

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: P180147

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180147
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33675)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICS-E04-LED-E1-5WQ-7030
Description: ICON SITE SMALL LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (84) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10469.1 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.67' x L: 1' x H: 0.1')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B4 - 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



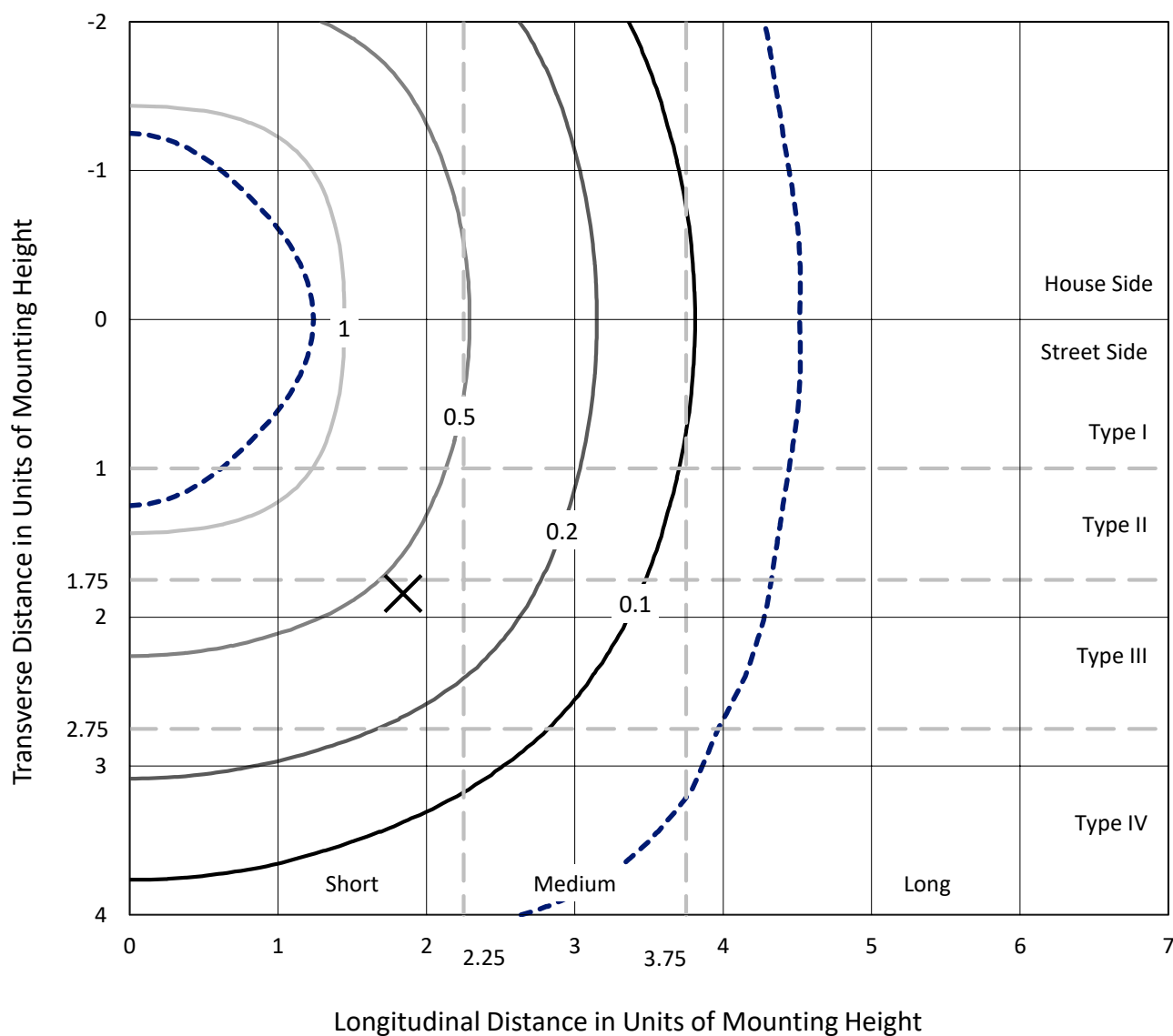
REPORT NUMBER: P180147

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

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

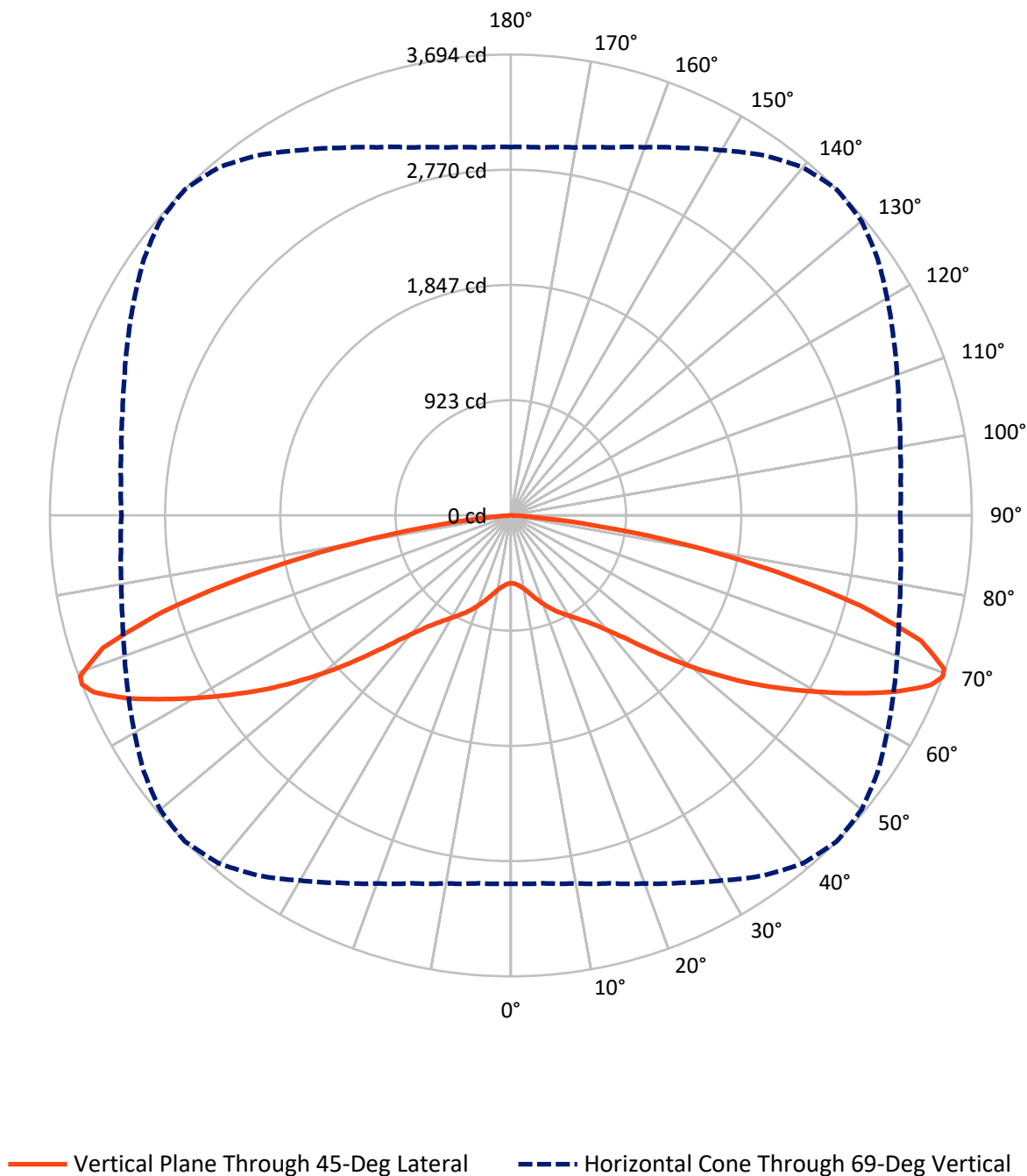


Based on 20 foot mounting height. Maximum calculated value = 1.6 fc
Type V - Short - Semi-Cutoff

REPORT NUMBER: P180147

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

Luminous Intensity Polar Plot



REPORT NUMBER: P180147

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

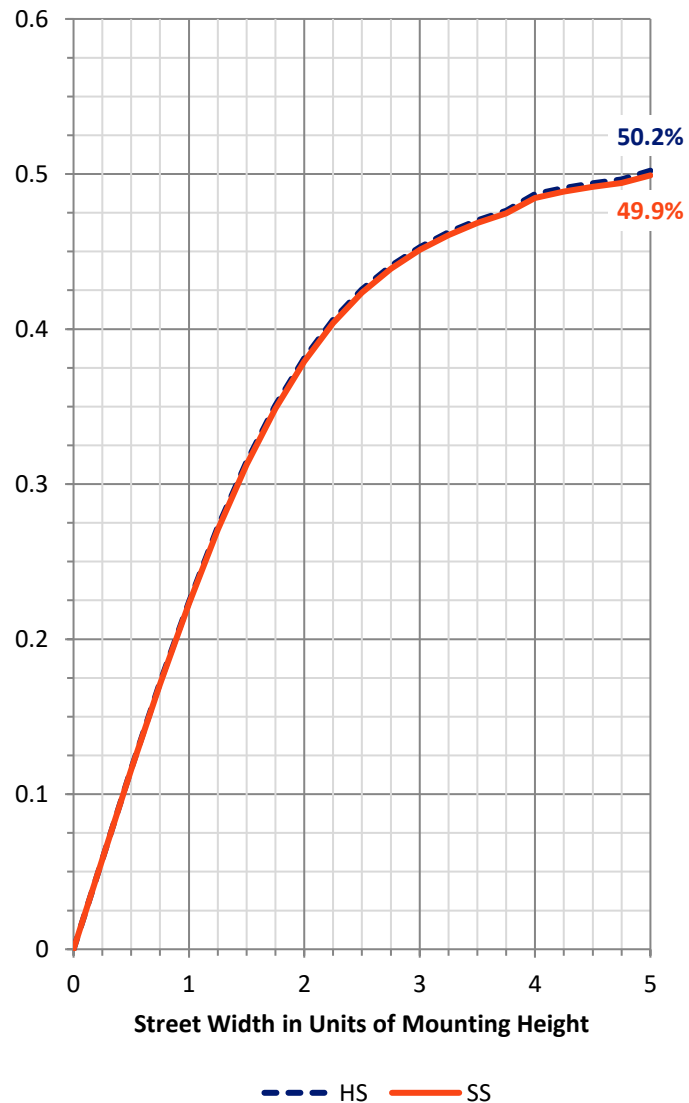
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5234.5	0.0	5234.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5234.5	0.0	5234.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10469.1	0.0	10469.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.6	0.5
10°-20°	192.8	1.8
20°-30°	390.3	3.7
30°-40°	654.4	6.3
40°-50°	1154.3	11.0
50°-60°	2035.6	19.4
60°-70°	3107.8	29.7
70°-80°	2596.9	24.8
80°-90°	282.2	2.7
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°	10469.1	100.0
0°-180°	10469.1	100.0

Coefficient of Utilization



REPORT NUMBER: P180147

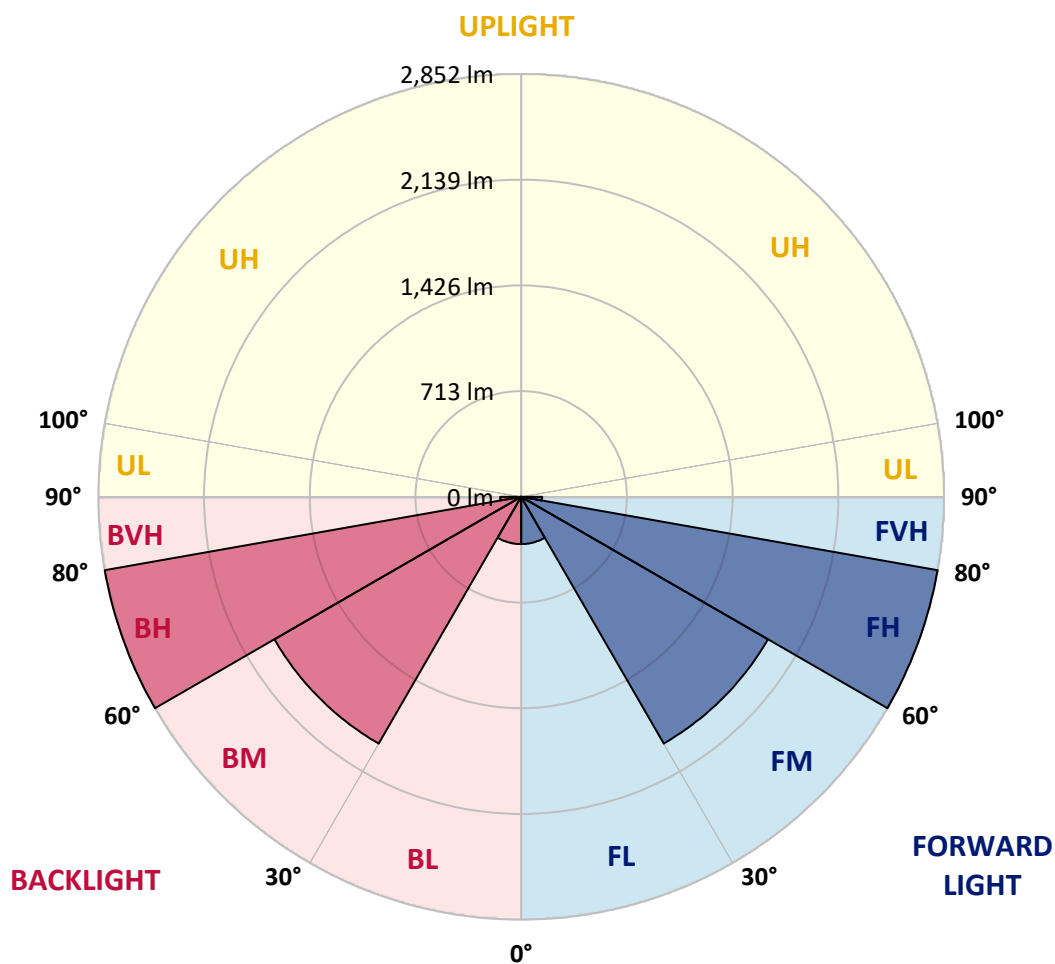
CATALOG NUMBER: ICS-E04-LED-E1-5WQ-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	318.8	3.0			
FM	(30°-60°)	1922.2	18.4			
FH	(60°-80°)	2852.4	27.2			G2/5000
FVH	(80°-90°)	141.1	1.3			G2/225
BL	(0°-30°)	318.8	3.0	B1/500		
BM	(30°-60°)	1922.2	18.4	B2/2500		
BH	(60°-80°)	2852.4	27.2	B4/5000		G2/5000
BVH	(80°-90°)	141.1	1.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



REPORT NUMBER: P180147

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	543.7	543.7	543.7	543.7	543.7	543.7	543.7	543.7	543.7	543.7	543.7
2.5°	548.0	549.1	548.0	548.0	548.0	548.0	548.0	546.9	546.9	546.9	548.0
5°	559.0	560.1	559.0	560.1	560.1	560.1	560.1	559.0	559.0	559.0	559.0
7.5°	576.5	576.5	576.5	577.6	576.5	576.5	577.6	576.5	576.5	576.5	576.5
10°	601.7	600.7	600.7	600.7	600.7	600.7	601.7	601.7	601.7	600.7	600.7
12.5°	632.4	631.3	632.4	632.4	633.5	633.5	633.5	633.5	633.5	633.5	632.4
15°	669.7	669.7	669.7	670.8	673.0	673.0	671.9	673.0	673.0	673.0	673.0
17.5°	711.4	713.5	711.4	712.5	713.5	712.5	714.6	715.7	716.8	715.7	712.5
20°	754.1	755.2	755.2	755.2	755.2	757.4	758.5	758.5	761.8	760.7	759.6
22.5°	794.7	796.9	796.9	797.9	797.9	801.2	801.2	801.2	803.4	805.6	803.4
25°	837.4	836.3	836.3	838.5	839.6	844.0	844.0	846.2	849.5	850.6	848.4
27.5°	875.8	874.7	874.7	878.0	879.1	884.5	884.5	888.9	891.1	892.2	890.0
30°	916.3	916.3	915.2	918.5	921.8	926.2	928.4	932.8	936.1	937.1	935.0
32.5°	964.6	962.4	963.5	965.6	967.8	972.2	975.5	981.0	985.4	986.5	984.3
35°	1019.4	1016.1	1017.2	1019.4	1022.6	1029.2	1034.7	1038.0	1044.6	1046.8	1042.4
37.5°	1079.6	1080.7	1079.6	1085.1	1090.6	1098.3	1104.8	1109.2	1115.8	1119.1	1115.8
40°	1165.1	1161.8	1165.1	1170.6	1179.4	1189.2	1202.4	1205.7	1212.3	1218.8	1211.2
42.5°	1275.8	1273.6	1281.3	1285.7	1295.6	1306.5	1323.0	1331.7	1341.6	1346.0	1339.4
45°	1420.5	1420.5	1429.3	1430.4	1445.7	1460.0	1483.0	1494.0	1512.6	1512.6	1512.6
47.5°	1580.5	1587.1	1592.6	1603.6	1614.5	1640.8	1663.8	1688.0	1705.5	1707.7	1704.4
50°	1746.1	1752.6	1769.1	1784.4	1808.5	1841.4	1866.6	1898.4	1913.8	1926.9	1922.5
52.5°	1929.1	1930.2	1949.9	1969.7	2004.7	2040.9	2081.5	2114.3	2141.7	2153.8	2143.9
55°	2129.7	2131.9	2149.4	2170.2	2209.7	2251.3	2301.8	2335.7	2370.8	2392.7	2376.3
57.5°	2346.7	2347.8	2365.3	2390.6	2437.7	2479.3	2527.6	2575.8	2608.7	2628.4	2617.4
60°	2586.7	2592.2	2605.4	2637.2	2682.1	2726.0	2774.2	2816.9	2855.3	2876.1	2865.2
62.5°	2843.2	2848.7	2867.3	2892.6	2932.0	2980.2	3026.3	3081.1	3112.9	3135.9	3119.4
65°	3015.3	3025.2	3054.8	3088.8	3146.8	3209.3	3263.0	3337.6	3375.9	3403.3	3388.0
67.5°	3026.3	3031.8	3067.9	3119.4	3197.3	3291.5	3401.1	3517.3	3593.0	3629.1	3602.8
69°	2951.7	2959.4	2994.5	3052.6	3139.2	3248.8	3379.2	3523.9	3640.1	3693.8	3668.6
70°	2867.3	2883.8	2922.1	2985.7	3070.1	3185.2	3320.0	3474.6	3610.5	3683.9	3665.3
72.5°	2689.8	2694.2	2719.4	2769.8	2834.5	2929.8	3057.0	3202.7	3332.1	3437.3	3452.7
75°	2387.3	2401.5	2420.1	2454.1	2487.0	2556.1	2641.6	2741.3	2816.9	2898.0	2901.3
77.5°	1804.1	1846.9	1861.1	1868.8	1883.1	1937.9	2012.4	2099.0	2161.5	2174.6	2172.4
80°	810.0	867.0	880.2	942.6	981.0	1072.0	1186.0	1318.6	1407.4	1417.2	1393.1
82.5°	158.9	169.9	198.4	247.7	337.6	391.3	465.8	559.0	644.5	693.8	664.2
85°	52.6	55.9	64.7	71.2	82.2	93.2	112.9	140.3	174.3	192.9	172.1
87.5°	20.8	20.8	24.1	26.3	28.5	28.5	28.5	26.3	25.2	20.8	18.6
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: P180147

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

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	543.7	543.7	543.7	543.7	543.7	543.7	543.7	543.7
2.5°	546.9	546.9	546.9	546.9	546.9	546.9	546.9	546.9
5°	559.0	557.9	557.9	556.8	556.8	556.8	556.8	556.8
7.5°	575.4	574.3	573.2	574.3	573.2	573.2	573.2	573.2
10°	600.7	598.5	597.4	596.3	596.3	596.3	595.2	595.2
12.5°	630.2	630.2	629.1	628.1	625.9	627.0	625.9	623.7
15°	670.8	668.6	667.5	666.4	664.2	664.2	664.2	663.1
17.5°	711.4	709.2	709.2	705.9	704.8	704.8	704.8	705.9
20°	756.3	753.0	750.8	748.6	746.4	747.5	745.3	747.5
22.5°	801.2	796.9	794.7	791.4	788.1	788.1	787.0	784.8
25°	845.1	839.6	837.4	834.1	829.7	829.7	827.5	825.3
27.5°	886.7	881.2	879.1	872.5	868.1	867.0	864.8	863.7
30°	932.8	926.2	922.9	916.3	909.7	908.7	905.4	905.4
32.5°	981.0	974.4	972.2	962.4	956.9	956.9	954.7	952.5
35°	1041.3	1031.4	1029.2	1019.4	1011.7	1011.7	1009.5	1010.6
37.5°	1112.5	1104.8	1097.2	1089.5	1080.7	1079.6	1077.4	1075.3
40°	1207.9	1199.1	1190.3	1179.4	1171.7	1169.5	1166.2	1165.1
42.5°	1335.0	1326.3	1308.7	1300.0	1292.3	1285.7	1284.6	1283.5
45°	1497.2	1486.3	1474.2	1457.8	1447.9	1433.7	1431.5	1426.0
47.5°	1692.3	1671.5	1650.7	1636.4	1621.1	1604.7	1601.4	1592.6
50°	1899.5	1883.1	1848.0	1825.0	1800.9	1784.4	1773.5	1770.2
52.5°	2122.0	2091.3	2056.2	2025.6	1990.5	1968.6	1948.8	1943.3
55°	2354.4	2310.5	2266.7	2230.5	2195.4	2169.1	2150.5	2141.7
57.5°	2586.7	2538.5	2490.3	2450.8	2421.2	2387.3	2368.6	2364.2
60°	2829.0	2782.9	2733.6	2694.2	2658.0	2628.4	2617.4	2596.6
62.5°	3085.5	3037.2	2991.2	2952.8	2906.8	2886.0	2867.3	2855.3
65°	3337.6	3281.7	3223.6	3183.0	3137.0	3107.4	3084.4	3067.9
67.5°	3532.7	3448.3	3370.4	3302.5	3240.0	3194.0	3164.4	3149.0
69°	3587.5	3482.2	3382.5	3293.7	3220.3	3168.8	3135.9	3120.5
70°	3580.9	3464.7	3355.1	3257.5	3177.5	3122.7	3090.9	3062.4
72.5°	3378.1	3271.8	3150.1	3043.8	2971.5	2918.9	2887.1	2871.7
75°	2882.7	2811.4	2723.8	2641.6	2588.9	2558.3	2518.8	2519.9
77.5°	2099.0	2101.2	2042.0	1957.6	1898.4	1887.4	1869.9	1852.4
80°	1302.1	1198.0	1130.1	1039.1	972.2	914.1	888.9	834.1
82.5°	600.7	469.1	363.9	275.1	211.5	165.5	144.7	118.4
85°	133.7	101.9	84.4	68.0	58.1	53.7	43.8	40.6
87.5°	18.6	16.4	15.3	14.2	12.1	8.8	6.6	5.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)