

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: P181314

Luminaire Tested: **ICS-F04-LED-E1-T2**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181314
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33671)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICS-F04-LED-E1-T2
Description: ICON SITE SMALL LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 2
Light Source: (28) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9105.9 lumens
Efficiency: N/A
Efficacy: 89.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.67' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

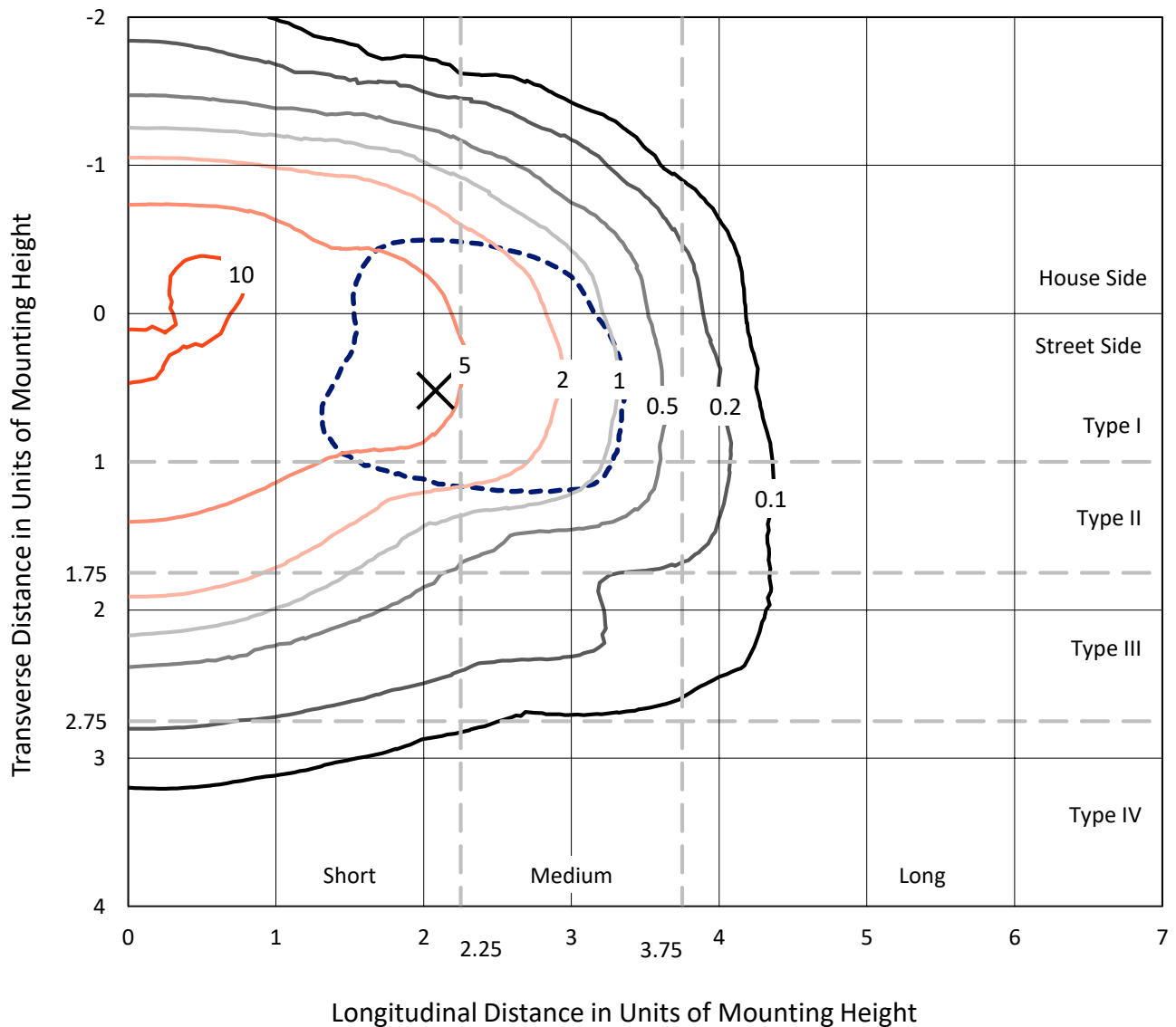
Input Watts (W): 102.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

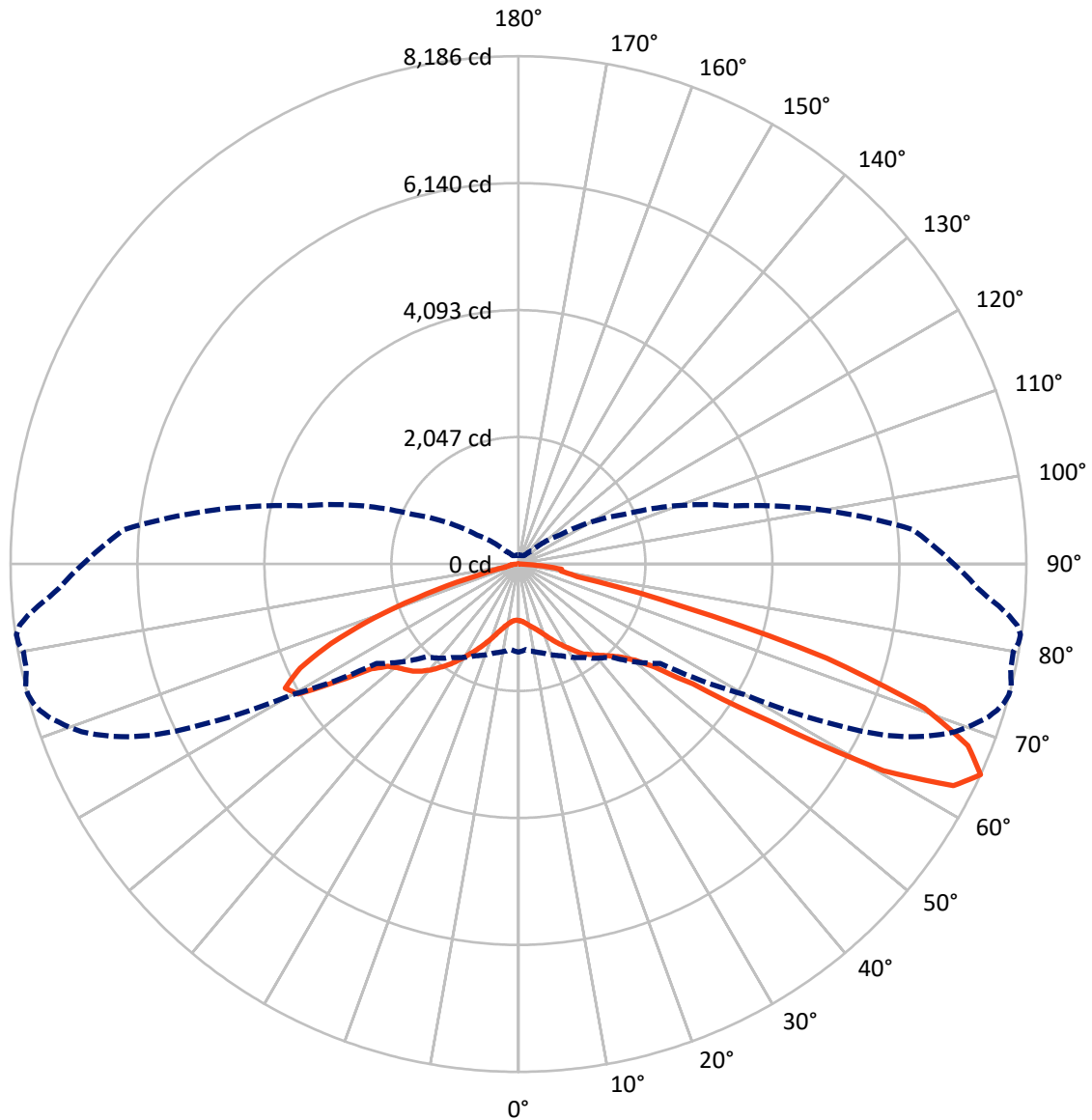
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.1 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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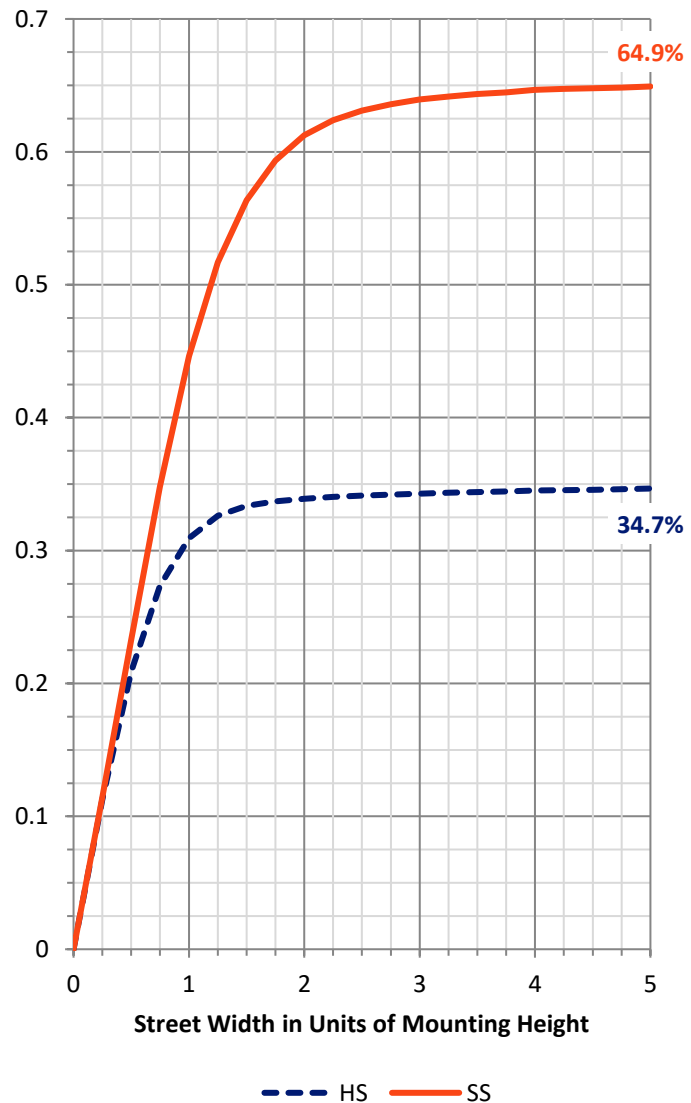
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3188.7	0.0	3188.7
	% Fixture	35.0	0.0	35.0
Street Side	Lumens	5917.3	0.0	5917.3
	% Fixture	65.0	0.0	65.0
Total	Lumens	9105.9	0.0	9105.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.2	1.0
10°-20°	313.1	3.4
20°-30°	615.2	6.8
30°-40°	1022.2	11.2
40°-50°	1502.0	16.5
50°-60°	2079.6	22.8
60°-70°	2482.1	27.3
70°-80°	877.8	9.6
80°-90°	122.6	1.3
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°	9105.9	100.0
0°-180°	9105.9	100.0

Coefficient of Utilization



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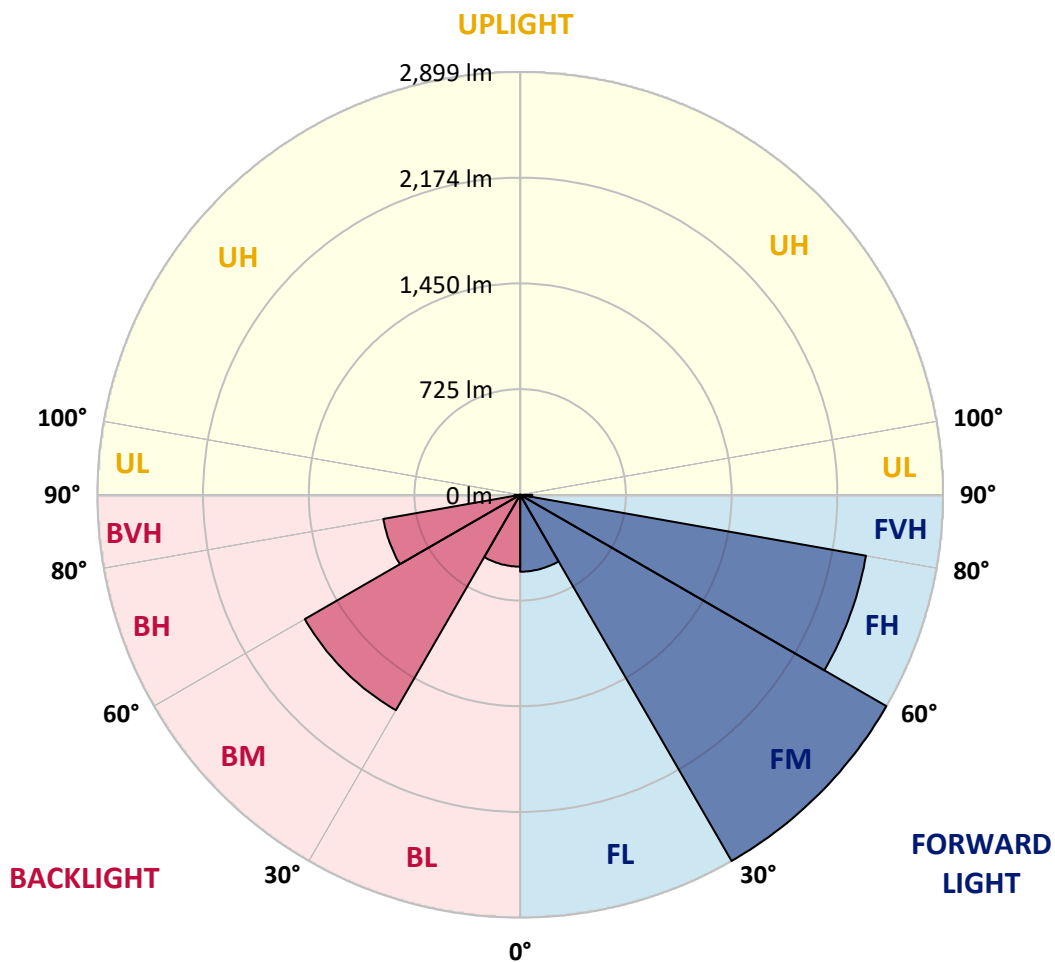
CATALOG NUMBER: ICS-F04-LED-E1-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	526.9	5.8			
FM (30°-60°)	2899.1	31.8			
FH (60°-80°)	2407.5	26.4			G2/5000
FVH (80°-90°)	83.8	0.9			G1/100
BL (0°-30°)	492.6	5.4	B1/500		
BM (30°-60°)	1704.8	18.7	B2/2500		
BH (60°-80°)	952.5	10.5	B2/1000		G2/1000
BVH (80°-90°)	38.8	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	910.4	910.4	910.4	910.4	910.4	910.4	910.4	910.4	910.4	910.4	910.4
2.5°	950.1	951.1	949.1	948.1	945.1	940.2	936.2	932.2	932.2	932.2	929.3
5°	991.7	993.7	989.7	986.7	977.8	972.9	965.9	961.0	959.0	958.0	955.0
7.5°	1044.2	1041.2	1035.3	1033.3	1026.3	1015.5	1002.6	992.7	992.7	991.7	992.7
10°	1096.7	1088.8	1085.8	1082.8	1071.9	1058.1	1043.2	1032.3	1031.3	1030.3	1027.3
12.5°	1149.2	1146.2	1143.2	1132.4	1121.5	1099.7	1082.8	1071.9	1070.9	1071.9	1068.0
15°	1218.5	1211.6	1208.6	1189.8	1166.0	1142.3	1121.5	1111.5	1108.6	1109.6	1106.6
17.5°	1272.0	1272.0	1265.1	1244.3	1213.6	1180.9	1159.1	1153.2	1152.2	1152.2	1153.2
20°	1314.6	1313.6	1306.7	1289.9	1253.2	1220.5	1209.6	1207.6	1206.7	1206.7	1209.6
22.5°	1338.4	1336.4	1333.5	1314.6	1285.9	1264.1	1265.1	1271.0	1273.0	1275.0	1279.0
25°	1350.3	1347.3	1346.3	1333.5	1312.7	1309.7	1327.5	1343.4	1347.3	1351.3	1356.2
27.5°	1370.1	1365.2	1367.1	1362.2	1357.2	1366.2	1402.8	1419.6	1422.6	1427.6	1430.5
30°	1424.6	1422.6	1430.5	1432.5	1436.5	1449.4	1483.1	1498.9	1505.8	1505.8	1519.7
32.5°	1528.6	1529.6	1531.6	1552.4	1559.3	1568.3	1586.1	1599.0	1600.0	1600.9	1613.8
35°	1668.3	1674.3	1691.1	1708.9	1725.8	1724.8	1713.9	1720.8	1715.9	1721.8	1722.8
37.5°	1844.7	1836.7	1861.5	1902.1	1927.9	1920.9	1872.4	1840.7	1849.6	1845.6	1842.7
40°	1980.4	1989.3	2036.8	2090.3	2110.2	2132.0	2068.5	2014.1	2006.1	1991.3	1982.4
42.5°	2167.6	2168.6	2207.2	2246.9	2304.3	2351.9	2311.3	2233.0	2209.2	2191.4	2152.8
45°	2341.0	2338.0	2369.7	2418.3	2486.6	2555.0	2569.8	2484.6	2475.7	2444.0	2393.5
47.5°	2456.9	2452.9	2474.7	2538.1	2649.1	2761.0	2822.5	2796.7	2779.9	2767.0	2687.7
50°	2535.2	2527.2	2552.0	2619.4	2743.2	2915.6	3076.1	3097.9	3090.9	3090.9	3040.4
52.5°	2593.6	2593.6	2611.4	2665.9	2791.7	3006.7	3294.0	3404.0	3412.9	3422.8	3419.8
55°	2560.9	2565.9	2610.5	2689.7	2822.5	3070.1	3474.3	3715.1	3764.6	3806.2	3853.8
57.5°	2449.0	2465.8	2525.3	2655.0	2830.4	3117.7	3674.4	4151.0	4290.7	4411.5	4599.7
60°	2285.5	2307.3	2393.5	2558.9	2771.9	3040.4	3744.8	4519.5	4741.4	5004.9	5496.3
62.5°	2005.1	2026.9	2111.1	2276.6	2458.9	2744.2	3453.5	4574.0	4928.7	5302.1	6045.2
65°	1420.6	1386.0	1483.1	1631.7	1840.7	2117.1	2790.8	4208.4	4718.6	5224.9	6142.2
67.5°	791.6	788.6	848.0	959.0	1159.1	1456.3	1922.9	3227.6	3697.2	4270.8	5397.2
70°	545.9	551.8	589.5	709.3	874.8	1131.4	1370.1	2026.9	2364.8	2754.1	3861.7
72.5°	383.4	396.3	417.1	488.4	657.8	953.0	1399.8	1211.6	1380.0	1645.5	2322.2
75°	224.9	233.8	248.7	283.3	374.5	637.0	1449.4	1065.0	1065.0	1127.4	1404.8
77.5°	138.7	138.7	147.6	161.5	199.1	312.1	1032.3	1196.7	1163.1	1127.4	1130.4
80°	71.3	76.3	89.2	96.1	111.0	142.7	463.6	1116.5	1224.5	1296.8	1246.3
82.5°	32.7	36.7	54.5	58.5	64.4	75.3	159.5	635.0	851.0	1120.5	1399.8
85°	16.8	16.8	28.7	35.7	38.6	34.7	58.5	256.6	388.3	592.4	927.3
87.5°	3.0	3.0	5.0	5.9	8.9	7.9	9.9	14.9	24.8	26.7	27.7
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°	910.4	910.4	910.4	910.4	910.4	910.4	910.4	910.4	910.4	910.4	910.4
2.5°	928.3	929.3	928.3	927.3	925.3	925.3	925.3	924.3	924.3	924.3	923.3
5°	955.0	951.1	952.0	950.1	949.1	948.1	949.1	947.1	945.1	946.1	945.1
7.5°	988.7	986.7	982.8	982.8	981.8	979.8	979.8	976.8	975.8	973.8	972.9
10°	1026.3	1021.4	1023.4	1021.4	1022.4	1018.4	1016.4	1014.5	1012.5	1012.5	1013.5
12.5°	1065.0	1064.0	1061.0	1059.0	1059.0	1056.1	1057.1	1056.1	1053.1	1052.1	1049.1
15°	1104.6	1104.6	1101.6	1102.6	1101.6	1099.7	1097.7	1097.7	1095.7	1093.7	1094.7
17.5°	1151.2	1151.2	1151.2	1151.2	1152.2	1149.2	1150.2	1148.2	1146.2	1150.2	1150.2
20°	1211.6	1215.6	1215.6	1214.6	1219.5	1216.6	1215.6	1220.5	1215.6	1222.5	1221.5
22.5°	1281.0	1284.9	1284.9	1288.9	1289.9	1292.8	1294.8	1292.8	1296.8	1300.8	1300.8
25°	1358.2	1362.2	1365.2	1371.1	1374.1	1372.1	1373.1	1378.0	1380.0	1384.0	1387.9
27.5°	1439.5	1440.5	1444.4	1451.4	1456.3	1458.3	1459.3	1467.2	1468.2	1470.2	1474.1
30°	1518.7	1528.6	1526.6	1535.6	1538.5	1541.5	1547.4	1550.4	1557.4	1561.3	1561.3
32.5°	1611.8	1609.9	1617.8	1624.7	1629.7	1634.6	1639.6	1643.5	1647.5	1649.5	1659.4
35°	1727.8	1731.7	1731.7	1732.7	1744.6	1745.6	1749.5	1758.5	1761.4	1767.4	1771.3
37.5°	1842.7	1835.7	1834.7	1834.7	1830.8	1833.8	1834.7	1835.7	1839.7	1840.7	1844.7
40°	1971.5	1962.5	1954.6	1949.7	1941.7	1930.8	1928.9	1923.9	1926.9	1925.9	1926.9
42.5°	2147.8	2123.0	2104.2	2090.3	2074.5	2062.6	2053.7	2040.8	2031.9	2021.0	2019.0
45°	2372.7	2326.1	2294.4	2271.6	2248.9	2216.2	2197.3	2177.5	2159.7	2141.9	2127.0
47.5°	2667.9	2618.4	2567.9	2526.2	2490.6	2438.1	2384.6	2354.9	2320.2	2289.5	2267.7
50°	3015.6	2956.2	2932.4	2874.0	2829.4	2750.1	2683.8	2635.2	2565.9	2519.3	2478.7
52.5°	3371.3	3356.4	3343.6	3294.0	3241.5	3195.9	3137.5	3052.3	2982.0	2928.5	2845.2
55°	3855.7	3862.7	3857.7	3831.0	3812.2	3768.6	3744.8	3670.5	3638.8	3561.5	3474.3
57.5°	4671.1	4726.6	4796.9	4824.6	4862.3	4826.6	4868.2	4918.7	4792.9	4836.5	4758.3
60°	5712.3	5966.9	6118.5	6304.7	6426.6	6597.0	6627.7	6672.3	6659.4	6684.1	6734.7
62.5°	6348.3	6650.5	6940.7	7151.7	7377.6	7502.4	7653.0	7758.0	7867.0	7940.3	7919.5
65°	6535.5	6846.6	7110.1	7341.0	7543.1	7695.6	7835.3	7967.1	8067.1	8137.5	8179.1
67.5°	5848.0	6254.2	6531.6	6802.0	7062.6	7223.1	7340.0	7467.8	7614.4	7736.2	7760.0
70°	4400.6	5009.9	5403.2	5727.1	6033.3	6249.2	6412.7	6531.6	6645.5	6732.7	6827.8
72.5°	2752.1	3285.1	3734.9	4154.9	4479.9	4777.1	4914.8	5178.3	5143.6	5210.0	5281.3
75°	1649.5	1909.0	2156.7	2452.9	2623.3	2871.0	2915.6	2959.2	2936.4	2862.1	2917.6
77.5°	1146.2	1188.8	1186.8	1170.0	1152.2	1108.6	1052.1	1021.4	1000.6	970.9	982.8
80°	1153.2	1061.0	920.3	773.7	639.0	549.8	514.2	514.2	550.8	603.3	655.8
82.5°	1378.0	1280.0	1141.3	955.0	756.9	616.2	522.1	484.4	491.4	544.9	612.2
85°	929.3	951.1	834.2	762.8	604.3	470.6	394.3	320.0	283.3	292.3	330.9
87.5°	33.7	40.6	14.9	19.8	13.9	11.9	11.9	12.9	8.9	10.9	9.9
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°	910.4	910.4	910.4	910.4	910.4	910.4	910.4	910.4	910.4	910.4	910.4
2.5°	922.3	921.3	921.3	919.4	919.4	918.4	918.4	917.4	916.4	916.4	915.4
5°	944.1	943.1	941.1	940.2	938.2	938.2	937.2	935.2	935.2	933.2	932.2
7.5°	974.8	972.9	970.9	969.9	968.9	965.9	965.9	963.9	963.9	962.0	961.0
10°	1011.5	1009.5	1007.5	1008.5	1005.5	1004.6	1002.6	1002.6	999.6	998.6	998.6
12.5°	1051.1	1050.1	1050.1	1047.2	1046.2	1045.2	1041.2	1041.2	1041.2	1039.2	1040.2
15°	1093.7	1094.7	1091.7	1094.7	1093.7	1090.7	1090.7	1090.7	1086.8	1091.7	1087.8
17.5°	1151.2	1154.1	1152.2	1153.2	1151.2	1151.2	1152.2	1151.2	1153.2	1153.2	1159.1
20°	1222.5	1223.5	1228.4	1226.5	1226.5	1225.5	1227.5	1228.4	1232.4	1230.4	1234.4
22.5°	1300.8	1305.7	1306.7	1310.7	1310.7	1309.7	1311.7	1315.6	1317.6	1320.6	1319.6
25°	1389.9	1392.9	1396.9	1391.9	1399.8	1399.8	1401.8	1406.8	1407.8	1407.8	1414.7
27.5°	1473.1	1481.1	1482.1	1487.0	1484.0	1486.0	1493.0	1495.9	1499.9	1499.9	1501.9
30°	1567.3	1570.2	1572.2	1578.2	1577.2	1578.2	1579.1	1584.1	1584.1	1589.1	1594.0
32.5°	1664.3	1666.3	1668.3	1674.3	1676.2	1680.2	1678.2	1682.2	1687.1	1688.1	1691.1
35°	1780.3	1782.2	1784.2	1793.1	1794.1	1801.1	1803.0	1801.1	1809.0	1804.0	1809.0
37.5°	1847.6	1856.5	1858.5	1864.5	1862.5	1867.4	1870.4	1874.4	1876.4	1880.3	1888.2
40°	1929.9	1932.8	1938.8	1941.7	1945.7	1946.7	1950.7	1953.6	1956.6	1965.5	1974.4
42.5°	2014.1	2018.0	2021.0	2025.0	2029.9	2033.9	2036.8	2045.8	2047.7	2053.7	2070.5
45°	2116.1	2114.1	2115.1	2116.1	2118.1	2123.0	2132.0	2140.9	2146.8	2160.7	2174.6
47.5°	2242.9	2230.0	2225.1	2217.2	2219.1	2230.0	2232.0	2246.9	2258.8	2271.6	2288.5
50°	2435.1	2400.4	2379.6	2358.8	2356.8	2362.8	2370.7	2386.6	2400.4	2417.3	2441.0
52.5°	2758.1	2691.7	2650.1	2592.6	2576.8	2573.8	2567.9	2576.8	2580.7	2603.5	2648.1
55°	3411.9	3289.1	3209.8	3120.7	3037.4	3012.7	2965.1	2975.0	2965.1	2979.0	3045.4
57.5°	4777.1	4679.0	4601.7	4487.8	4345.1	4193.6	4155.9	4000.4	4031.1	4120.3	4062.8
60°	6759.4	6723.8	6668.3	6613.8	6418.6	6308.7	6129.4	6109.5	5983.7	5984.7	5902.5
62.5°	7869.0	7914.6	7880.9	7865.0	7854.1	7819.5	7730.3	7623.3	7462.8	7346.9	7176.5
65°	8186.0	8147.4	8110.7	8105.8	8102.8	8159.3	8172.2	8096.9	7951.2	7770.9	7574.8
67.5°	7816.5	7794.7	7796.7	7755.1	7780.8	7878.9	7947.3	7926.5	7792.7	7574.8	7325.1
70°	6936.8	6894.2	6937.8	6992.2	7030.9	7087.4	7155.7	7172.6	7050.7	6826.8	6572.2
72.5°	5194.2	5201.1	5242.7	5257.6	5413.1	5397.2	5458.7	5258.5	5170.4	4957.4	4826.6
75°	2733.3	2688.7	2804.6	2558.9	2457.9	2528.2	2331.1	2141.9	2181.5	2214.2	1978.4
77.5°	965.9	903.5	797.5	754.9	628.1	532.0	434.9	392.3	369.5	357.6	342.8
80°	693.5	713.3	691.5	640.0	543.9	435.9	343.8	271.4	232.8	212.0	198.1
82.5°	701.4	779.7	814.3	799.5	712.3	538.9	355.7	226.9	168.4	140.7	130.8
85°	376.5	412.1	396.3	333.9	300.2	179.3	122.8	82.2	69.3	63.4	58.5
87.5°	14.9	11.9	9.9	9.9	10.9	11.9	9.9	10.9	9.9	9.9	9.9
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):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	910.4	910.4	910.4	910.4	910.4	910.4	910.4	910.4	910.4	910.4	910.4
2.5°	913.4	913.4	913.4	912.4	910.4	905.5	900.5	896.6	893.6	890.6	886.7
5°	931.2	929.3	929.3	929.3	921.3	913.4	906.5	899.5	893.6	888.6	884.7
7.5°	961.0	960.0	956.0	955.0	949.1	936.2	928.3	916.4	909.4	902.5	900.5
10°	996.6	995.6	994.6	993.7	985.7	972.9	962.9	952.0	942.1	932.2	922.3
12.5°	1038.2	1037.2	1036.3	1033.3	1030.3	1023.4	1012.5	1000.6	988.7	967.9	957.0
15°	1089.8	1091.7	1089.8	1088.8	1086.8	1087.8	1080.8	1064.0	1045.2	1018.4	995.6
17.5°	1158.1	1156.1	1155.1	1159.1	1158.1	1163.1	1161.1	1139.3	1110.6	1068.0	1028.3
20°	1233.4	1233.4	1237.4	1240.3	1249.3	1262.1	1256.2	1229.4	1176.9	1117.5	1066.0
22.5°	1323.6	1325.5	1329.5	1327.5	1341.4	1362.2	1364.2	1326.5	1258.2	1175.9	1103.6
25°	1417.7	1419.6	1415.7	1421.6	1444.4	1474.1	1480.1	1426.6	1336.4	1229.4	1135.3
27.5°	1506.8	1508.8	1508.8	1516.7	1538.5	1589.1	1595.0	1535.6	1415.7	1276.0	1158.1
30°	1594.0	1601.9	1603.9	1605.9	1638.6	1708.9	1721.8	1635.6	1485.0	1310.7	1174.0
32.5°	1704.0	1706.9	1710.9	1715.9	1753.5	1839.7	1839.7	1721.8	1529.6	1332.5	1176.9
35°	1821.9	1822.9	1831.8	1832.8	1886.3	1972.5	1955.6	1793.1	1561.3	1327.5	1155.1
37.5°	1893.2	1897.2	1906.1	1918.0	1974.4	2096.3	2057.7	1854.6	1567.3	1294.8	1105.6
40°	1981.4	1989.3	1998.2	2010.1	2094.3	2222.1	2143.8	1893.2	1542.5	1230.4	1031.3
42.5°	2076.5	2087.4	2101.2	2123.0	2223.1	2333.1	2209.2	1899.1	1486.0	1158.1	943.1
45°	2183.5	2203.3	2219.1	2244.9	2357.8	2429.2	2248.9	1864.5	1414.7	1063.0	849.0
47.5°	2307.3	2323.2	2350.9	2378.6	2491.6	2494.5	2252.8	1797.1	1317.6	967.9	749.0
50°	2459.9	2469.8	2511.4	2528.2	2634.2	2562.9	2224.1	1706.0	1215.6	860.9	638.0
52.5°	2663.0	2676.8	2730.3	2756.1	2831.4	2656.0	2183.5	1606.9	1098.7	741.0	524.1
55°	3064.2	3124.6	3162.3	3206.8	3255.4	2867.0	2165.6	1500.9	966.9	602.3	415.1
57.5°	4190.6	4170.8	4254.0	4355.0	4354.1	3349.5	2272.6	1409.7	811.4	460.7	319.0
60°	5868.8	5887.6	5845.0	5905.5	5713.3	3947.9	2419.2	1313.6	636.0	342.8	243.7
62.5°	7116.1	7007.1	6946.7	6875.3	6452.3	4013.3	2312.3	1116.5	462.6	240.7	187.2
65°	7411.3	7283.5	7153.7	7018.0	6380.0	3618.0	1897.2	819.3	299.2	165.4	148.6
67.5°	7120.0	6915.0	6749.5	6609.8	5846.0	2998.8	1387.0	503.3	171.4	133.7	126.8
70°	6365.1	6138.3	5870.8	5714.3	4922.7	2210.2	888.6	271.4	131.8	118.9	115.9
72.5°	4659.2	4472.9	4180.7	4001.4	3534.8	1343.4	496.3	152.6	122.8	113.9	110.0
75°	1814.9	1717.8	1596.0	1605.9	1433.5	594.4	224.9	131.8	119.9	111.9	108.0
77.5°	312.1	304.1	281.4	281.4	320.0	217.0	149.6	132.8	118.9	110.0	103.0
80°	187.2	183.3	174.4	172.4	166.4	152.6	143.6	134.7	116.9	104.0	95.1
82.5°	122.8	117.9	114.9	113.9	123.8	133.7	134.7	133.7	111.0	90.2	77.3
85°	52.5	52.5	52.5	53.5	71.3	108.0	111.0	118.9	91.1	70.3	55.5
87.5°	8.9	10.9	10.9	11.9	12.9	23.8	29.7	38.6	30.7	29.7	26.7
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-F04-LED-E1-T2

CANDELA DISTRIBUTION (continued):

	165°	175°	180°
0°	910.4	910.4	910.4
2.5°	885.7	883.7	883.7
5°	882.7	880.7	881.7
7.5°	894.6	890.6	891.6
10°	916.4	912.4	910.4
12.5°	944.1	939.2	939.2
15°	972.9	961.0	960.0
17.5°	996.6	981.8	979.8
20°	1023.4	1003.6	1000.6
22.5°	1048.1	1021.4	1017.4
25°	1066.0	1033.3	1028.3
27.5°	1073.9	1035.3	1031.3
30°	1079.8	1036.3	1030.3
32.5°	1073.9	1027.3	1022.4
35°	1041.2	990.7	987.7
37.5°	984.7	928.3	924.3
40°	910.4	851.0	841.1
42.5°	815.3	759.9	749.0
45°	723.2	659.8	654.8
47.5°	624.1	563.7	566.7
50°	520.1	465.6	464.6
52.5°	421.0	373.5	370.5
55°	331.9	298.2	295.2
57.5°	262.5	244.7	241.7
60°	214.0	205.1	202.1
62.5°	172.4	169.4	168.4
65°	143.6	143.6	143.6
67.5°	124.8	125.8	125.8
70°	114.9	115.9	114.9
72.5°	111.0	113.9	113.9
75°	108.0	110.0	106.0
77.5°	106.0	107.0	100.1
80°	105.0	104.0	91.1
82.5°	91.1	88.2	77.3
85°	83.2	63.4	53.5
87.5°	42.6	29.7	22.8
90°	0.0	0.0	0.0

(END OF REPORT)