

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: P180346

Luminaire Tested: **ICS-E04-LED-E1-RW-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180346  
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-E04-LED-E1-RW-8030  
Description: ICON SITE SMALL LED LUMINAIRE  
(4) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE  
Light Source: (84) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9492.2 lumens  
Efficiency: N/A  
Efficacy: 97.7 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.67' x L: 1' x H: 0.1')  
IES Classification: Type I - Short - Full Cutoff  
BUG Rating: B3 - U0 - G3

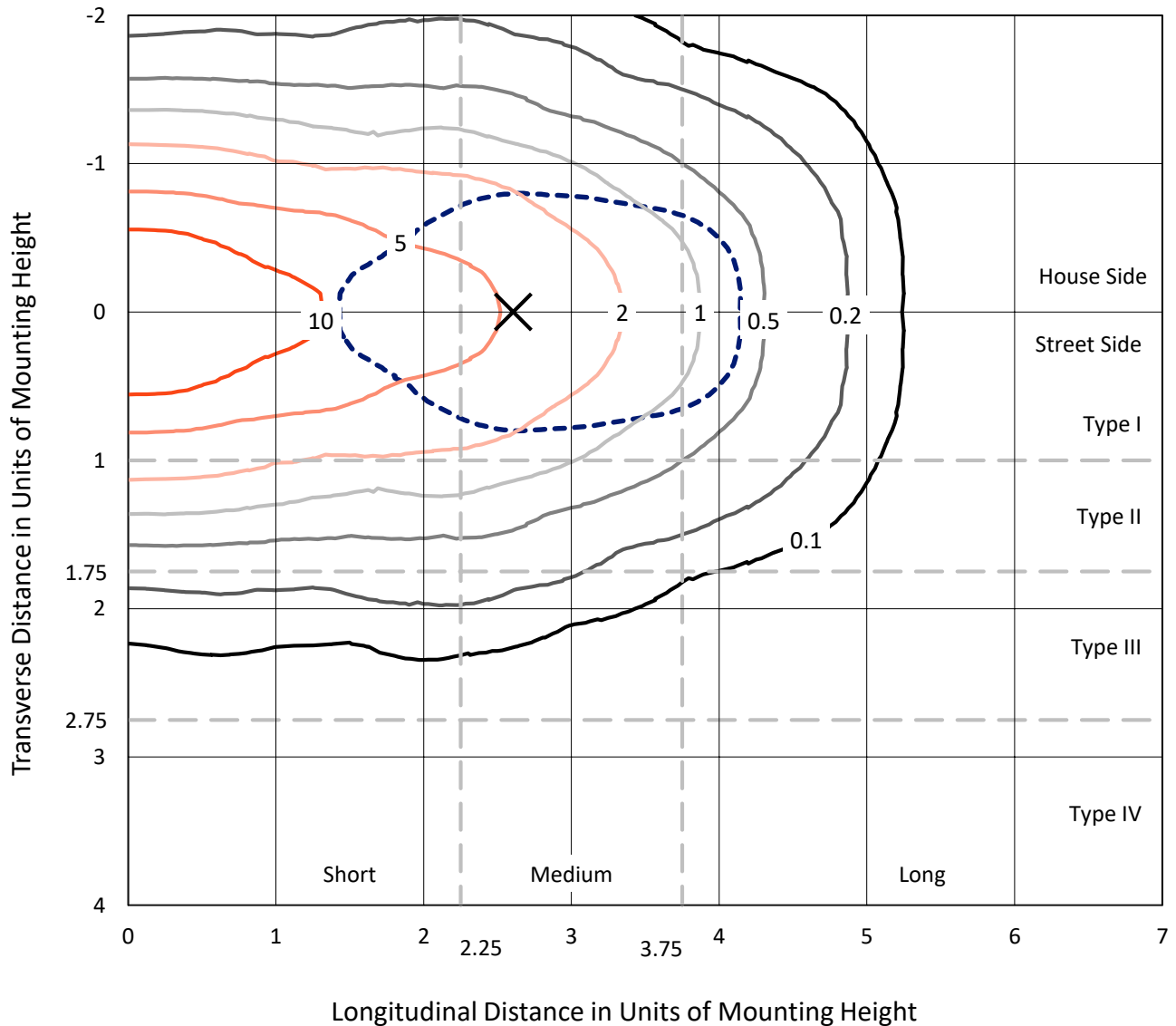
Input Watts (W): 97.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P180346  
 CATALOG NUMBER: ICS-E04-LED-E1-RW-8030

### Iso-Footcandle Lines of Horizontal Illumination

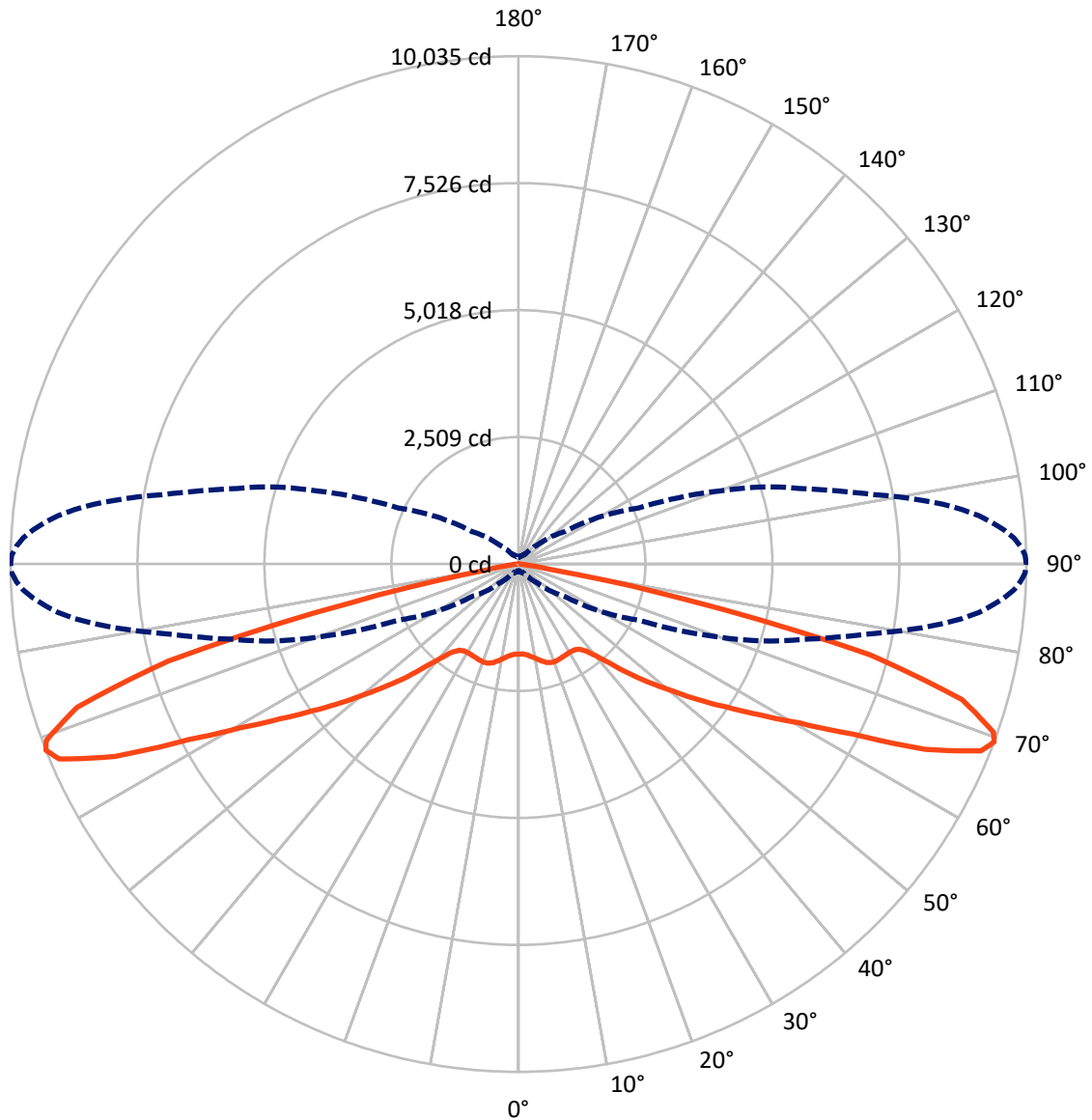
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.2 fc  
 Type I - Short - Full Cutoff

REPORT NUMBER: P180346  
CATALOG NUMBER: ICS-E04-LED-E1-RW-8030

### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P180346

CATALOG NUMBER: ICS-E04-LED-E1-RW-8030

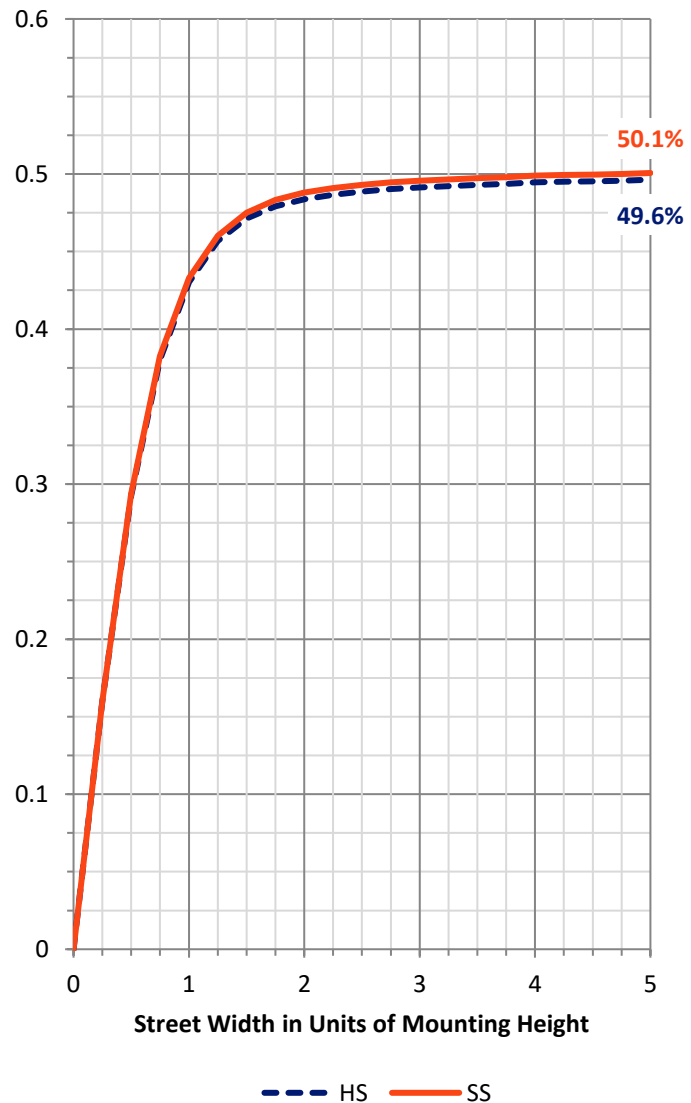
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4746.1	0.0	4746.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4746.1	0.0	4746.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9492.2	0.0	9492.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	174.5	1.8
10°-20°	550.3	5.8
20°-30°	891.6	9.4
30°-40°	1111.2	11.7
40°-50°	1388.5	14.6
50°-60°	1714.5	18.1
60°-70°	2130.4	22.4
70°-80°	1414.3	14.9
80°-90°	116.8	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°	9492.2	100.0
0°-180°	9492.2	100.0



REPORT NUMBER: P180346

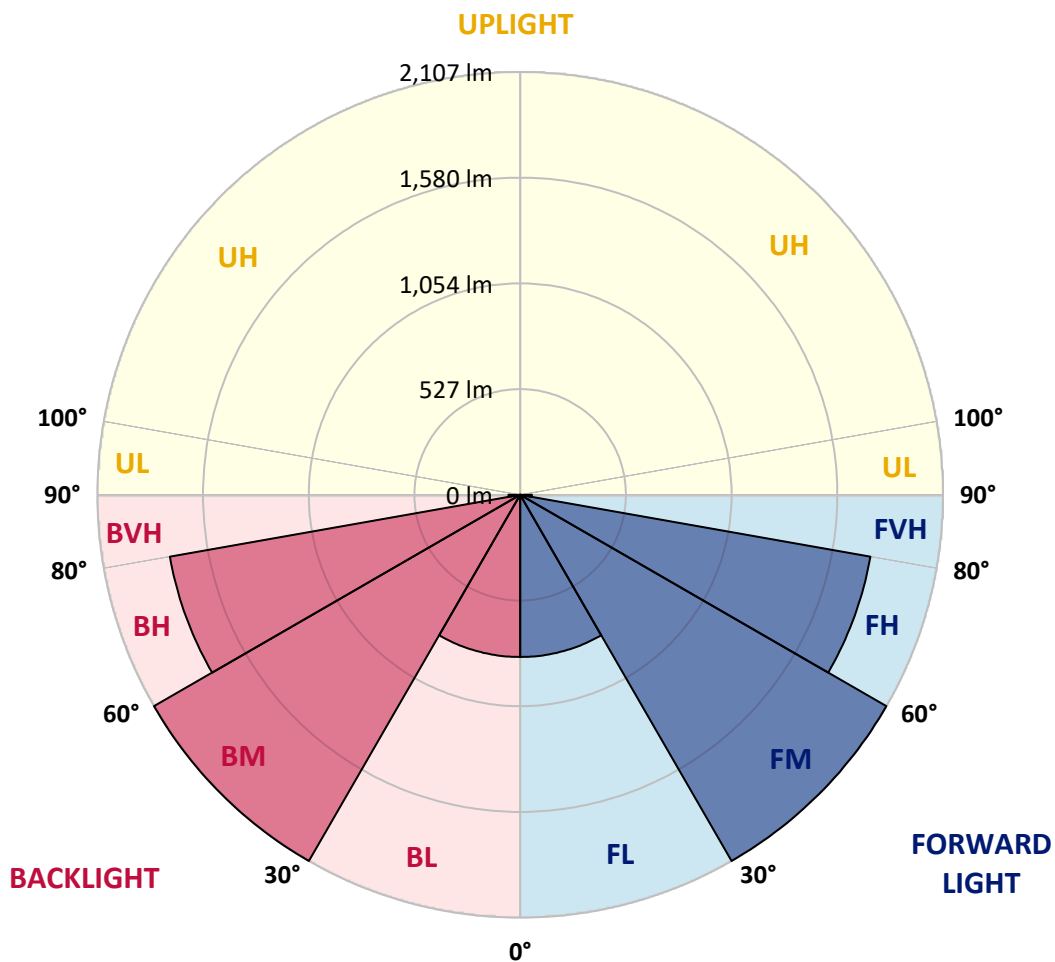
CATALOG NUMBER: ICS-E04-LED-E1-RW-8030

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	808.2	8.5			
FM	(30°-60°)	2107.1	22.2			
FH	(60°-80°)	1772.4	18.7			G1/1800
FVH	(80°-90°)	58.4	0.6			G1/100
BL	(0°-30°)	808.2	8.5	B2/1000		
BM	(30°-60°)	2107.1	22.2	B2/2500		
BH	(60°-80°)	1772.4	18.7	B3/2500		G3/2500
BVH	(80°-90°)	58.4	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type I Short





REPORT NUMBER: P180346

CATALOG NUMBER: ICS-E04-LED-E1-RW-8030

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	1778.6	1778.6	1778.6	1778.6	1778.6	1778.6	1778.6	1778.6	1778.6	1778.6	1778.6
2.5°	1786.6	1788.2	1787.2	1789.2	1788.7	1788.6	1787.6	1785.6	1784.4	1783.5	1783.6
5°	1803.9	1801.8	1804.9	1808.0	1806.9	1807.4	1807.0	1806.9	1805.9	1805.8	1805.7
7.5°	1822.2	1821.6	1823.6	1831.8	1832.8	1835.8	1839.4	1841.8	1842.4	1842.9	1842.4
10°	1837.8	1838.3	1843.4	1855.0	1861.1	1870.7	1880.4	1888.0	1890.7	1892.5	1892.2
12.5°	1850.4	1851.0	1858.6	1876.8	1891.5	1909.7	1930.4	1942.2	1947.2	1948.1	1949.0
15°	1851.5	1853.0	1866.2	1896.0	1925.4	1955.3	1980.1	1995.8	1999.9	2002.6	2002.8
17.5°	1838.3	1839.3	1861.6	1905.6	1954.8	2001.4	2027.2	2034.3	2035.8	2036.8	2036.3
20°	1803.8	1806.4	1837.8	1903.1	1978.1	2038.8	2065.7	2056.0	2051.3	2050.7	2050.2
22.5°	1748.2	1747.7	1788.7	1876.8	1982.6	2068.2	2092.0	2066.7	2051.8	2048.7	2046.6
25°	1658.0	1664.1	1712.2	1817.6	1956.8	2074.8	2110.8	2072.3	2050.7	2045.9	2040.1
27.5°	1560.3	1563.8	1615.0	1727.9	1896.6	2052.0	2119.8	2083.4	2059.4	2052.6	2045.9
30°	1446.4	1450.9	1505.6	1623.6	1799.8	1993.2	2117.4	2108.8	2080.6	2072.6	2064.0
32.5°	1335.0	1340.0	1389.1	1518.2	1698.0	1912.8	2102.2	2144.7	2115.8	2106.9	2098.0
35°	1219.5	1227.1	1286.8	1417.4	1599.8	1823.2	2078.9	2190.8	2174.8	2167.0	2159.1
37.5°	1123.8	1125.2	1183.0	1320.2	1508.6	1737.6	2048.0	2249.0	2260.7	2260.7	2261.7
40°	1016.9	1026.6	1084.2	1229.1	1426.1	1665.1	2018.6	2328.0	2388.6	2399.6	2408.2
42.5°	921.2	922.2	981.0	1130.3	1336.4	1606.9	2002.4	2423.2	2552.6	2576.3	2599.9
45°	820.4	824.4	877.6	1022.0	1233.2	1538.0	2001.8	2533.1	2739.7	2779.4	2816.1
47.5°	725.2	726.7	782.9	917.2	1114.6	1441.8	1998.4	2651.1	2932.4	2990.9	3038.8
50°	634.0	632.5	687.8	816.8	997.6	1315.7	1967.5	2784.8	3140.1	3206.7	3265.7
52.5°	529.7	536.8	594.0	717.6	891.3	1187.6	1877.3	2931.1	3356.0	3433.1	3507.2
55°	427.4	430.5	491.7	607.2	783.4	1068.0	1720.3	3065.9	3566.7	3654.1	3736.4
57.5°	315.0	324.1	377.8	491.7	674.0	967.2	1520.8	3135.8	3745.2	3846.1	3943.9
60°	222.3	229.4	277.0	372.8	554.0	861.4	1349.1	3096.8	3888.8	4017.6	4135.2
62.5°	173.2	178.8	216.8	279.0	432.0	755.6	1226.0	2970.7	4048.3	4216.2	4376.6
65°	151.9	157.0	191.4	223.3	322.6	647.7	1158.7	2837.5	4262.1	4509.4	4732.9
67.5°	137.2	143.3	173.2	195.4	262.8	565.2	1141.0	2753.5	4366.9	4689.0	4990.3
69°	130.6	136.7	163.6	182.4	244.1	535.8	1110.6	2621.2	4225.3	4569.6	4898.8
70°	126.6	131.7	156.5	175.8	238.0	515.6	1060.0	2456.2	4031.4	4378.9	4722.9
72.5°	117.5	120.0	141.8	160.6	220.8	416.8	815.4	1824.1	3189.7	3528.6	3862.5
75°	103.8	106.8	127.2	145.4	172.2	258.8	516.0	1128.4	2147.8	2400.2	2710.0
77.5°	89.6	92.2	109.9	138.8	133.7	161.6	308.4	628.0	1219.2	1365.9	1567.3
80°	72.0	75.0	90.6	137.8	110.4	125.6	221.8	439.0	598.6	642.3	690.7
82.5°	52.6	55.2	70.9	111.4	84.6	94.7	169.1	372.2	427.6	447.5	457.1
85°	26.8	27.4	45.0	67.9	53.7	49.1	95.2	254.8	290.2	295.2	302.7
87.5°	4.6	4.6	10.2	11.6	13.2	8.1	12.2	43.6	50.4	50.0	54.3
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: P180346

CATALOG NUMBER: ICS-E04-LED-E1-RW-8030

**CANDELA DISTRIBUTION (continued):**

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	1778.6	1778.6	1778.6	1778.6	1778.6	1778.6	1778.6	1778.6	1778.6	1778.6	1778.6
2.5°	1784.3	1784.0	1784.6	1784.7	1785.4	1783.4	1783.0	1782.6	1782.6	1783.6	1782.6
5°	1806.1	1806.0	1806.4	1807.2	1807.0	1805.8	1805.6	1805.9	1804.4	1803.9	1804.9
7.5°	1843.4	1842.9	1841.9	1843.5	1844.6	1844.7	1845.8	1844.9	1844.4	1843.8	1844.9
10°	1894.0	1893.7	1894.0	1895.8	1897.0	1897.2	1898.4	1897.0	1896.6	1897.6	1897.6
12.5°	1950.9	1949.8	1952.2	1953.3	1954.8	1957.8	1956.3	1958.4	1956.8	1959.4	1959.4
15°	2004.5	2005.2	2007.4	2008.4	2008.8	2011.2	2011.6	2013.0	2011.0	2011.5	2015.6
17.5°	2037.8	2037.3	2038.8	2039.7	2041.0	2042.3	2044.6	2046.0	2045.0	2045.0	2047.0
20°	2049.1	2047.5	2048.0	2048.7	2048.9	2050.1	2051.8	2052.0	2052.0	2052.5	2054.6
22.5°	2043.5	2040.9	2038.4	2038.6	2038.8	2038.5	2039.7	2040.4	2041.4	2042.4	2045.0
25°	2035.8	2030.0	2025.2	2024.8	2023.4	2023.5	2024.1	2024.2	2025.2	2026.7	2028.8
27.5°	2036.6	2028.9	2021.2	2018.4	2015.7	2014.0	2013.2	2012.0	2013.0	2014.6	2016.6
30°	2054.0	2041.8	2030.8	2027.3	2023.4	2019.9	2017.0	2013.6	2011.5	2013.0	2014.0
32.5°	2084.5	2072.6	2061.6	2056.1	2050.5	2044.4	2038.9	2035.3	2030.8	2029.2	2028.7
35°	2149.3	2139.9	2130.0	2123.8	2114.5	2109.6	2102.9	2093.0	2086.0	2085.4	2081.4
37.5°	2258.7	2254.1	2247.0	2240.4	2237.4	2224.8	2216.6	2211.6	2203.4	2208.5	2199.9
40°	2415.8	2423.3	2429.8	2426.0	2427.2	2423.9	2419.0	2423.8	2418.2	2416.6	2418.2
42.5°	2617.0	2643.7	2662.2	2668.1	2683.1	2689.0	2699.9	2717.0	2713.4	2732.6	2736.2
45°	2850.2	2888.4	2925.6	2953.2	2983.4	3017.6	3051.9	3079.0	3100.3	3099.3	3122.6
47.5°	3088.2	3144.6	3194.0	3235.7	3289.9	3340.2	3395.5	3451.3	3491.8	3507.0	3512.0
50°	3329.2	3394.3	3461.9	3523.1	3596.4	3676.8	3763.8	3850.8	3894.4	3929.8	3953.6
52.5°	3581.7	3656.3	3728.3	3814.7	3905.1	4011.3	4119.9	4243.8	4309.6	4376.5	4412.0
55°	3821.8	3905.2	3979.4	4095.0	4206.0	4332.7	4474.6	4631.2	4745.2	4823.6	4893.0
57.5°	4040.1	4128.8	4220.0	4350.4	4491.9	4640.0	4820.0	5010.0	5134.1	5270.8	5393.9
60°	4253.3	4364.8	4469.7	4640.1	4808.4	4992.4	5216.4	5457.2	5649.2	5835.0	5976.8
62.5°	4535.9	4679.0	4809.4	5023.8	5243.7	5471.2	5737.7	6022.4	6300.9	6553.1	6744.0
65°	4953.4	5163.8	5359.0	5630.5	5908.1	6207.5	6525.6	6889.4	7223.6	7557.3	7830.8
67.5°	5270.4	5536.8	5787.4	6115.7	6442.4	6789.4	7173.9	7603.4	8017.2	8393.4	8726.6
69°	5208.1	5490.7	5762.0	6097.2	6436.9	6791.3	7179.1	7635.8	8065.8	8474.5	8832.0
70°	5018.9	5313.3	5594.4	5927.0	6271.2	6626.4	7032.4	7480.8	7920.9	8356.4	8717.6
72.5°	4159.4	4454.8	4728.0	5068.2	5414.6	5787.9	6172.3	6609.3	7079.2	7544.7	7861.2
75°	2982.2	3243.4	3508.0	3795.9	4133.8	4441.4	4793.1	5210.0	5605.0	5966.2	6208.2
77.5°	1762.7	1919.0	2107.8	2243.2	2439.4	2608.7	2787.6	3019.3	3140.8	3373.8	3433.6
80°	718.2	713.9	741.9	714.2	720.3	697.7	673.4	669.0	631.0	678.6	643.2
82.5°	456.2	424.3	390.4	343.5	302.0	258.6	218.7	185.4	179.3	180.3	178.3
85°	300.5	286.8	256.2	215.4	175.6	140.9	112.8	89.2	88.1	86.6	86.0
87.5°	54.4	50.5	41.6	35.4	29.9	22.3	15.7	11.6	11.2	11.2	13.2
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: P180346

CATALOG NUMBER: ICS-E04-LED-E1-RW-8030

**CANDELA DISTRIBUTION (continued):**

	84°	85°	86°	87°	88°	89°	90°
0°	1778.6	1778.6	1778.6	1778.6	1778.6	1778.6	1778.6
2.5°	1782.6	1782.6	1782.1	1783.1	1782.6	1781.1	1779.6
5°	1805.9	1803.8	1805.4	1806.9	1804.4	1804.9	1803.9
7.5°	1844.9	1844.4	1844.9	1843.4	1842.4	1843.9	1845.4
10°	1899.6	1898.6	1898.1	1899.6	1898.6	1897.6	1898.1
12.5°	1960.9	1960.8	1960.4	1960.8	1960.4	1958.8	1957.8
15°	2015.0	2016.0	2016.0	2015.0	2014.6	2014.0	2014.5
17.5°	2048.5	2048.0	2048.0	2048.0	2047.4	2048.0	2049.0
20°	2057.1	2055.6	2055.6	2056.6	2055.6	2056.6	2057.1
22.5°	2045.4	2045.4	2045.4	2046.0	2047.0	2047.0	2048.0
25°	2030.8	2030.8	2030.8	2031.8	2031.8	2032.2	2032.8
27.5°	2019.1	2019.1	2019.1	2020.1	2020.2	2020.6	2021.6
30°	2015.6	2015.6	2015.0	2015.6	2016.1	2016.1	2016.6
32.5°	2029.2	2027.8	2027.2	2026.2	2025.2	2025.2	2024.7
35°	2077.4	2073.3	2073.8	2070.8	2071.8	2069.2	2067.2
37.5°	2194.3	2190.3	2185.7	2179.6	2176.1	2180.6	2180.7
40°	2413.1	2415.6	2404.5	2401.4	2394.8	2399.4	2405.5
42.5°	2738.2	2741.2	2743.3	2726.6	2726.1	2722.5	2712.4
45°	3123.6	3116.6	3119.6	3112.0	3109.0	3097.8	3111.5
47.5°	3531.3	3535.8	3517.6	3511.6	3522.2	3503.9	3506.5
50°	3967.3	3968.4	3954.6	3951.6	3961.2	3926.8	3943.0
52.5°	4437.2	4439.3	4450.0	4437.2	4442.4	4434.2	4450.4
55°	4937.1	4975.1	4978.6	4992.3	4993.4	5010.0	4993.3
57.5°	5462.2	5505.4	5545.8	5601.0	5613.2	5606.6	5617.2
60°	6094.8	6207.7	6268.5	6355.1	6368.8	6406.2	6373.8
62.5°	6923.3	7099.0	7231.7	7298.6	7339.1	7417.6	7391.7
65°	8082.0	8291.2	8492.7	8588.9	8695.2	8806.7	8826.9
67.5°	9031.0	9263.4	9473.2	9639.8	9769.4	9851.4	9858.0
69°	9149.6	9396.7	9617.4	9802.8	9929.0	10013.0	10035.3
70°	9042.7	9295.3	9529.3	9706.1	9846.9	9932.4	9962.3
72.5°	8193.4	8494.2	8681.6	8861.8	9060.4	9086.2	9168.3
75°	6485.8	6755.7	6939.5	6987.2	7091.0	7221.6	7175.0
77.5°	3382.9	3500.4	3539.4	3456.3	3452.3	3528.8	3376.8
80°	644.2	645.2	634.6	630.5	638.1	630.5	619.9
82.5°	181.8	179.3	177.8	181.8	181.3	180.8	184.3
85°	84.0	81.6	77.5	77.5	79.6	76.5	78.0
87.5°	11.6	9.6	9.6	9.6	9.1	9.1	9.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)