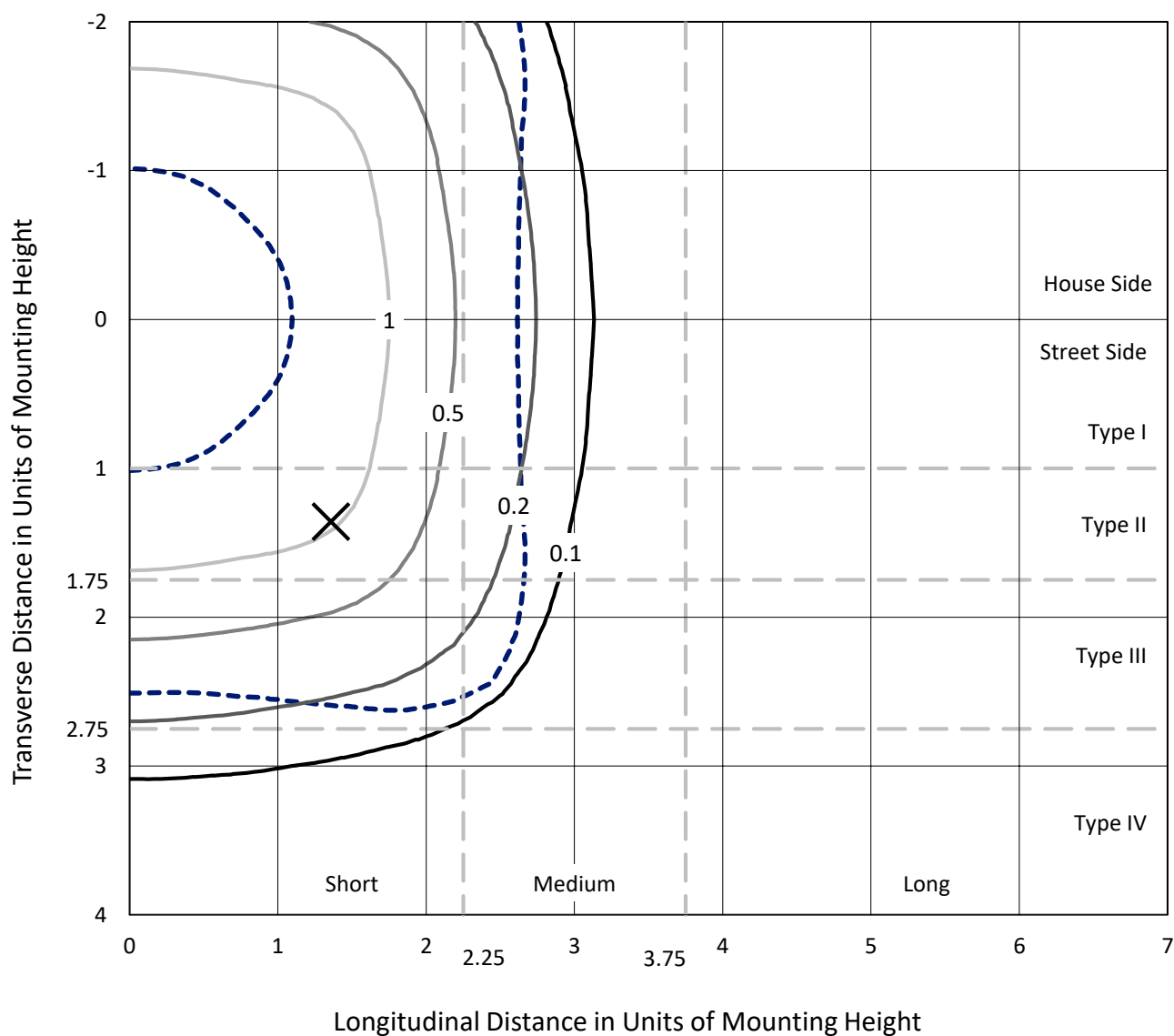
REPORT NUMBER: P180047

CATALOG NUMBER: ICS-E04-LED-E1-5MQ-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

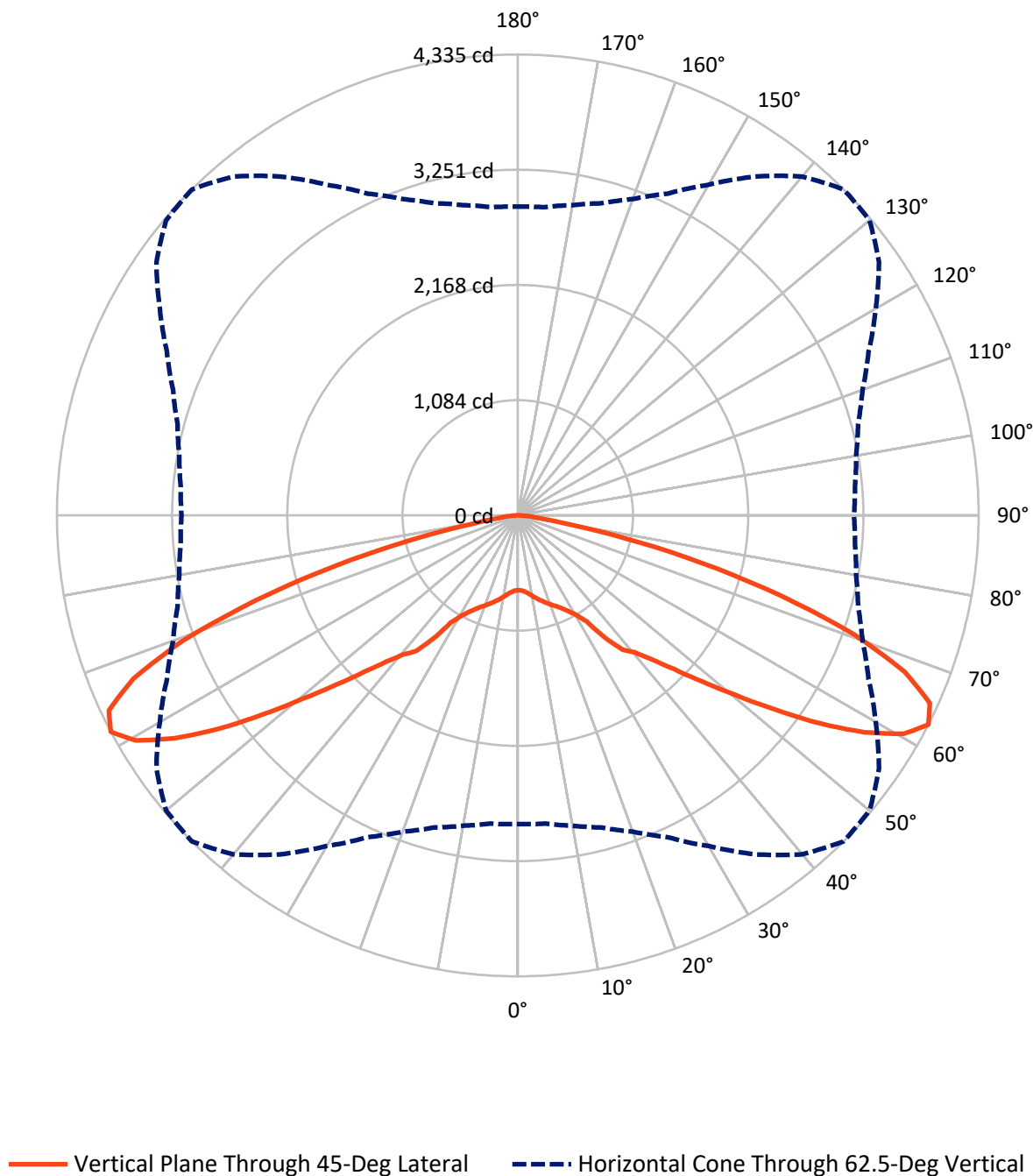


Based on 20 foot mounting height. Maximum calculated value = 2 fc
 Type V - Short - Full Cutoff

REPORT NUMBER: P180047

CATALOG NUMBER: ICS-E04-LED-E1-5MQ-7030

Luminous Intensity Polar Plot



REPORT NUMBER: P180047

CATALOG NUMBER: ICS-E04-LED-E1-5MQ-7030

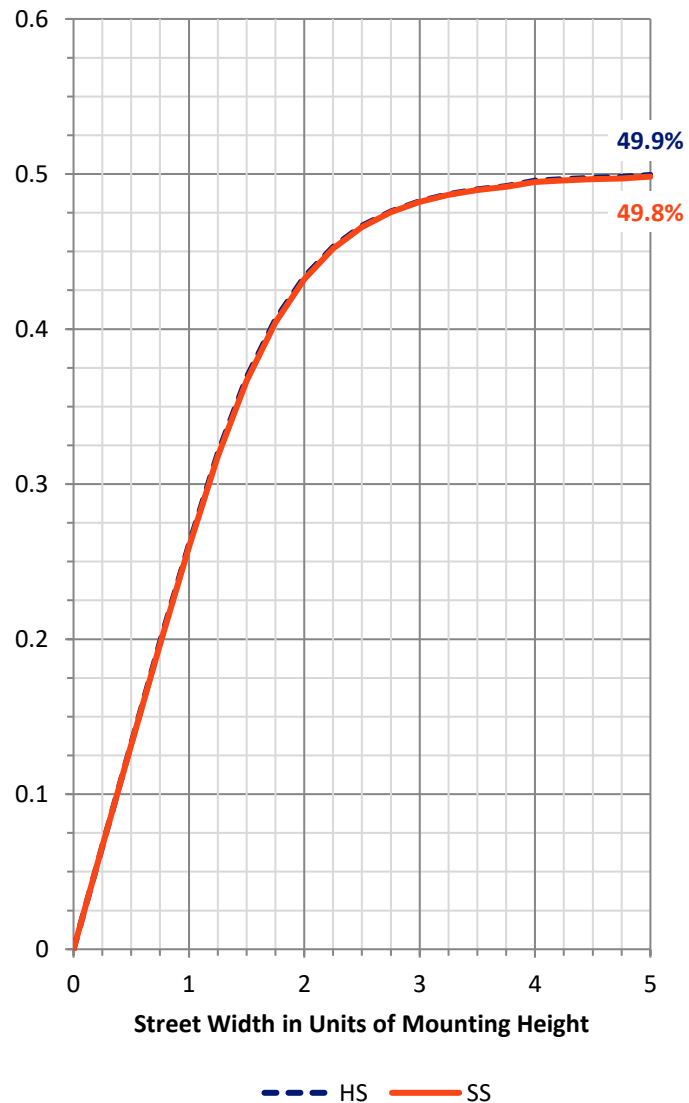
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5300.3	0.0	5300.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5300.3	0.0	5300.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	10600.5	0.0	10600.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.5	0.7
10°-20°	238.4	2.2
20°-30°	460.9	4.3
30°-40°	892.4	8.4
40°-50°	1611.3	15.2
50°-60°	2801.8	26.4
60°-70°	3180.8	30.0
70°-80°	1233.2	11.6
80°-90°	111.2	1.0
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°	10600.5	100.0
0°-180°	10600.5	100.0

Coefficient of Utilization



REPORT NUMBER: P180047

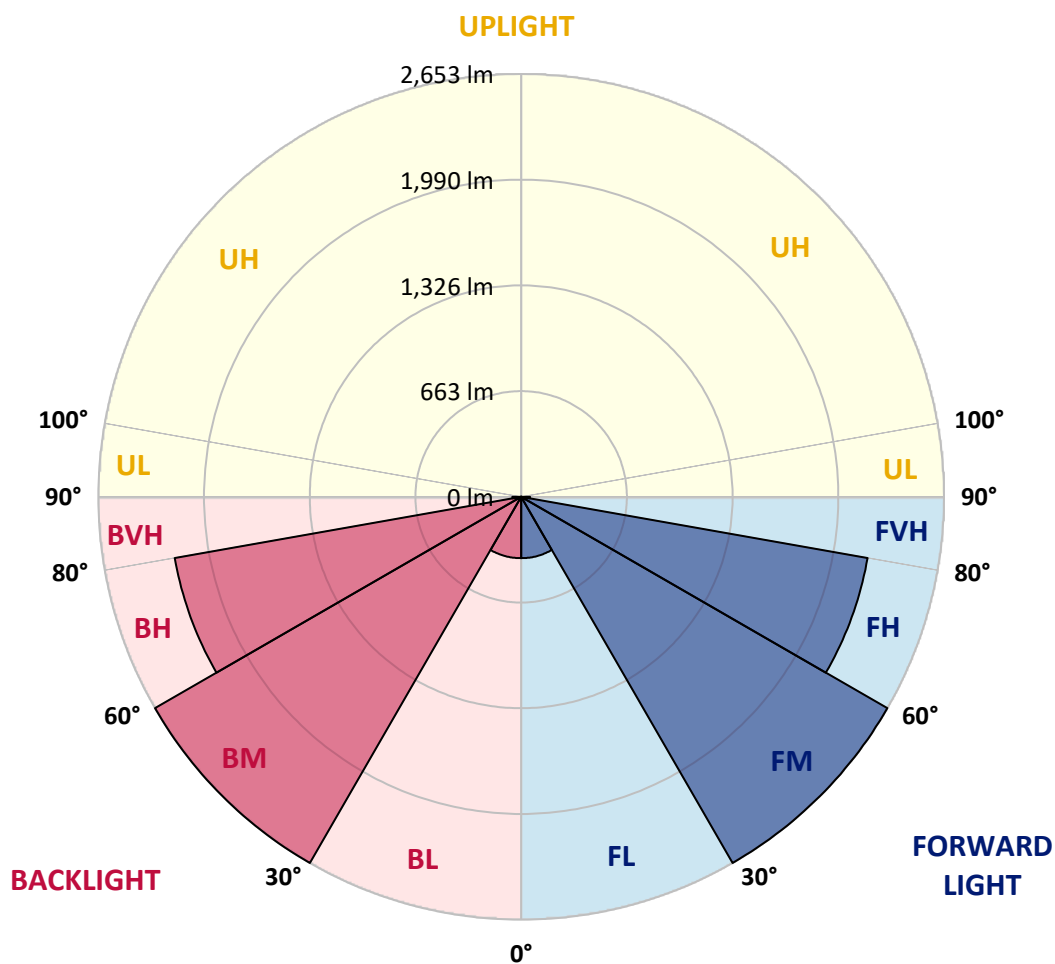
CATALOG NUMBER: ICS-E04-LED-E1-5MQ-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	384.9	3.6			
FM	(30°-60°)	2652.8	25.0			
FH	(60°-80°)	2207.0	20.8			G2/5000
FVH	(80°-90°)	55.6	0.5			G1/100
BL	(0°-30°)	384.9	3.6	B1/500		
BM	(30°-60°)	2652.8	25.0	B3/5000		
BH	(60°-80°)	2207.0	20.8	B3/2500		G2/5000
BVH	(80°-90°)	55.6	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short



REPORT NUMBER: P180047

CATALOG NUMBER: ICS-E04-LED-E1-5MQ-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	703.7	703.7	703.7	703.7	703.7	703.7	703.7	703.7	703.7	703.7	703.7
2.5°	708.1	710.3	709.8	708.7	708.7	708.6	708.1	706.4	705.8	707.0	708.1
5°	724.6	724.6	724.6	724.6	723.4	723.4	722.3	721.2	721.8	720.7	720.1
7.5°	749.7	748.0	748.0	747.5	747.5	746.4	744.8	742.6	743.2	742.6	742.0
10°	779.3	779.8	778.2	779.8	777.1	776.6	774.4	773.3	772.8	771.1	771.1
12.5°	814.9	813.3	813.3	812.2	811.1	810.0	806.7	806.2	804.0	802.9	801.2
15°	848.4	847.8	845.6	843.4	842.9	841.8	838.0	835.8	835.2	832.5	830.3
17.5°	881.8	880.7	878.0	876.8	874.6	873.0	869.7	866.4	864.8	863.7	861.0
20°	917.4	916.3	913.6	911.4	908.6	906.4	901.5	898.8	897.2	895.5	893.3
22.5°	961.8	959.6	955.2	951.4	945.4	943.2	936.6	932.8	930.0	927.8	926.8
25°	1010.0	1010.6	1004.6	999.6	992.5	986.4	978.2	973.8	971.2	969.0	968.4
27.5°	1070.3	1070.8	1065.4	1058.3	1047.3	1040.8	1029.8	1024.3	1022.6	1020.5	1019.9
30°	1165.6	1160.8	1151.4	1140.0	1130.0	1115.8	1099.9	1094.4	1089.0	1087.3	1087.4
32.5°	1341.0	1338.3	1330.6	1302.2	1289.0	1259.4	1231.4	1215.6	1197.5	1188.7	1183.2
35°	1463.8	1462.7	1456.7	1446.8	1438.6	1432.6	1416.2	1413.4	1410.2	1410.2	1414.5
37.5°	1554.2	1547.7	1546.6	1548.2	1546.0	1547.2	1560.3	1578.4	1593.7	1601.4	1600.2
40°	1688.0	1678.6	1684.1	1680.3	1675.4	1674.2	1678.6	1685.8	1692.9	1692.9	1691.2
42.5°	1862.8	1867.2	1869.4	1853.5	1843.1	1840.3	1850.8	1848.5	1855.6	1852.9	1845.8
45°	2122.6	2119.8	2116.0	2096.8	2080.4	2067.2	2070.0	2066.1	2066.6	2062.3	2056.8
47.5°	2384.6	2393.8	2378.0	2368.6	2350.0	2340.7	2348.4	2341.8	2354.4	2331.4	2320.4
50°	2638.8	2645.4	2639.9	2626.8	2626.8	2639.9	2649.2	2661.2	2678.8	2652.5	2613.0
52.5°	2847.1	2852.6	2860.8	2871.8	2898.6	2926.6	2966.0	3008.2	3041.6	3036.7	2991.8
55°	2974.2	2980.8	2994.5	3032.3	3080.6	3154.0	3243.3	3341.4	3418.1	3455.4	3422.5
57.5°	3017.0	3021.8	3059.1	3104.6	3179.8	3288.8	3438.4	3607.8	3755.2	3848.8	3834.0
60°	3007.1	3007.1	3044.9	3107.4	3212.6	3357.3	3568.8	3803.4	4029.2	4169.5	4148.7
62.5°	2903.6	2909.0	2963.2	3038.4	3165.4	3338.6	3590.8	3890.6	4160.7	4335.0	4318.0
65°	2676.6	2680.5	2739.1	2828.4	2970.4	3175.4	3451.0	3783.1	4092.8	4260.4	4228.6
67.5°	2310.0	2313.8	2361.5	2462.4	2612.6	2826.8	3124.4	3489.9	3793.0	3925.6	3830.2
70°	1837.6	1848.6	1879.2	1986.1	2100.1	2310.0	2584.0	2949.6	3235.6	3361.2	3255.9
72.5°	1252.2	1280.2	1317.5	1412.3	1521.4	1695.6	1913.8	2221.8	2451.4	2596.6	2502.9
75°	705.3	744.8	756.3	828.1	918.0	1055.5	1215.0	1435.8	1667.7	1785.5	1672.6
77.5°	304.8	337.0	351.3	384.7	454.9	512.4	609.4	758.5	937.7	1020.4	885.0
80°	150.2	157.9	163.9	174.3	194.0	212.6	258.6	323.9	397.4	415.9	331.0
82.5°	116.2	121.6	132.0	140.3	145.2	150.2	154.6	163.4	170.4	174.3	164.4
85°	81.6	88.8	100.3	109.6	115.1	119.0	122.8	125.5	119.0	108.5	114.0
87.5°	21.4	28.0	38.9	42.2	47.6	50.4	49.3	51.0	46.0	33.4	37.2
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: P180047

CATALOG NUMBER: ICS-E04-LED-E1-5MQ-7030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	703.7	703.7	703.7	703.7	703.7	703.7	703.7	703.7
2.5°	707.5	707.0	707.5	707.5	707.5	707.0	707.0	707.0
5°	720.1	720.1	720.7	719.6	719.6	720.2	719.6	719.0
7.5°	741.5	741.0	741.0	740.4	741.0	740.4	740.4	739.9
10°	770.0	768.9	769.4	767.8	767.8	767.2	767.2	767.3
12.5°	800.7	799.0	799.6	798.0	795.2	795.8	796.3	795.8
15°	830.3	828.6	827.0	825.9	824.2	824.8	824.8	824.3
17.5°	860.4	857.1	856.6	855.0	854.4	854.4	854.4	854.9
20°	891.6	889.4	888.9	887.3	886.8	888.4	888.9	887.8
22.5°	925.1	924.0	925.1	924.0	925.6	926.8	927.3	926.2
25°	967.3	966.2	967.8	971.6	973.9	975.0	977.7	976.6
27.5°	1021.6	1020.4	1024.3	1029.8	1033.0	1038.5	1041.3	1042.4
30°	1091.7	1096.6	1098.8	1109.8	1111.9	1120.7	1120.8	1124.6
32.5°	1193.6	1203.0	1219.4	1236.4	1260.0	1276.9	1276.9	1285.7
35°	1417.2	1421.0	1433.7	1436.4	1441.4	1446.8	1441.4	1445.7
37.5°	1588.8	1571.8	1559.8	1542.7	1532.4	1532.4	1533.4	1532.3
40°	1676.5	1669.8	1664.4	1650.2	1648.0	1647.4	1647.4	1649.6
42.5°	1833.2	1817.3	1808.6	1796.5	1792.6	1791.6	1791.0	1792.1
45°	2037.0	2011.3	1987.8	1975.6	1965.2	1955.4	1958.7	1958.7
47.5°	2274.4	2234.4	2196.0	2175.2	2157.1	2148.8	2143.4	2141.7
50°	2563.2	2507.2	2458.0	2419.0	2392.8	2392.2	2394.9	2377.4
52.5°	2917.2	2829.0	2767.6	2715.0	2690.3	2687.6	2678.8	2669.0
55°	3309.6	3205.0	3103.6	3047.1	3014.8	2997.2	2986.9	2970.4
57.5°	3714.0	3573.2	3427.4	3337.0	3280.0	3240.6	3219.8	3210.4
60°	4025.9	3833.5	3641.2	3496.0	3401.2	3342.5	3306.4	3291.5
62.5°	4148.6	3887.8	3641.2	3450.4	3313.4	3232.4	3183.6	3162.2
65°	4002.4	3693.2	3412.6	3202.2	3049.3	2958.8	2905.7	2882.7
67.5°	3593.5	3320.6	3015.3	2806.0	2648.6	2559.4	2501.8	2484.8
70°	3012.6	2733.6	2442.1	2255.1	2114.9	2042.0	1982.2	1975.1
72.5°	2264.0	2023.4	1773.4	1618.9	1506.0	1385.4	1354.8	1370.1
75°	1451.2	1225.9	1003.5	864.2	761.2	646.2	601.8	612.7
77.5°	687.2	532.2	384.2	297.0	249.4	213.2	203.9	198.4
80°	254.8	206.6	182.5	173.2	166.6	160.6	156.2	151.3
82.5°	165.0	161.1	156.2	154.6	149.6	142.0	127.6	121.7
85°	123.3	123.3	116.7	117.2	113.4	103.6	90.4	83.3
87.5°	36.2	32.3	29.6	27.4	26.8	24.1	17.5	15.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)