

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: P180533

Luminaire Tested: **ICS-F02-LED-E1-SL2**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180533  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33678)  
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-SL2  
Description: ICON SITE SMALL LED LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL  
Light Source: (14) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4540 lumens  
Efficiency: N/A  
Efficacy: 82.5 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G1

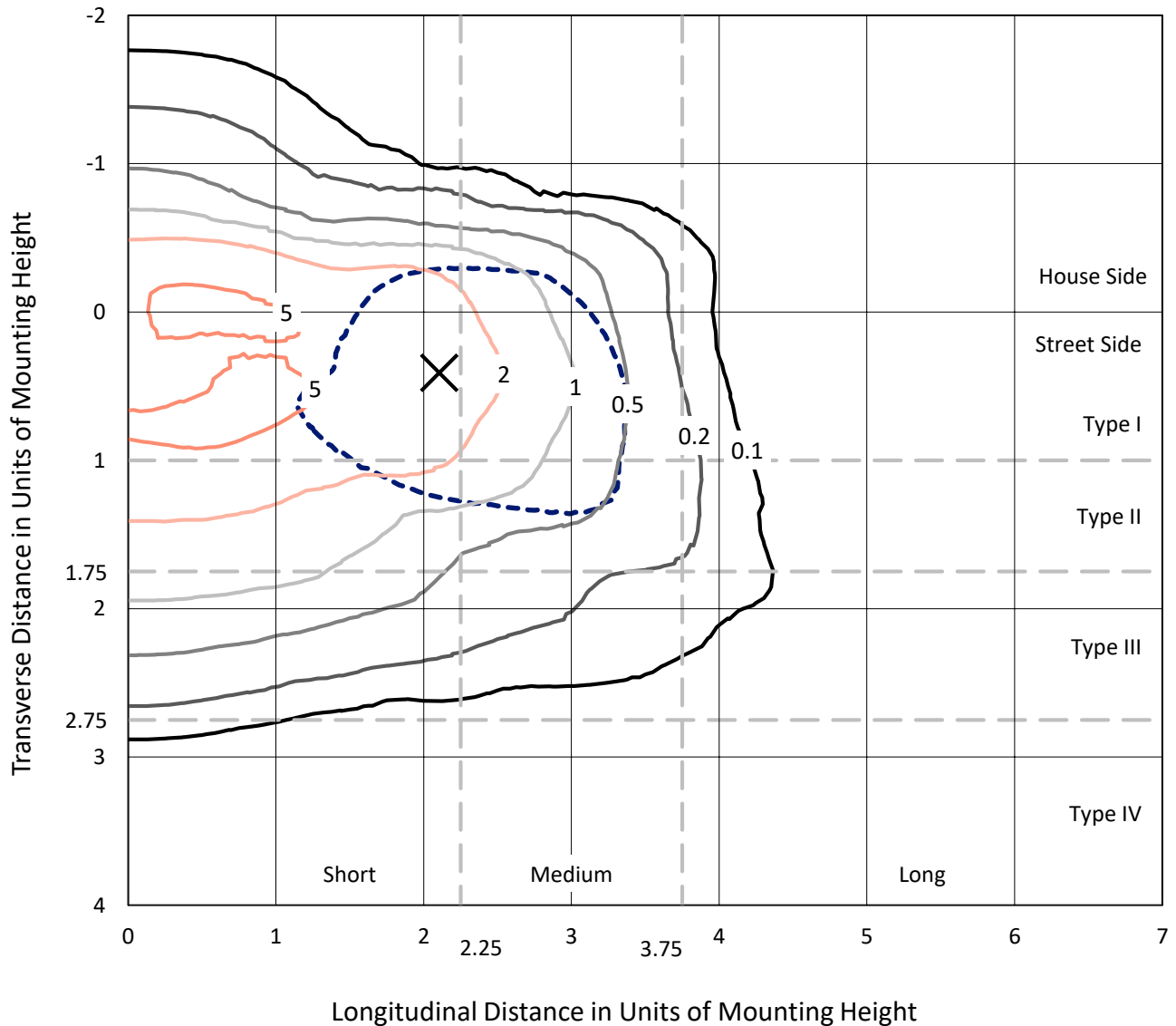
Input Watts (W): 55  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

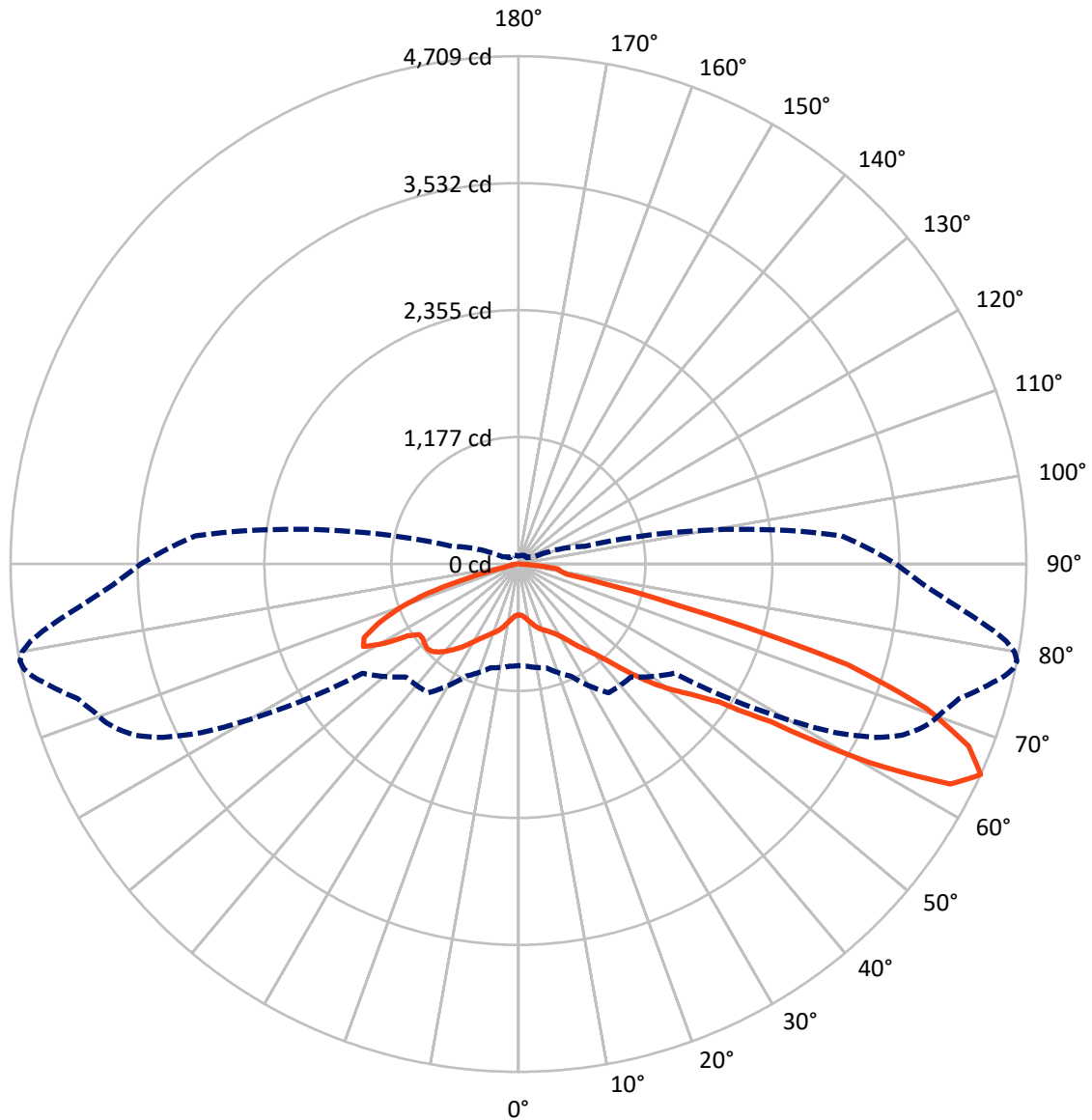
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.2 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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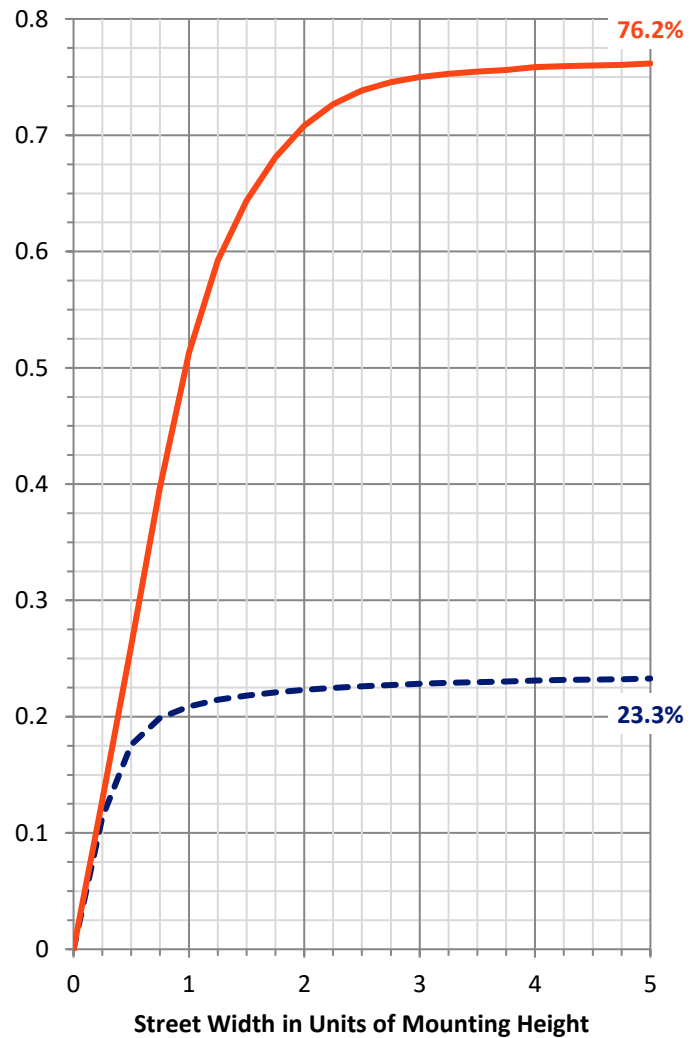
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1073.2	0.0	1073.2
	% Fixture	23.6	0.0	23.6
<b>Street Side</b>	Lumens	3466.7	0.0	3466.7
	% Fixture	76.4	0.0	76.4
<b>Total</b>	Lumens	4540.0	0.0	4540.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	47.0	1.0
10°-20°	153.6	3.4
20°-30°	265.3	5.8
30°-40°	439.2	9.7
40°-50°	744.8	16.4
50°-60°	989.6	21.8
60°-70°	1278.3	28.2
70°-80°	536.1	11.8
80°-90°	86.1	1.9
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°	4540.0	100.0
0°-180°	4540.0	100.0



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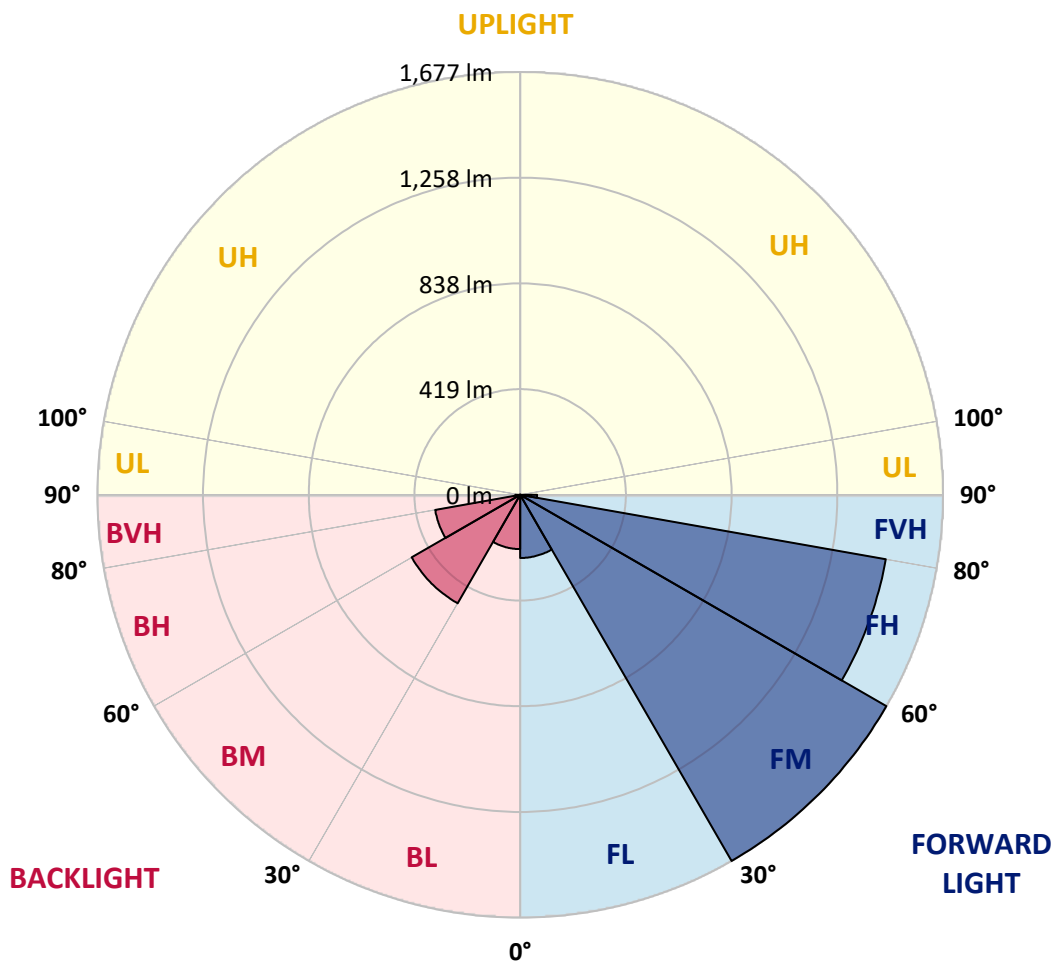
CATALOG NUMBER: ICS-F02-LED-E1-SL2

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	250.5	5.5			
FM	(30°-60°)	1676.7	36.9			
FH	(60°-80°)	1472.1	32.4			G1/1800
FVH	(80°-90°)	67.3	1.5			G1/100
BL	(0°-30°)	215.4	4.7	B1/500		
BM	(30°-60°)	496.8	10.9	B1/1000		
BH	(60°-80°)	342.3	7.5	B1/500		G1/500
BVH	(80°-90°)	18.8	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	472.6	472.6	472.6	472.6	472.6	472.6	472.6	472.6	472.6	472.6	472.6
2.5°	471.1	472.6	471.6	472.6	473.5	474.0	475.0	474.5	474.5	475.0	474.0
5°	471.1	471.1	472.6	475.0	476.0	479.0	482.5	482.0	482.5	482.0	483.0
7.5°	481.0	480.5	482.0	484.9	485.9	490.4	496.3	497.3	498.3	498.3	499.8
10°	498.3	497.8	499.3	500.8	502.3	505.7	514.2	517.6	518.1	518.6	520.6
12.5°	520.1	519.6	517.6	517.6	517.1	523.6	535.0	541.4	542.4	544.4	545.9
15°	535.5	534.0	531.0	529.0	531.5	541.9	558.7	566.2	567.2	568.7	572.6
17.5°	550.3	548.8	542.4	537.4	540.9	557.8	580.5	588.5	590.4	591.9	596.4
20°	571.1	570.1	560.7	548.8	547.8	569.6	597.4	607.8	609.3	611.3	615.7
22.5°	602.8	598.4	587.5	565.2	554.3	576.6	609.3	623.6	625.6	627.6	633.5
25°	642.5	640.5	621.7	587.5	564.7	583.5	622.1	640.0	643.0	645.4	653.4
27.5°	683.6	680.6	660.3	615.7	583.0	597.4	642.5	662.8	666.7	670.7	678.1
30°	720.2	719.2	702.4	653.9	612.7	623.6	675.2	699.9	704.4	709.3	716.3
32.5°	806.4	806.9	789.6	740.0	684.6	671.2	722.2	759.4	761.3	767.3	779.7
35°	971.4	973.3	966.9	927.8	865.4	810.4	815.3	852.0	854.0	858.9	870.8
37.5°	1081.8	1085.8	1105.6	1118.0	1086.3	1061.0	998.1	983.7	985.2	982.3	979.8
40°	1142.8	1148.7	1200.7	1265.1	1299.8	1300.3	1273.0	1209.6	1185.4	1178.4	1148.7
42.5°	1177.4	1187.3	1261.1	1371.1	1470.7	1539.0	1555.9	1485.5	1467.7	1436.0	1379.0
45°	1200.2	1212.1	1299.3	1449.9	1596.5	1712.9	1800.6	1769.4	1757.5	1738.2	1685.6
47.5°	1196.3	1205.7	1296.3	1476.6	1662.4	1827.8	1983.3	2015.5	2001.2	1996.2	1960.6
50°	1123.9	1132.4	1224.5	1410.2	1626.2	1871.4	2099.3	2190.4	2190.4	2199.8	2188.9
52.5°	1046.7	1053.6	1137.3	1304.2	1509.3	1828.8	2163.7	2314.7	2334.5	2350.9	2376.7
55°	1017.4	1025.9	1089.3	1231.9	1409.7	1706.9	2185.4	2407.9	2444.5	2472.3	2530.7
57.5°	1031.3	1039.7	1084.8	1192.8	1351.3	1582.6	2186.4	2533.2	2604.0	2661.0	2779.4
60°	1091.2	1099.2	1136.8	1228.9	1335.9	1510.8	2144.3	2732.8	2845.7	2952.7	3149.9
62.5°	1063.5	1073.4	1128.4	1288.9	1450.4	1456.3	1992.3	2887.3	3069.1	3227.2	3540.7
65°	942.1	952.5	995.6	1145.7	1457.3	1480.1	1766.9	2890.3	3116.2	3329.7	3668.0
67.5°	715.3	719.2	753.4	873.8	1165.5	1506.3	1535.1	2548.0	2763.0	3001.3	3350.5
70°	365.6	372.5	382.4	482.5	750.4	1244.8	1319.1	1877.8	2151.8	2398.0	2817.5
72.5°	126.8	129.3	139.2	184.3	365.6	816.8	1154.6	1286.9	1452.3	1682.7	2168.6
75°	76.3	76.3	79.8	93.1	166.9	425.5	1027.3	1051.1	1073.4	1150.7	1468.7
77.5°	60.4	61.4	61.4	63.9	92.6	218.4	780.2	977.3	980.3	987.7	1041.2
80°	43.1	45.1	49.0	51.0	59.9	119.9	437.9	857.9	916.4	944.6	983.7
82.5°	32.2	34.2	41.6	44.1	46.6	66.9	196.7	591.9	698.4	754.9	892.6
85°	14.4	16.8	28.2	31.2	32.7	35.7	92.1	168.4	193.7	217.5	286.8
87.5°	2.5	2.5	4.5	6.4	9.4	8.9	20.3	28.7	29.2	34.2	38.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	472.6	472.6	472.6	472.6	472.6	472.6	472.6	472.6	472.6	472.6	472.6
2.5°	474.0	474.0	474.0	473.5	474.0	474.0	474.0	474.0	474.5	474.5	474.5
5°	484.4	483.5	483.9	483.9	483.9	483.5	484.4	483.9	484.4	485.9	485.4
7.5°	499.8	500.8	501.3	501.8	501.8	501.8	502.3	503.3	503.3	504.8	504.3
10°	522.6	522.1	522.6	524.1	525.6	526.1	527.5	527.0	528.0	530.0	532.0
12.5°	546.9	547.8	549.3	550.8	553.3	553.8	555.3	555.8	558.7	558.7	560.7
15°	574.1	574.6	577.6	578.1	581.0	582.0	584.5	585.5	589.0	589.5	591.4
17.5°	598.9	599.9	601.3	602.8	606.3	607.8	609.8	611.7	614.7	615.7	619.2
20°	618.7	620.7	621.2	624.1	627.1	629.1	631.1	633.0	636.0	637.5	641.0
22.5°	636.5	638.5	640.0	642.5	644.4	647.4	648.4	651.9	654.8	657.3	660.3
25°	655.8	658.8	660.3	664.7	666.2	669.2	671.7	675.2	679.1	682.1	686.0
27.5°	683.1	687.5	689.5	694.5	697.9	699.4	703.4	708.3	711.8	715.3	719.2
30°	720.7	729.1	730.6	734.1	740.5	741.5	746.5	750.4	755.9	759.4	762.8
32.5°	779.2	789.6	790.6	794.5	800.0	802.0	805.9	810.4	818.8	820.3	825.7
35°	868.8	873.3	877.3	878.7	883.2	885.7	888.6	893.6	902.0	901.0	907.0
37.5°	976.3	977.8	978.3	973.3	974.3	969.9	975.3	976.3	979.3	981.8	987.7
40°	1129.9	1114.5	1112.5	1100.6	1088.8	1082.3	1079.8	1069.9	1072.4	1073.4	1078.4
42.5°	1354.3	1324.5	1299.8	1282.9	1253.7	1239.3	1220.0	1204.7	1192.8	1197.2	1199.2
45°	1638.6	1596.0	1556.4	1504.8	1466.7	1439.5	1405.3	1374.6	1360.7	1354.3	1362.2
47.5°	1922.4	1884.8	1838.2	1785.2	1724.8	1679.7	1622.7	1572.7	1538.0	1525.2	1532.1
50°	2167.6	2132.9	2097.8	2066.6	1996.2	1947.2	1869.4	1804.5	1750.0	1722.3	1714.9
52.5°	2371.2	2352.9	2334.1	2307.8	2251.3	2202.3	2140.4	2076.5	2004.2	1947.7	1928.4
55°	2553.0	2563.9	2554.5	2555.0	2532.7	2501.5	2449.0	2401.4	2350.9	2287.0	2260.2
57.5°	2818.0	2882.4	2895.3	2927.5	2943.3	2960.2	2975.0	2946.8	2933.9	2886.4	2886.9
60°	3235.6	3329.7	3411.4	3485.7	3546.6	3606.1	3668.5	3696.2	3727.0	3741.3	3790.4
62.5°	3679.9	3769.6	3891.4	3991.0	4046.9	4124.2	4192.1	4236.2	4290.2	4347.6	4422.4
65°	3789.9	3897.8	3974.6	4041.0	4096.5	4137.6	4174.7	4227.2	4272.3	4363.5	4451.6
67.5°	3508.0	3594.2	3664.5	3729.9	3773.0	3807.7	3840.9	3875.6	3952.8	4035.6	4124.2
70°	3011.2	3115.2	3231.6	3316.3	3337.6	3367.3	3399.0	3444.1	3482.7	3569.4	3636.8
72.5°	2419.2	2568.8	2667.4	2784.8	2810.1	2855.2	2873.0	2908.2	2915.1	2962.1	2980.0
75°	1686.1	1857.5	1956.6	2042.8	2059.6	2034.9	2044.8	1920.4	1888.7	1863.0	1842.2
77.5°	1113.0	1159.1	1175.0	1161.1	1094.7	1042.7	987.2	932.7	938.7	894.6	817.3
80°	989.7	1000.1	985.7	971.9	933.7	879.2	829.2	778.2	752.9	726.2	686.5
82.5°	962.9	1003.1	1007.5	990.7	960.5	901.0	840.6	764.8	700.4	641.0	580.5
85°	322.0	391.8	423.0	452.2	461.2	471.6	435.9	387.4	328.9	289.8	226.9
87.5°	41.1	51.0	58.9	50.5	58.9	69.3	50.0	56.0	56.5	35.2	26.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	472.6	472.6	472.6	472.6	472.6	472.6	472.6	472.6	472.6	472.6	472.6
2.5°	475.0	474.5	474.5	474.5	474.0	474.5	474.5	474.5	474.5	474.5	474.0
5°	485.9	485.9	487.4	487.9	486.9	486.4	486.9	487.4	487.4	486.9	487.4
7.5°	506.2	506.7	507.7	509.2	508.2	508.7	509.2	508.7	510.2	510.7	510.2
10°	532.0	533.0	535.5	536.0	535.5	537.4	537.9	537.0	537.9	537.9	539.9
12.5°	561.7	562.7	565.7	566.7	567.7	568.2	569.6	570.1	571.6	572.6	574.1
15°	593.9	594.9	596.9	600.4	601.3	602.3	603.3	606.3	606.8	608.8	610.3
17.5°	621.2	622.6	625.6	628.1	629.6	632.1	633.0	636.5	637.5	640.5	643.0
20°	643.0	645.4	647.9	650.9	653.4	656.3	657.3	660.8	662.8	664.3	667.2
22.5°	662.8	665.7	669.2	672.7	674.7	678.6	680.1	681.6	686.0	688.0	691.0
25°	688.5	691.5	695.5	699.9	701.9	706.9	708.3	710.8	715.8	717.8	722.2
27.5°	723.7	727.7	730.6	735.1	737.6	741.0	744.5	747.5	751.9	754.9	759.9
30°	767.8	770.8	775.7	779.2	783.1	788.1	792.1	795.0	797.5	802.0	807.4
32.5°	832.7	833.2	834.7	843.1	847.0	851.0	856.4	858.9	862.9	867.3	873.3
35°	913.4	917.9	921.3	925.3	929.8	934.2	936.2	943.6	947.1	953.0	959.0
37.5°	993.7	994.2	1002.1	1004.6	1008.5	1013.0	1019.9	1027.3	1036.3	1042.2	1051.6
40°	1079.8	1083.8	1093.7	1098.7	1103.6	1114.5	1120.0	1131.9	1146.7	1155.1	1171.0
42.5°	1204.7	1210.6	1228.4	1236.4	1248.3	1266.1	1277.5	1293.8	1299.8	1320.1	1327.5
45°	1368.1	1386.5	1412.2	1429.1	1450.4	1469.7	1479.6	1487.0	1495.9	1511.8	1509.8
47.5°	1545.0	1568.7	1597.5	1632.2	1646.0	1668.8	1681.7	1696.1	1688.1	1684.2	1680.2
50°	1726.3	1754.0	1792.1	1823.4	1844.7	1858.5	1869.4	1867.4	1850.6	1841.7	1816.9
52.5°	1927.9	1944.2	1980.4	2007.1	2020.0	2023.0	2020.5	2005.6	1989.8	1961.6	1932.3
55°	2237.0	2229.5	2243.9	2256.3	2252.3	2266.2	2230.5	2216.7	2177.5	2140.9	2101.7
57.5°	2865.1	2875.0	2794.7	2758.6	2752.1	2765.0	2702.1	2694.2	2599.6	2587.7	2521.8
60°	3783.4	3832.0	3769.1	3733.9	3638.8	3607.6	3537.2	3508.0	3417.4	3344.1	3251.4
62.5°	4473.9	4518.0	4544.3	4494.2	4438.8	4357.0	4250.5	4132.6	4036.5	3924.1	3826.0
65°	4536.3	4625.5	4685.9	4709.2	4670.1	4580.4	4449.2	4300.6	4153.4	4012.3	3888.4
67.5°	4244.6	4324.3	4418.0	4501.7	4506.6	4448.2	4336.2	4185.1	4015.2	3840.9	3695.7
70°	3743.3	3843.4	3925.1	4013.3	4074.7	4041.0	3985.0	3846.3	3670.0	3534.3	3367.3
72.5°	3044.4	3086.5	3106.3	3193.0	3194.0	3132.5	3092.9	3016.1	2874.0	2777.9	2650.6
75°	1777.8	1685.2	1586.6	1500.9	1431.0	1401.8	1272.0	1250.2	1163.1	1109.1	1029.8
77.5°	733.1	650.4	543.9	455.2	367.5	327.9	270.5	245.2	212.5	198.1	188.7
80°	628.6	550.3	470.1	393.3	324.9	256.6	199.6	155.0	121.9	103.5	96.1
82.5°	513.2	466.1	410.1	368.5	315.0	264.0	222.9	172.9	129.3	95.1	72.8
85°	185.3	152.1	122.3	112.4	89.7	73.8	61.9	53.0	43.6	34.7	30.7
87.5°	20.8	19.8	11.4	10.9	12.4	8.9	10.4	9.4	7.9	6.9	7.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: ICS-F02-LED-E1-SL2

**CANDELA DISTRIBUTION (continued):**

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	472.6	472.6	472.6	472.6	472.6	472.6	472.6	472.6	472.6	472.6	472.6
2.5°	474.0	474.0	474.5	474.5	475.0	475.5	476.5	476.0	476.0	476.5	476.5
5°	487.4	488.9	488.4	488.4	488.4	488.9	489.4	487.4	485.4	483.5	482.5
7.5°	510.7	511.7	512.7	511.7	512.7	512.2	511.2	505.7	499.3	491.4	485.9
10°	540.9	540.9	541.9	541.4	543.4	541.9	538.9	526.5	512.7	495.8	483.5
12.5°	573.6	577.1	575.6	576.1	580.0	576.1	569.1	550.8	526.1	498.8	477.0
15°	612.2	613.7	614.7	613.2	615.7	612.2	599.9	570.6	534.5	496.3	464.1
17.5°	643.9	644.4	644.9	645.9	649.4	645.4	624.1	584.5	536.5	484.9	442.3
20°	668.7	671.2	673.2	673.2	678.1	672.2	643.9	591.4	530.0	466.1	414.6
22.5°	694.5	696.5	698.9	699.4	705.9	699.9	660.3	590.0	513.2	439.4	382.4
25°	726.2	728.2	730.1	732.6	741.5	733.1	676.6	584.0	489.9	407.7	347.7
27.5°	762.8	767.3	768.8	772.7	783.1	770.3	690.5	575.1	464.1	371.0	311.1
30°	811.9	817.3	819.3	824.7	839.1	810.9	698.4	559.7	431.4	333.9	271.9
32.5°	877.7	885.2	891.1	897.1	913.4	851.5	699.4	537.4	393.3	292.3	234.3
35°	963.9	975.3	979.8	983.7	999.1	895.6	695.0	504.3	346.7	249.7	204.6
37.5°	1060.5	1071.9	1074.9	1076.9	1079.8	933.2	684.1	453.7	294.2	212.5	180.8
40°	1179.4	1189.3	1193.3	1190.3	1174.5	962.4	659.8	394.8	243.2	187.2	165.9
42.5°	1324.5	1339.4	1340.9	1327.5	1275.0	978.8	611.3	325.4	203.1	168.9	154.5
45°	1504.4	1503.4	1494.9	1485.5	1384.5	972.4	543.4	265.0	177.8	154.5	144.1
47.5°	1665.8	1649.0	1636.1	1608.4	1481.1	934.7	455.7	219.4	162.5	143.6	135.2
50°	1798.1	1767.4	1740.1	1709.9	1552.9	867.8	368.5	186.2	148.1	134.2	126.8
52.5°	1902.6	1865.5	1833.8	1804.0	1622.2	793.5	302.2	162.0	134.2	124.8	117.4
55°	2066.1	2028.9	1978.4	1945.7	1728.2	725.2	259.1	142.7	120.9	114.9	107.5
57.5°	2479.7	2447.0	2386.6	2301.9	2000.7	699.4	234.8	127.8	110.0	106.5	100.6
60°	3201.9	3148.9	3070.1	2983.9	2554.5	716.8	215.5	117.4	102.5	99.6	95.1
62.5°	3746.8	3653.6	3564.5	3484.7	2997.3	716.3	190.2	109.5	97.1	95.6	91.1
65°	3769.1	3674.4	3584.8	3501.1	3007.2	637.5	160.5	102.5	96.1	95.6	88.2
67.5°	3568.9	3466.4	3379.7	3274.2	2783.8	498.3	128.8	98.1	100.1	99.1	87.2
70°	3242.0	3108.3	3036.9	2932.9	2450.0	348.7	106.0	99.6	108.5	105.5	88.7
72.5°	2544.6	2443.5	2335.0	2262.7	1918.0	220.4	89.2	100.6	111.9	107.0	92.6
75°	947.1	974.3	929.8	913.9	974.3	129.3	79.3	93.6	100.1	92.6	84.2
77.5°	191.2	182.8	173.4	171.4	221.4	79.8	72.8	81.2	76.8	67.9	68.4
80°	91.6	89.2	86.2	85.7	82.2	66.4	67.4	69.3	58.0	52.5	56.0
82.5°	60.9	57.5	56.5	54.5	55.5	59.4	63.9	59.4	44.6	41.6	50.5
85°	28.2	27.2	26.7	26.7	29.7	53.5	53.0	43.6	30.7	29.7	50.5
87.5°	6.9	6.9	7.4	6.9	7.9	15.9	13.9	13.4	11.4	12.9	23.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

	165°	175°	180°
0°	472.6	472.6	472.6
2.5°	476.0	476.5	476.0
5°	480.5	480.5	480.5
7.5°	480.5	479.0	478.5
10°	473.5	469.1	469.1
12.5°	461.7	454.2	453.2
15°	439.4	429.5	428.0
17.5°	411.1	397.8	395.3
20°	379.4	362.6	359.6
22.5°	344.8	325.4	324.0
25°	310.6	290.8	286.8
27.5°	272.4	253.1	251.1
30°	234.3	217.5	216.5
32.5°	202.1	191.7	189.7
35°	179.3	173.4	170.9
37.5°	164.5	160.0	159.5
40°	153.1	149.1	148.6
42.5°	143.6	140.2	139.7
45°	134.2	131.3	130.3
47.5°	124.8	121.9	121.4
50°	116.4	112.4	111.9
52.5°	108.5	104.5	103.5
55°	101.0	97.1	97.1
57.5°	94.6	90.6	90.2
60°	88.7	84.7	84.2
62.5°	84.2	79.3	78.8
65°	80.7	75.8	74.8
67.5°	78.8	72.8	71.3
70°	82.2	71.3	68.9
72.5°	82.7	69.8	66.4
75°	79.8	65.9	63.4
77.5°	69.8	58.9	56.5
80°	60.4	45.6	42.1
82.5°	57.5	37.2	32.2
85°	44.6	24.3	22.8
87.5°	25.3	13.4	10.9
90°	0.0	0.0	0.0

(END OF REPORT)