

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: P180332

Luminaire Tested: **ICS-F02-LED-E1-RW-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180332
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33677)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICS-F02-LED-E1-RW-7030
Description: ICON SITE SMALL LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (14) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4240 lumens
Efficiency: N/A
Efficacy: 77.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')
IES Classification: Type I - Short - Full Cutoff
BUG Rating: B2 - 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

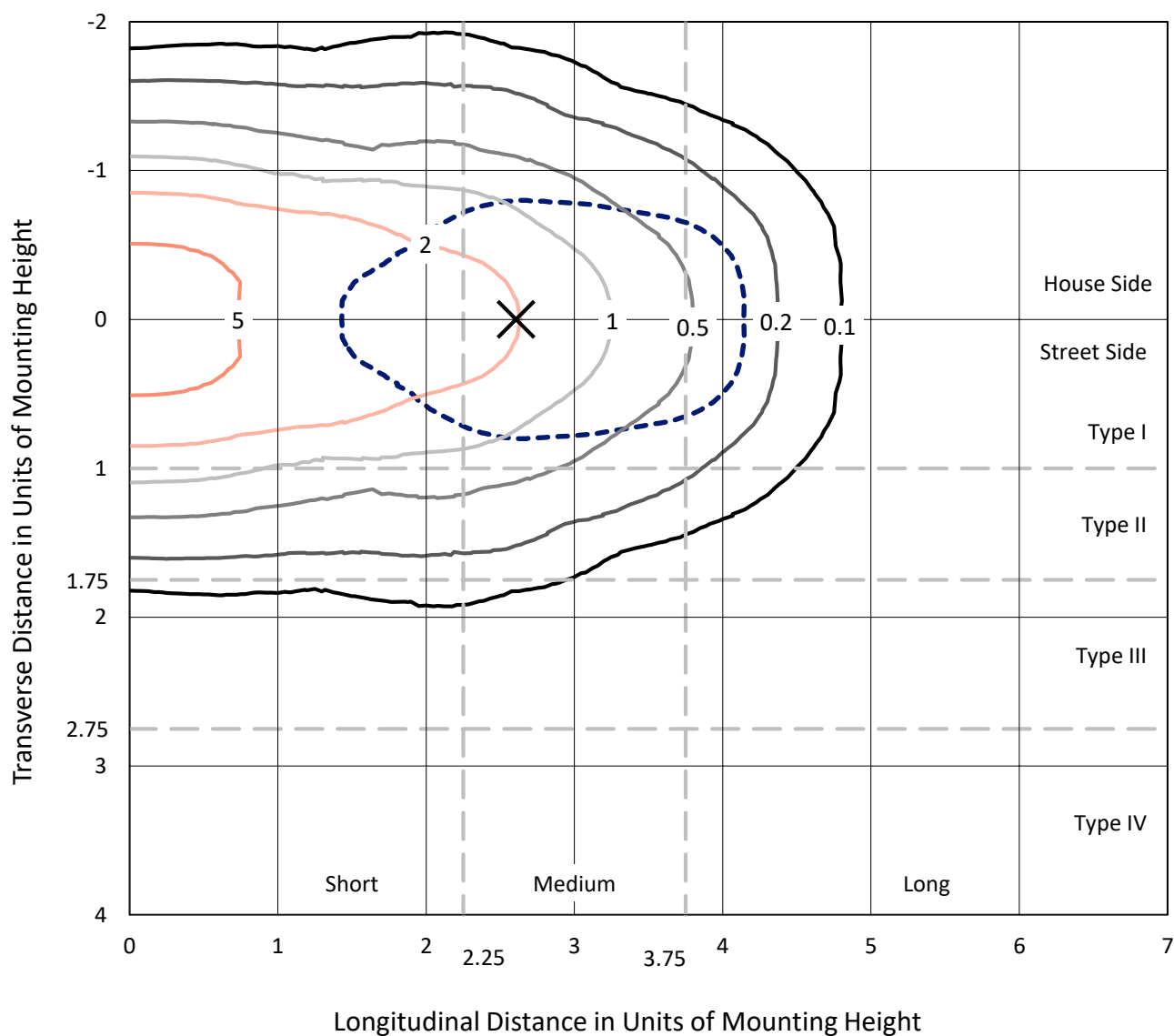


REPORT NUMBER: P180332

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

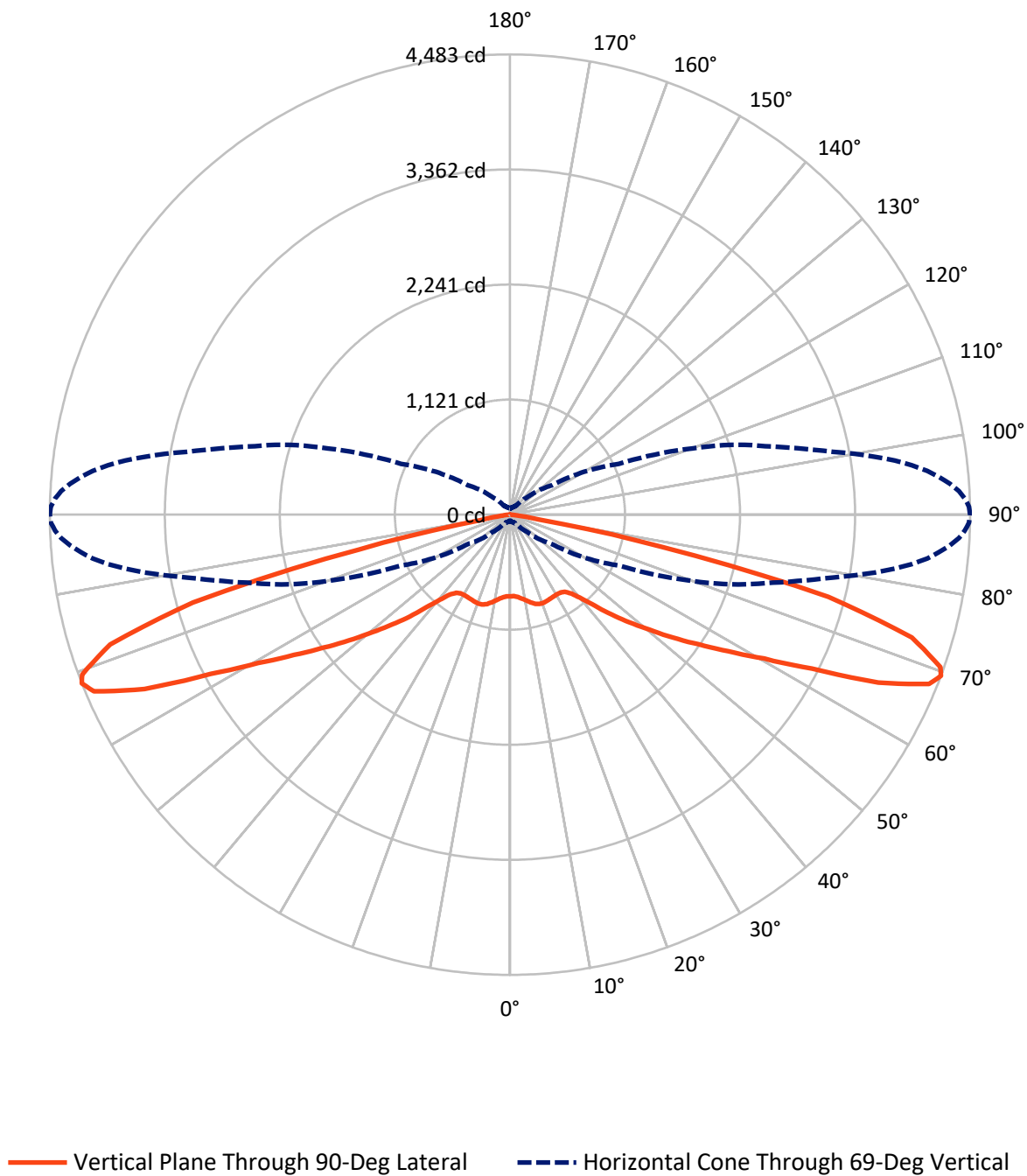


Based on 10 foot mounting height. Maximum calculated value = 8.1 fc
 Type I - Short - Full Cutoff

REPORT NUMBER: P180332

CATALOG NUMBER: ICS-F02-LED-E1-RW-7030

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2120.0	0.0	2120.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2120.0	0.0	2120.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4240.0	0.0	4240.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.9	1.8
10°-20°	245.8	5.8
20°-30°	398.3	9.4
30°-40°	496.3	11.7
40°-50°	620.2	14.6
50°-60°	765.9	18.1
60°-70°	951.6	22.4
70°-80°	631.8	14.9
80°-90°	52.2	1.2
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°	4240.0	100.0
0°-180°	4240.0	100.0

Coefficient of Utilization



REPORT NUMBER: P180332

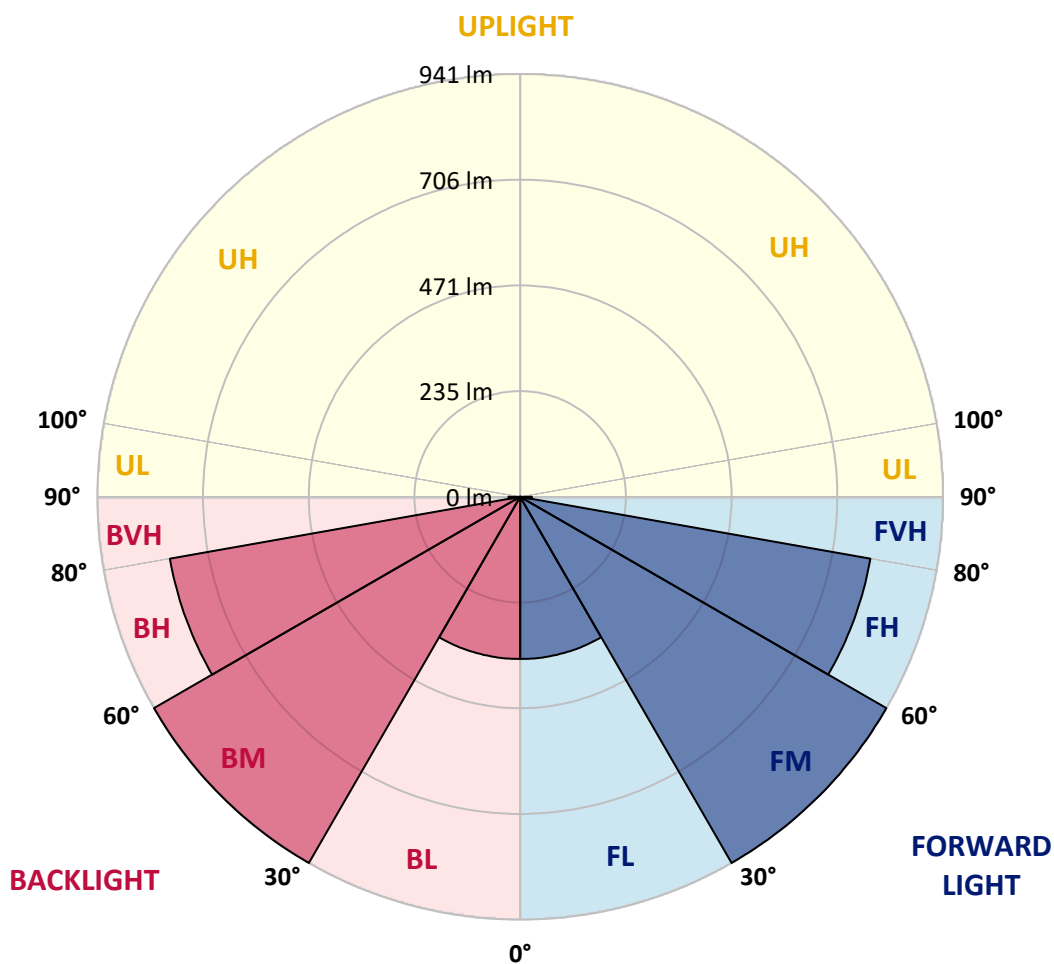
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	361.0	8.5			
FM	(30°-60°)	941.2	22.2			
FH	(60°-80°)	791.7	18.7			G1/1800
FVH	(80°-90°)	26.1	0.6			G1/100
BL	(0°-30°)	361.0	8.5	B1/500		
BM	(30°-60°)	941.2	22.2	B1/1000		
BH	(60°-80°)	791.7	18.7	B2/1000		G2/1000
BVH	(80°-90°)	26.1	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type I Short



REPORT NUMBER: P180332

CATALOG NUMBER: ICS-F02-LED-E1-RW-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	794.5	794.5	794.5	794.5	794.5	794.5	794.5	794.5	794.5	794.5	794.5
2.5°	798.0	798.8	798.2	799.2	799.0	799.0	798.6	797.6	797.0	796.7	796.7
5°	805.8	804.8	806.2	807.6	807.1	807.4	807.2	807.2	806.7	806.6	806.6
7.5°	813.9	813.6	814.6	818.2	818.7	820.0	821.6	822.8	823.0	823.2	822.9
10°	820.9	821.2	823.4	828.6	831.4	835.6	840.0	843.3	844.6	845.3	845.2
12.5°	826.6	826.8	830.2	838.4	844.9	853.0	862.3	867.6	869.8	870.2	870.6
15°	827.0	827.7	833.6	847.0	860.0	873.4	884.5	891.5	893.3	894.5	894.6
17.5°	821.2	821.6	831.6	851.2	873.2	894.0	905.5	908.7	909.4	909.8	909.6
20°	805.8	806.9	820.9	850.1	883.6	910.7	922.7	918.4	916.2	916.0	915.8
22.5°	780.9	780.6	799.0	838.4	885.6	923.8	934.5	923.2	916.5	915.1	914.2
25°	740.6	743.3	764.8	811.8	874.0	926.8	942.8	925.7	916.1	913.9	911.3
27.5°	697.0	698.6	721.4	771.8	847.2	916.6	946.9	930.6	919.9	916.9	913.8
30°	646.0	648.0	672.5	725.2	804.0	890.4	945.8	942.0	929.4	925.8	922.0
32.5°	596.3	598.6	620.5	678.2	758.5	854.4	939.0	958.0	945.1	941.1	937.2
35°	544.8	548.1	574.8	633.2	714.6	814.4	928.6	978.6	971.4	968.0	964.4
37.5°	502.0	502.6	528.4	589.8	673.8	776.1	914.8	1004.6	1009.8	1009.8	1010.3
40°	454.2	458.5	484.3	549.0	637.0	743.8	901.7	1039.9	1066.9	1071.8	1075.7
42.5°	411.5	412.0	438.2	505.0	597.0	717.8	894.4	1082.4	1140.2	1150.8	1161.3
45°	366.5	368.2	392.0	456.4	550.8	687.0	894.2	1131.5	1223.8	1241.5	1257.9
47.5°	324.0	324.6	349.7	409.7	497.9	644.0	892.6	1184.2	1309.8	1336.0	1357.4
50°	283.2	282.6	307.2	364.9	445.6	587.7	878.8	1243.9	1402.6	1432.4	1458.7
52.5°	236.6	239.8	265.4	320.5	398.2	530.4	838.6	1309.3	1499.1	1533.5	1566.6
55°	191.0	192.2	219.6	271.2	350.0	477.1	768.4	1369.5	1593.2	1632.3	1669.0
57.5°	140.7	144.8	168.8	219.6	301.1	432.0	679.3	1400.7	1672.9	1718.0	1761.7
60°	99.3	102.4	123.8	166.5	247.4	384.8	602.7	1383.3	1737.1	1794.6	1847.1
62.5°	77.4	79.8	96.8	124.6	193.0	337.5	547.6	1326.9	1808.3	1883.4	1955.0
65°	67.9	70.2	85.6	99.8	144.1	289.3	517.6	1267.4	1903.8	2014.3	2114.1
67.5°	61.3	64.0	77.4	87.3	117.4	252.4	509.6	1229.9	1950.6	2094.5	2229.1
69°	58.4	61.0	73.0	81.4	109.0	239.4	496.0	1170.8	1887.4	2041.2	2188.2
70°	56.6	58.8	69.9	78.5	106.3	230.2	473.4	1097.2	1800.8	1956.0	2109.7
72.5°	52.5	53.6	63.4	71.7	98.6	186.2	364.2	814.8	1424.8	1576.2	1725.3
75°	46.3	47.8	56.8	64.9	76.9	115.5	230.5	504.0	959.4	1072.1	1210.5
77.5°	40.0	41.2	49.1	62.0	59.7	72.2	137.8	280.5	544.6	610.1	700.1
80°	32.2	33.5	40.5	61.6	49.3	56.1	99.1	196.1	267.4	286.9	308.5
82.5°	23.5	24.6	31.7	49.8	37.8	42.3	75.6	166.2	191.0	199.8	204.2
85°	12.0	12.2	20.1	30.3	24.0	22.0	42.5	113.8	129.6	131.8	135.2
87.5°	2.0	2.0	4.5	5.2	5.8	3.6	5.4	19.4	22.5	22.3	24.2
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: P180332

CATALOG NUMBER: ICS-F02-LED-E1-RW-7030

CANDELA DISTRIBUTION (continued):

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	794.5	794.5	794.5	794.5	794.5	794.5	794.5	794.5	794.5	794.5	794.5
2.5°	797.0	796.9	797.2	797.2	797.5	796.6	796.4	796.2	796.2	796.8	796.3
5°	806.8	806.7	806.9	807.3	807.2	806.6	806.5	806.7	806.0	805.8	806.2
7.5°	823.4	823.2	822.7	823.4	823.9	824.0	824.5	824.0	823.8	823.6	824.0
10°	846.0	845.9	846.0	846.8	847.3	847.4	848.0	847.4	847.2	847.6	847.6
12.5°	871.4	870.9	872.0	872.5	873.2	874.5	873.8	874.8	874.1	875.2	875.2
15°	895.4	895.7	896.7	897.1	897.3	898.4	898.6	899.2	898.3	898.5	900.3
17.5°	910.2	910.0	910.7	911.0	911.6	912.2	913.3	913.9	913.4	913.4	914.3
20°	915.3	914.6	914.8	915.1	915.2	915.8	916.5	916.6	916.6	916.8	917.8
22.5°	912.8	911.6	910.5	910.6	910.7	910.6	911.1	911.4	911.9	912.4	913.4
25°	909.4	906.8	904.6	904.4	903.8	903.8	904.1	904.2	904.6	905.3	906.2
27.5°	909.7	906.2	902.8	901.6	900.4	899.6	899.3	898.8	899.2	899.9	900.8
30°	917.5	912.1	907.1	905.6	903.8	902.3	901.0	899.4	898.5	899.2	899.6
32.5°	931.1	925.8	920.9	918.4	915.9	913.2	910.7	909.1	907.1	906.4	906.2
35°	960.1	955.9	951.4	948.7	944.5	942.4	939.3	935.0	931.8	931.5	929.7
37.5°	1008.9	1006.9	1003.7	1000.8	999.4	993.8	990.2	987.9	984.2	986.5	982.6
40°	1079.0	1082.4	1085.4	1083.6	1084.2	1082.7	1080.5	1082.6	1080.2	1079.5	1080.2
42.5°	1169.0	1180.9	1189.2	1191.8	1198.5	1201.1	1206.0	1213.6	1212.0	1220.6	1222.2
45°	1273.1	1290.2	1306.8	1319.2	1332.7	1347.9	1363.2	1375.4	1384.8	1384.4	1394.8
47.5°	1379.4	1404.6	1426.7	1445.3	1469.5	1492.0	1516.7	1541.6	1559.7	1566.6	1568.8
50°	1487.1	1516.2	1546.4	1573.7	1606.5	1642.4	1681.2	1720.1	1739.6	1755.4	1766.0
52.5°	1599.9	1633.2	1665.4	1703.9	1744.4	1791.8	1840.3	1895.6	1925.0	1954.9	1970.8
55°	1707.2	1744.4	1777.6	1829.2	1878.8	1935.4	1998.8	2068.7	2119.6	2154.6	2185.6
57.5°	1804.6	1844.3	1885.0	1943.2	2006.5	2072.6	2153.0	2237.9	2293.4	2354.4	2409.4
60°	1899.9	1949.7	1996.5	2072.7	2147.8	2230.0	2330.1	2437.6	2523.4	2606.4	2669.8
62.5°	2026.2	2090.1	2148.3	2244.0	2342.3	2443.9	2563.0	2690.1	2814.6	2927.2	3012.4
65°	2212.6	2306.6	2393.8	2515.1	2639.1	2772.8	2914.9	3077.4	3226.6	3375.8	3497.9
67.5°	2354.2	2473.2	2585.1	2731.8	2877.7	3032.7	3204.5	3396.3	3581.2	3749.2	3898.0
69°	2326.4	2452.6	2573.8	2723.5	2875.2	3033.6	3206.8	3410.8	3602.8	3785.4	3945.1
70°	2241.8	2373.3	2499.0	2647.5	2801.2	2960.0	3141.2	3341.6	3538.2	3732.7	3894.0
72.5°	1858.0	1989.9	2111.9	2263.9	2418.7	2585.3	2757.1	2952.2	3162.2	3370.1	3511.4
75°	1332.1	1448.7	1567.0	1695.5	1846.5	1983.9	2141.0	2327.2	2503.7	2665.0	2773.1
77.5°	787.3	857.2	941.5	1002.0	1089.6	1165.3	1245.2	1348.7	1403.0	1507.0	1533.7
80°	320.8	318.9	331.4	319.0	321.8	311.6	300.8	298.8	281.8	303.1	287.2
82.5°	203.8	189.6	174.4	153.4	134.9	115.5	97.6	82.8	80.1	80.6	79.6
85°	134.2	128.1	114.4	96.2	78.4	62.9	50.4	39.8	39.3	38.7	38.4
87.5°	24.3	22.6	18.5	15.8	13.3	9.9	7.0	5.2	5.0	5.0	5.9
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: P180332

CATALOG NUMBER: ICS-F02-LED-E1-RW-7030

CANDELA DISTRIBUTION (continued):

	84°	85°	86°	87°	88°	89°	90°
0°	794.5	794.5	794.5	794.5	794.5	794.5	794.5
2.5°	796.3	796.2	796.0	796.5	796.3	795.6	794.9
5°	806.7	805.8	806.4	807.1	806.0	806.2	805.8
7.5°	824.1	823.8	824.0	823.4	823.0	823.6	824.3
10°	848.6	848.1	847.8	848.6	848.0	847.6	847.8
12.5°	875.9	875.8	875.6	875.9	875.6	875.0	874.5
15°	900.1	900.6	900.6	900.1	899.9	899.6	899.9
17.5°	915.0	914.8	914.8	914.8	914.6	914.8	915.2
20°	918.9	918.2	918.2	918.6	918.2	918.6	918.9
22.5°	913.6	913.6	913.7	913.9	914.4	914.4	914.8
25°	907.2	907.1	907.1	907.6	907.6	907.8	908.0
27.5°	901.9	901.9	901.9	902.4	902.4	902.6	903.0
30°	900.4	900.4	900.1	900.3	900.6	900.6	900.8
32.5°	906.4	905.8	905.6	905.0	904.6	904.6	904.4
35°	927.9	926.1	926.3	925.0	925.4	924.3	923.4
37.5°	980.2	978.4	976.4	973.6	972.0	974.1	974.1
40°	1077.9	1079.0	1074.0	1072.6	1069.8	1071.8	1074.5
42.5°	1223.2	1224.5	1225.4	1218.0	1217.7	1216.1	1211.6
45°	1395.2	1392.1	1393.4	1390.0	1388.7	1383.8	1389.8
47.5°	1577.4	1579.4	1571.2	1568.5	1573.2	1565.2	1566.3
50°	1772.2	1772.6	1766.4	1765.2	1769.4	1754.0	1761.3
52.5°	1982.0	1983.0	1987.8	1982.0	1984.3	1980.7	1987.9
55°	2205.3	2222.3	2223.9	2230.0	2230.4	2237.9	2230.4
57.5°	2440.0	2459.1	2477.2	2501.9	2507.3	2504.4	2509.1
60°	2722.5	2772.9	2800.0	2838.7	2844.9	2861.6	2847.1
62.5°	3092.6	3171.0	3230.2	3260.2	3278.2	3313.3	3301.8
65°	3610.1	3703.5	3793.6	3836.5	3884.0	3933.8	3942.8
67.5°	4034.0	4137.8	4231.4	4305.9	4363.8	4400.5	4403.4
69°	4087.0	4197.4	4296.0	4378.8	4435.1	4472.6	4482.6
70°	4039.2	4152.0	4256.6	4335.5	4398.4	4436.6	4450.0
72.5°	3659.8	3794.2	3878.0	3958.4	4047.2	4058.6	4095.3
75°	2897.0	3017.6	3099.8	3121.0	3167.4	3225.8	3204.9
77.5°	1511.1	1563.6	1581.0	1543.9	1542.1	1576.2	1508.4
80°	287.8	288.2	283.4	281.6	285.0	281.6	276.9
82.5°	81.2	80.1	79.4	81.2	81.0	80.8	82.3
85°	37.6	36.4	34.6	34.6	35.6	34.2	34.8
87.5°	5.2	4.3	4.3	4.3	4.0	4.0	4.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)