

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: P180541

Luminaire Tested: **ICS-F03-LED-E1-SL2-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180541
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-F03-LED-E1-SL2-8030
Description: ICON SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5747.5 lumens
Efficiency: N/A
Efficacy: 73.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

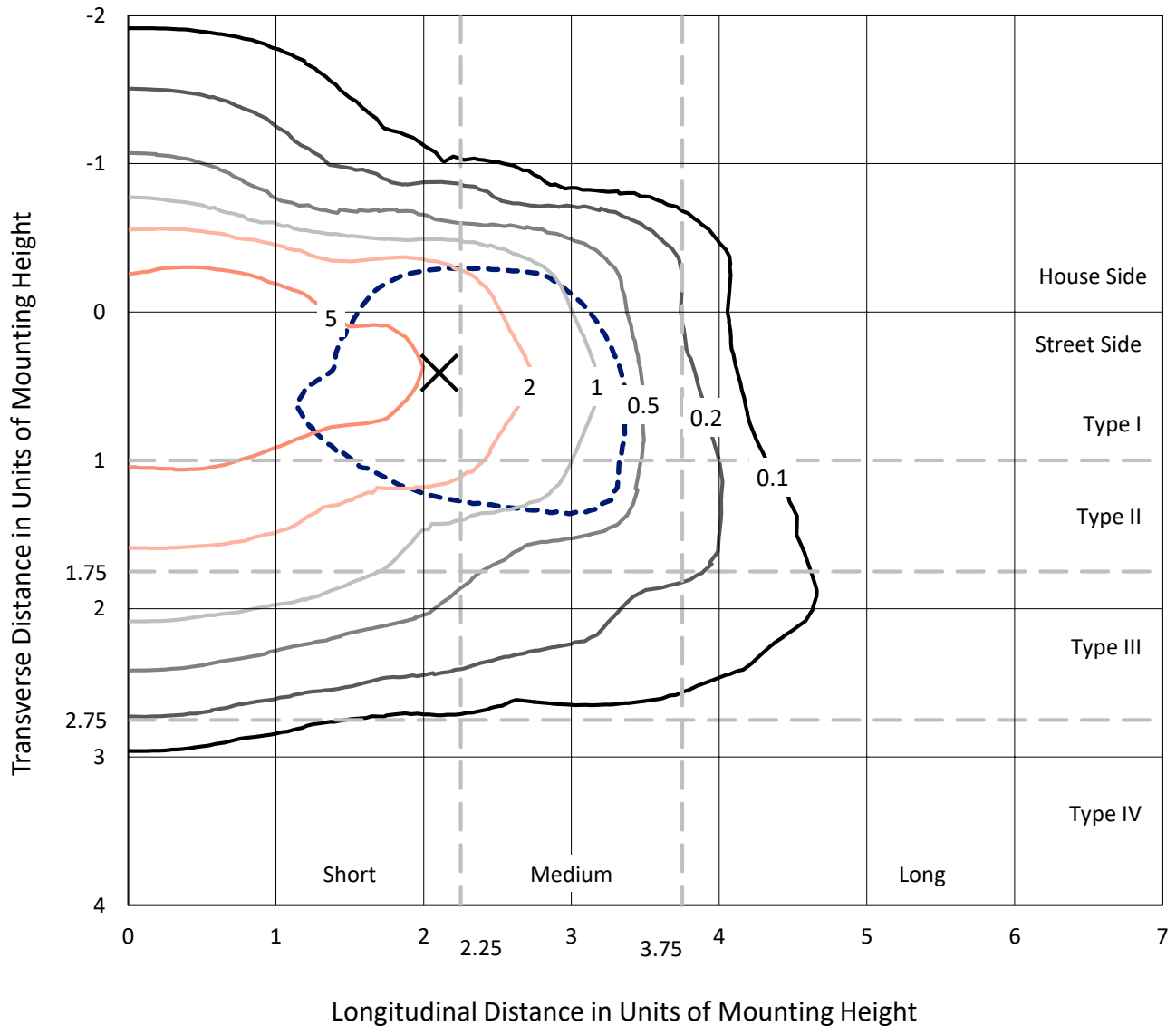
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

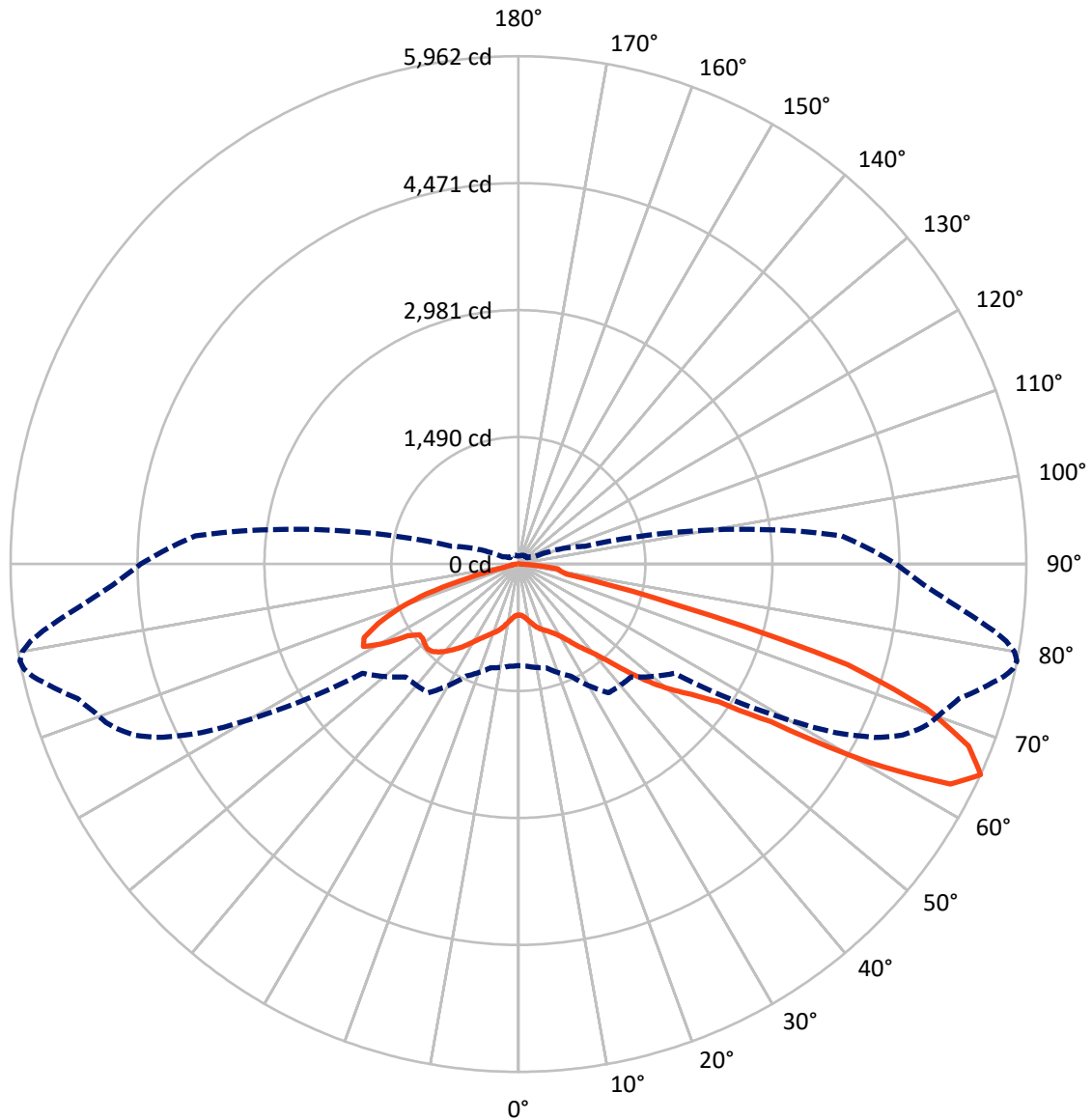


Based on 10 foot mounting height. Maximum calculated value = 7.9 fc
 Type II - Short - Non-Cutoff

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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
House Side	Lumens	1358.7	0.0	1358.7
	% Fixture	23.6	0.0	23.6
Street Side	Lumens	4388.8	0.0	4388.8
	% Fixture	76.4	0.0	76.4
Total	Lumens	5747.5	0.0	5747.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.5	1.0
10°-20°	194.5	3.4
20°-30°	335.9	5.8
30°-40°	556.0	9.7
40°-50°	942.9	16.4
50°-60°	1252.8	21.8
60°-70°	1618.3	28.2
70°-80°	678.7	11.8
80°-90°	109.0	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°	5747.5	100.0
0°-180°	5747.5	100.0



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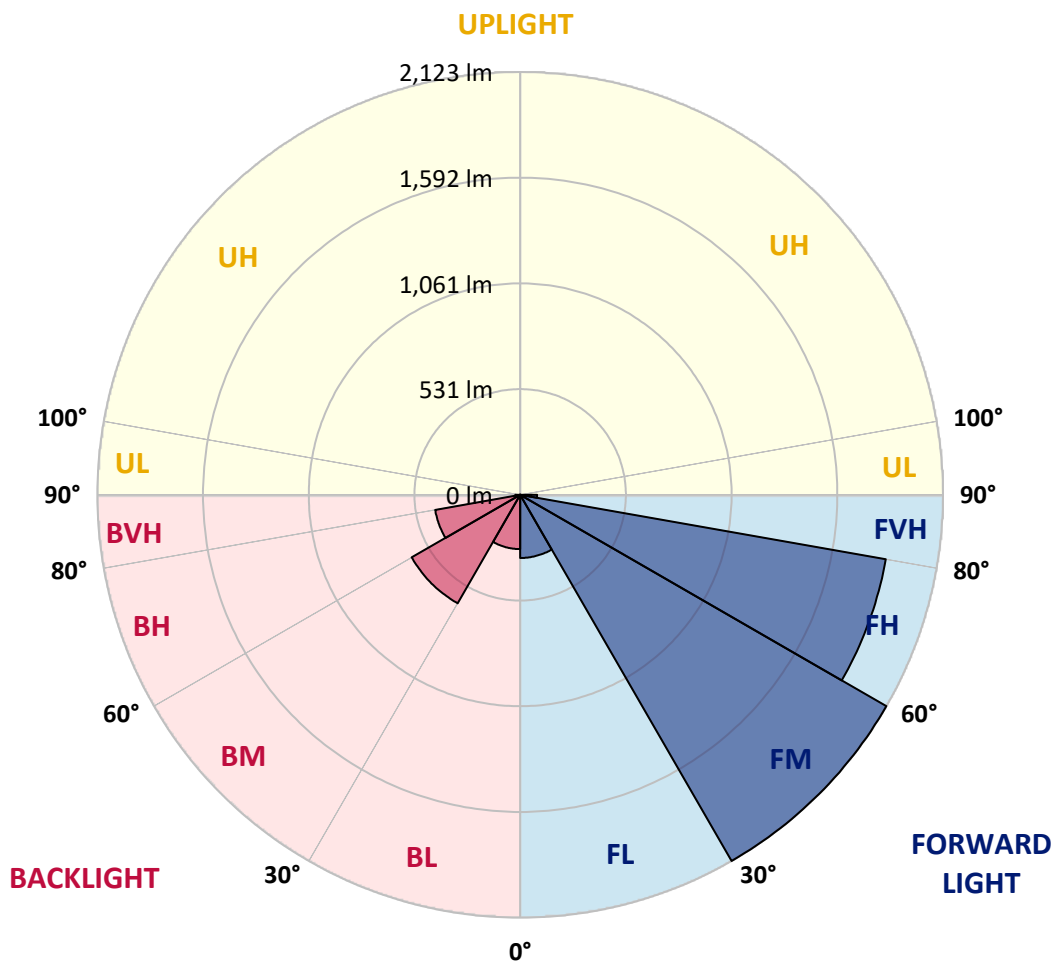
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	317.1	5.5			
FM	(30°-60°)	2122.7	36.9			
FH	(60°-80°)	1863.7	32.4			G2/5000
FVH	(80°-90°)	85.2	1.5			G1/100
BL	(0°-30°)	272.7	4.7	B1/500		
BM	(30°-60°)	628.9	10.9	B1/1000		
BH	(60°-80°)	433.3	7.5	B1/500		G1/500
BVH	(80°-90°)	23.8	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-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	598.2	598.2	598.2	598.2	598.2	598.2	598.2	598.2	598.2	598.2	598.2
2.5°	596.4	598.2	597.0	598.2	599.5	600.1	601.4	600.8	600.8	601.4	600.1
5°	596.4	596.4	598.2	601.4	602.6	606.4	610.8	610.2	610.8	610.2	611.4
7.5°	608.9	608.3	610.2	613.9	615.2	620.8	628.4	629.6	630.9	630.9	632.7
10°	630.9	630.2	632.1	634.0	635.9	640.3	650.9	655.3	655.9	656.6	659.1
12.5°	658.5	657.8	655.3	655.3	654.7	662.8	677.3	685.4	686.7	689.2	691.1
15°	677.9	676.0	672.2	669.7	672.9	686.0	707.4	716.8	718.0	719.9	724.9
17.5°	696.7	694.8	686.7	680.4	684.8	706.1	735.0	745.0	747.5	749.4	755.0
20°	723.0	721.8	709.9	694.8	693.6	721.2	756.3	769.4	771.3	773.8	779.5
22.5°	763.2	757.5	743.7	715.5	701.7	729.9	771.3	789.5	792.0	794.5	802.1
25°	813.3	810.8	787.0	743.7	714.9	738.7	787.6	810.2	814.0	817.1	827.1
27.5°	865.4	861.6	835.9	779.5	738.1	756.3	813.3	839.1	844.1	849.1	858.5
30°	911.8	910.5	889.2	827.8	775.7	789.5	854.7	886.1	891.7	898.0	906.8
32.5°	1020.9	1021.5	999.6	936.9	866.6	849.7	914.3	961.3	963.8	971.4	987.0
35°	1229.7	1232.2	1224.1	1174.6	1095.5	1025.9	1032.2	1078.6	1081.1	1087.4	1102.4
37.5°	1369.6	1374.6	1399.7	1415.4	1375.2	1343.2	1263.6	1245.4	1247.3	1243.5	1240.4
40°	1446.7	1454.2	1520.1	1601.6	1645.5	1646.1	1611.6	1531.4	1500.6	1491.9	1454.2
42.5°	1490.6	1503.1	1596.6	1735.8	1861.8	1948.4	1969.7	1880.7	1858.1	1818.0	1745.8
45°	1519.5	1534.5	1644.9	1835.5	2021.1	2168.5	2279.5	2240.0	2224.9	2200.5	2134.0
47.5°	1514.4	1526.4	1641.1	1869.4	2104.5	2314.0	2510.9	2551.7	2533.5	2527.2	2482.0
50°	1422.9	1433.5	1550.2	1785.3	2058.8	2369.2	2657.6	2773.0	2773.0	2784.9	2771.1
52.5°	1325.1	1333.8	1439.8	1651.1	1910.8	2315.2	2739.2	2930.4	2955.5	2976.2	3008.8
55°	1288.1	1298.7	1379.0	1559.6	1784.7	2161.0	2766.7	3048.3	3094.7	3129.8	3203.8
57.5°	1305.6	1316.3	1373.3	1510.0	1710.7	2003.6	2768.0	3207.0	3296.6	3368.8	3518.6
60°	1381.5	1391.5	1439.2	1555.8	1691.3	1912.6	2714.7	3459.7	3602.7	3738.1	3987.7
62.5°	1346.4	1358.9	1428.5	1631.7	1836.1	1843.7	2522.2	3655.3	3885.5	4085.5	4482.5
65°	1192.7	1205.9	1260.5	1450.5	1844.9	1873.8	2236.9	3659.1	3945.1	4215.3	4643.6
67.5°	905.5	910.5	953.8	1106.2	1475.6	1907.0	1943.4	3225.8	3497.9	3799.6	4241.7
70°	462.8	471.6	484.1	610.8	950.1	1575.9	1670.0	2377.3	2724.1	3035.8	3566.9
72.5°	160.5	163.7	176.2	233.3	462.8	1034.1	1461.8	1629.2	1838.6	2130.2	2745.4
75°	96.6	96.6	101.0	117.9	211.3	538.7	1300.6	1330.7	1358.9	1456.7	1859.3
77.5°	76.5	77.8	77.8	80.9	117.3	276.5	987.7	1237.3	1241.0	1250.4	1318.2
80°	54.6	57.1	62.1	64.6	75.9	151.8	554.4	1086.1	1160.1	1195.9	1245.4
82.5°	40.8	43.3	52.7	55.8	58.9	84.7	249.0	749.4	884.2	955.7	1130.0
85°	18.2	21.3	35.7	39.5	41.4	45.2	116.6	213.2	245.2	275.3	363.1
87.5°	3.1	3.1	5.6	8.2	11.9	11.3	25.7	36.4	37.0	43.3	48.3
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	598.2	598.2	598.2	598.2	598.2	598.2	598.2	598.2	598.2	598.2	598.2
2.5°	600.1	600.1	600.1	599.5	600.1	600.1	600.1	600.1	600.8	600.8	600.8
5°	613.3	612.0	612.7	612.7	612.7	612.0	613.3	612.7	613.3	615.2	614.6
7.5°	632.7	634.0	634.6	635.2	635.2	635.2	635.9	637.1	637.1	639.0	638.4
10°	661.6	661.0	661.6	663.5	665.3	666.0	667.9	667.2	668.5	671.0	673.5
12.5°	692.3	693.6	695.4	697.3	700.5	701.1	703.0	703.6	707.4	707.4	709.9
15°	726.8	727.4	731.2	731.8	735.6	736.8	740.0	741.2	745.6	746.2	748.8
17.5°	758.2	759.4	761.3	763.2	767.6	769.4	772.0	774.5	778.2	779.5	783.9
20°	783.2	785.8	786.4	790.1	793.9	796.4	798.9	801.4	805.2	807.1	811.5
22.5°	805.8	808.3	810.2	813.3	815.9	819.6	820.9	825.3	829.0	832.2	835.9
25°	830.3	834.0	835.9	841.6	843.4	847.2	850.3	854.7	859.7	863.5	868.5
27.5°	864.8	870.4	872.9	879.2	883.6	885.5	890.5	896.7	901.1	905.5	910.5
30°	912.4	923.1	925.0	929.4	937.5	938.8	945.0	950.1	956.9	961.3	965.7
32.5°	986.4	999.6	1000.8	1005.9	1012.8	1015.3	1020.3	1025.9	1036.6	1038.5	1045.4
35°	1099.9	1105.6	1110.6	1112.5	1118.1	1121.2	1125.0	1131.3	1141.9	1140.7	1148.2
37.5°	1236.0	1237.9	1238.5	1232.2	1233.5	1227.9	1234.8	1236.0	1239.8	1242.9	1250.4
40°	1430.4	1411.0	1408.5	1393.4	1378.4	1370.2	1367.1	1354.5	1357.7	1358.9	1365.2
42.5°	1714.5	1676.9	1645.5	1624.2	1587.2	1569.0	1544.5	1525.1	1510.0	1515.7	1518.2
45°	2074.4	2020.5	1970.3	1905.1	1856.8	1822.3	1779.1	1740.2	1722.6	1714.5	1724.5
47.5°	2433.8	2386.1	2327.2	2260.1	2183.5	2126.5	2054.4	1991.0	1947.1	1930.8	1939.6
50°	2744.2	2700.3	2655.8	2616.2	2527.2	2465.1	2366.7	2284.5	2215.5	2180.4	2171.0
52.5°	3001.9	2978.7	2954.9	2921.6	2850.2	2788.1	2709.7	2628.8	2537.2	2465.7	2441.3
55°	3232.1	3245.8	3233.9	3234.6	3206.3	3166.8	3100.4	3040.2	2976.2	2895.3	2861.4
57.5°	3567.5	3649.1	3665.4	3706.1	3726.2	3747.5	3766.3	3730.6	3714.3	3654.1	3654.7
60°	4096.2	4215.3	4318.8	4412.9	4490.0	4565.3	4644.3	4679.4	4718.3	4736.5	4798.5
62.5°	4658.7	4772.2	4926.5	5052.5	5123.4	5221.2	5307.1	5362.9	5431.3	5504.0	5598.7
65°	4797.9	4934.6	5031.8	5115.9	5186.1	5238.1	5285.2	5351.6	5408.7	5524.1	5635.7
67.5°	4441.1	4550.2	4639.3	4722.0	4776.6	4820.5	4862.5	4906.4	5004.2	5109.0	5221.2
70°	3812.1	3943.8	4091.2	4198.4	4225.4	4263.0	4303.1	4360.2	4409.1	4518.9	4604.1
72.5°	3062.7	3252.1	3376.9	3525.5	3557.5	3614.6	3637.2	3681.7	3690.5	3750.0	3772.6
75°	2134.6	2351.6	2477.0	2586.1	2607.5	2576.1	2588.7	2431.3	2391.1	2358.5	2332.2
77.5°	1409.1	1467.4	1487.5	1469.9	1385.9	1320.0	1249.8	1180.8	1188.3	1132.5	1034.7
80°	1252.9	1266.1	1247.9	1230.4	1182.1	1113.1	1049.8	985.2	953.2	919.3	869.2
82.5°	1219.1	1269.9	1275.5	1254.2	1215.9	1140.7	1064.2	968.2	886.7	811.5	735.0
85°	407.6	496.0	535.5	572.5	583.8	597.0	551.8	490.4	416.4	366.9	287.2
87.5°	52.0	64.6	74.6	64.0	74.6	87.8	63.3	70.9	71.5	44.5	33.2
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°	598.2	598.2	598.2	598.2	598.2	598.2	598.2	598.2	598.2	598.2	598.2
2.5°	601.4	600.8	600.8	600.8	600.1	600.8	600.8	600.8	600.8	600.8	600.1
5°	615.2	615.2	617.1	617.7	616.4	615.8	616.4	617.1	617.1	616.4	617.1
7.5°	640.9	641.5	642.8	644.7	643.4	644.0	644.7	644.0	645.9	646.5	645.9
10°	673.5	674.8	677.9	678.5	677.9	680.4	681.0	679.8	681.0	681.0	683.5
12.5°	711.1	712.4	716.1	717.4	718.7	719.3	721.2	721.8	723.7	724.9	726.8
15°	751.9	753.1	755.7	760.0	761.3	762.5	763.8	767.6	768.2	770.7	772.6
17.5°	786.4	788.3	792.0	795.2	797.0	800.2	801.4	805.8	807.1	810.8	814.0
20°	814.0	817.1	820.2	824.0	827.1	830.9	832.2	836.5	839.1	840.9	844.7
22.5°	839.1	842.8	847.2	851.6	854.1	859.1	861.0	862.9	868.5	871.0	874.8
25°	871.7	875.4	880.4	886.1	888.6	894.9	896.7	899.9	906.2	908.7	914.3
27.5°	916.2	921.2	925.0	930.6	933.7	938.1	942.5	946.3	951.9	955.7	962.0
30°	972.0	975.8	982.0	986.4	991.4	997.7	1002.7	1006.5	1009.6	1015.3	1022.2
32.5°	1054.1	1054.8	1056.7	1067.3	1072.3	1077.4	1084.2	1087.4	1092.4	1098.0	1105.6
35°	1156.4	1162.0	1166.4	1171.4	1177.1	1182.7	1185.2	1194.6	1199.0	1206.5	1214.1
37.5°	1258.0	1258.6	1268.6	1271.8	1276.8	1282.4	1291.2	1300.6	1311.9	1319.4	1331.3
40°	1367.1	1372.1	1384.6	1390.9	1397.2	1411.0	1417.9	1432.9	1451.7	1462.4	1482.5
42.5°	1525.1	1532.6	1555.2	1565.2	1580.3	1602.9	1617.3	1638.0	1645.5	1671.2	1680.6
45°	1732.0	1755.2	1787.9	1809.2	1836.1	1860.6	1873.1	1882.5	1893.8	1913.9	1911.4
47.5°	1955.9	1986.0	2022.4	2066.3	2083.8	2112.7	2129.0	2147.2	2137.1	2132.1	2127.1
50°	2185.4	2220.5	2268.8	2308.3	2335.3	2352.9	2366.7	2364.2	2342.8	2331.5	2300.2
52.5°	2440.7	2461.4	2507.1	2541.0	2557.3	2561.1	2557.9	2539.1	2519.0	2483.3	2446.3
55°	2832.0	2822.6	2840.7	2856.4	2851.4	2869.0	2823.8	2806.3	2756.7	2710.3	2660.8
57.5°	3627.1	3639.7	3538.1	3492.3	3484.1	3500.5	3420.8	3410.8	3291.0	3276.0	3192.5
60°	4789.8	4851.2	4771.6	4727.1	4606.6	4567.1	4478.1	4441.1	4326.3	4233.5	4116.3
62.5°	5663.9	5719.7	5753.0	5689.6	5619.4	5515.9	5381.1	5231.9	5110.2	4967.9	4843.7
65°	5742.9	5855.8	5932.3	5961.8	5912.3	5798.8	5632.6	5444.4	5258.2	5079.5	4922.7
67.5°	5373.6	5474.5	5593.1	5699.0	5705.3	5631.3	5489.6	5298.3	5083.2	4862.5	4678.8
70°	4739.0	4865.6	4969.1	5080.7	5158.5	5115.9	5045.0	4869.4	4646.2	4474.3	4263.0
72.5°	3854.1	3907.4	3932.5	4042.3	4043.5	3965.8	3915.6	3818.4	3638.4	3516.8	3355.6
75°	2250.6	2133.4	2008.6	1900.1	1811.7	1774.7	1610.4	1582.8	1472.4	1404.1	1303.7
77.5°	928.1	823.4	688.6	576.3	465.3	415.1	342.4	310.4	269.0	250.8	238.9
80°	795.8	696.7	595.1	497.9	411.4	324.8	252.7	196.3	154.3	131.1	121.7
82.5°	649.7	590.1	519.2	466.6	398.8	334.2	282.2	218.9	163.7	120.4	92.2
85°	234.5	192.5	154.9	142.4	113.5	93.4	78.4	67.1	55.2	43.9	38.9
87.5°	26.3	25.1	14.4	13.8	15.7	11.3	13.2	11.9	10.0	8.8	9.4
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-F03-LED-E1-SL2-8030

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	598.2	598.2	598.2	598.2	598.2	598.2	598.2	598.2	598.2	598.2	598.2
2.5°	600.1	600.1	600.8	600.8	601.4	602.0	603.3	602.6	602.6	603.3	603.3
5°	617.1	618.9	618.3	618.3	618.3	618.9	619.6	617.1	614.6	612.0	610.8
7.5°	646.5	647.8	649.0	647.8	649.0	648.4	647.2	640.3	632.1	622.1	615.2
10°	684.8	684.8	686.0	685.4	687.9	686.0	682.3	666.6	649.0	627.7	612.0
12.5°	726.2	730.6	728.7	729.3	734.3	729.3	720.5	697.3	666.0	631.5	603.9
15°	775.1	777.0	778.2	776.3	779.5	775.1	759.4	722.4	676.6	628.4	587.6
17.5°	815.2	815.9	816.5	817.7	822.1	817.1	790.1	740.0	679.1	613.9	560.0
20°	846.6	849.7	852.2	852.2	858.5	851.0	815.2	748.8	671.0	590.1	524.9
22.5°	879.2	881.7	884.8	885.5	893.6	886.1	835.9	746.9	649.7	556.2	484.1
25°	919.3	921.8	924.3	927.5	938.8	928.1	856.6	739.3	620.2	516.1	440.2
27.5°	965.7	971.4	973.3	978.3	991.4	975.1	874.2	728.1	587.6	469.7	393.8
30°	1027.8	1034.7	1037.2	1044.1	1062.3	1026.6	884.2	708.6	546.2	422.7	344.3
32.5°	1111.2	1120.6	1128.1	1135.7	1156.4	1078.0	885.5	680.4	497.9	370.0	296.6
35°	1220.3	1234.8	1240.4	1245.4	1264.9	1133.8	879.8	638.4	439.0	316.1	259.0
37.5°	1342.6	1357.0	1360.8	1363.3	1367.1	1181.4	866.0	574.4	372.5	269.0	228.9
40°	1493.1	1505.7	1510.7	1506.9	1486.8	1218.4	835.3	499.8	307.9	237.0	210.1
42.5°	1676.9	1695.7	1697.5	1680.6	1614.1	1239.1	773.8	412.0	257.1	213.8	195.7
45°	1904.5	1903.2	1892.6	1880.7	1752.7	1231.0	687.9	335.5	225.1	195.7	182.5
47.5°	2108.9	2087.6	2071.3	2036.2	1875.0	1183.3	576.9	277.8	205.7	181.9	171.2
50°	2276.4	2237.5	2203.0	2164.7	1965.9	1098.7	466.6	235.8	187.5	169.9	160.5
52.5°	2408.7	2361.6	2321.5	2283.9	2053.7	1004.6	382.5	205.1	169.9	158.0	148.6
55°	2615.6	2568.6	2504.6	2463.2	2187.9	918.1	328.0	180.6	153.0	145.5	136.1
57.5°	3139.2	3097.9	3021.3	2914.1	2532.8	885.5	297.2	161.8	139.2	134.8	127.3
60°	4053.5	3986.4	3886.7	3777.6	3233.9	907.4	272.8	148.6	129.8	126.0	120.4
62.5°	4743.4	4625.5	4512.6	4411.6	3794.6	906.8	240.8	138.6	122.9	121.0	115.4
65°	4771.6	4651.8	4538.3	4432.3	3807.1	807.1	203.2	129.8	121.7	121.0	111.6
67.5°	4518.2	4388.4	4278.7	4145.1	3524.3	630.9	163.0	124.2	126.7	125.4	110.4
70°	4104.3	3935.0	3844.7	3713.0	3101.6	441.5	134.2	126.0	137.3	133.6	112.3
72.5°	3221.4	3093.5	2956.1	2864.6	2428.1	279.1	112.9	127.3	141.7	135.5	117.3
75°	1199.0	1233.5	1177.1	1157.0	1233.5	163.7	100.3	118.5	126.7	117.3	106.6
77.5°	242.1	231.4	219.5	217.0	280.3	101.0	92.2	102.8	97.2	85.9	86.5
80°	116.0	112.9	109.1	108.5	104.1	84.0	85.3	87.8	73.4	66.5	70.9
82.5°	77.1	72.7	71.5	69.0	70.2	75.3	80.9	75.3	56.4	52.7	64.0
85°	35.7	34.5	33.9	33.9	37.6	67.7	67.1	55.2	38.9	37.6	64.0
87.5°	8.8	8.8	9.4	8.8	10.0	20.1	17.6	16.9	14.4	16.3	30.1
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):

	165°	175°	180°
0°	598.2	598.2	598.2
2.5°	602.6	603.3	602.6
5°	608.3	608.3	608.3
7.5°	608.3	606.4	605.8
10°	599.5	593.9	593.9
12.5°	584.5	575.0	573.8
15°	556.2	543.7	541.8
17.5°	520.5	503.6	500.4
20°	480.4	459.0	455.3
22.5°	436.5	412.0	410.1
25°	393.2	368.1	363.1
27.5°	344.9	320.4	317.9
30°	296.6	275.3	274.0
32.5°	255.9	242.7	240.2
35°	227.0	219.5	216.3
37.5°	208.2	202.6	201.9
40°	193.8	188.8	188.1
42.5°	181.9	177.5	176.8
45°	169.9	166.2	164.9
47.5°	158.0	154.3	153.6
50°	147.4	142.4	141.7
52.5°	137.3	132.3	131.1
55°	127.9	122.9	122.9
57.5°	119.8	114.8	114.1
60°	112.3	107.2	106.6
62.5°	106.6	100.3	99.7
65°	102.2	95.9	94.7
67.5°	99.7	92.2	90.3
70°	104.1	90.3	87.2
72.5°	104.7	88.4	84.0
75°	101.0	83.4	80.3
77.5°	88.4	74.6	71.5
80°	76.5	57.7	53.3
82.5°	72.7	47.0	40.8
85°	56.4	30.7	28.8
87.5°	32.0	16.9	13.8
90°	0.0	0.0	0.0

(END OF REPORT)