

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: P181053

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

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P181053  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33681)  
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-SLL  
Description: ICON SITE SMALL LED LUMINAIRE  
(4) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT  
Light Source: (28) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

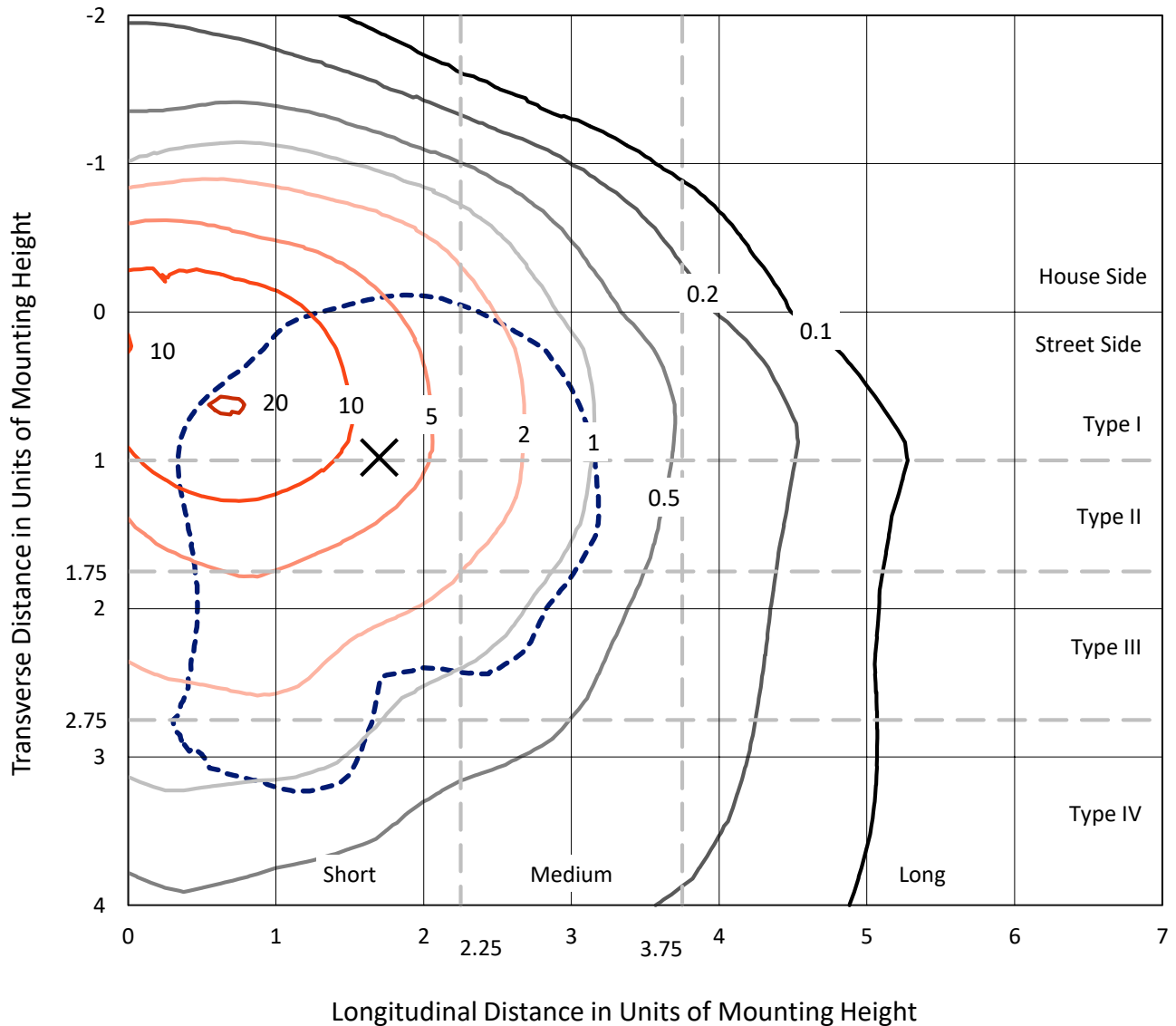
Lumens per Lamp: N/A  
Luminaire Lumens: 8269.6 lumens  
Efficiency: N/A  
Efficacy: 80.9 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.67' x L: 1' x H: 0.1')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G3  
  
Input Watts (W): 102.2  
Input Voltage (V): NR  
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

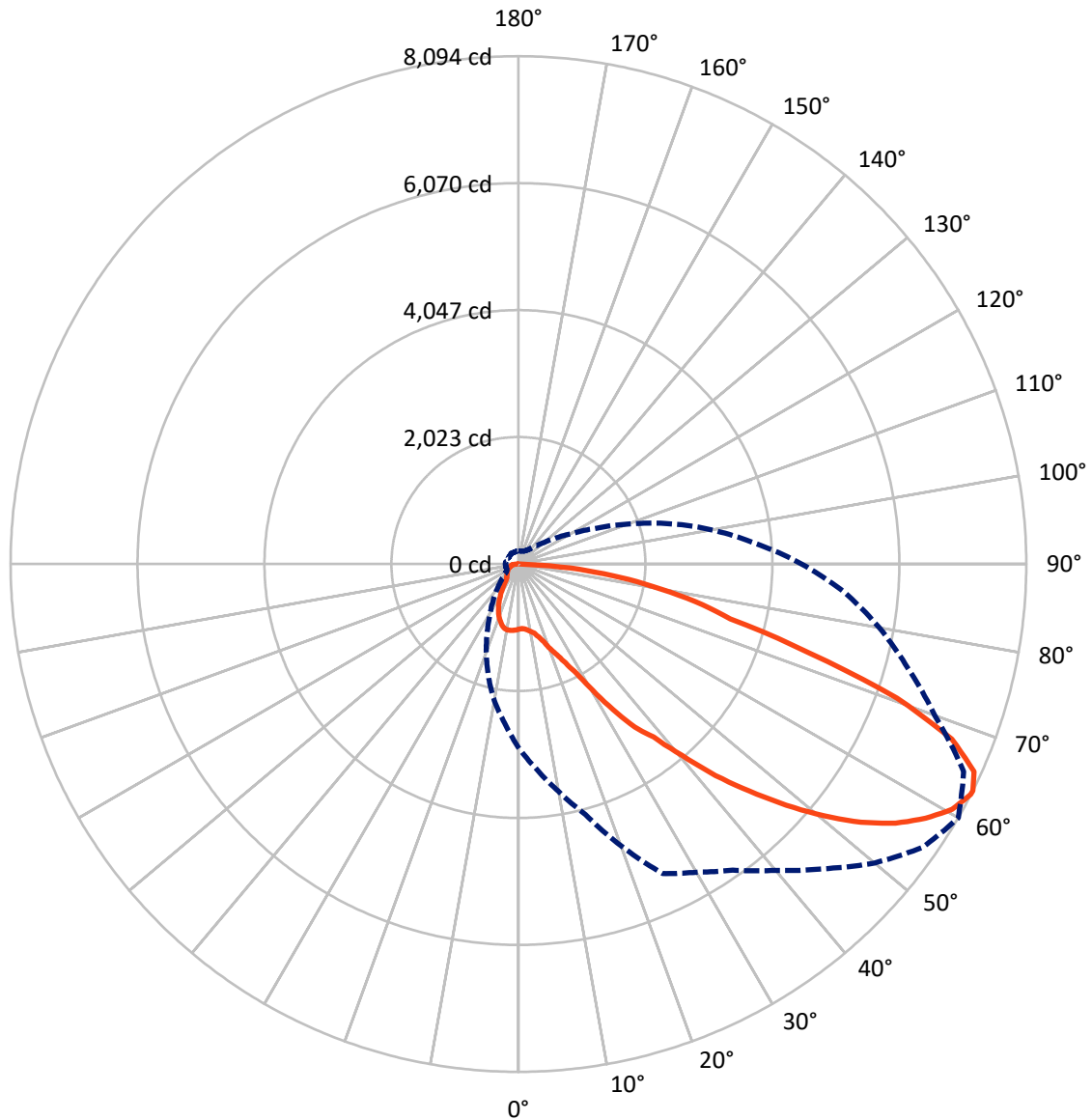
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20.5 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral      - - - Horizontal Cone Through 63-Deg Vertical

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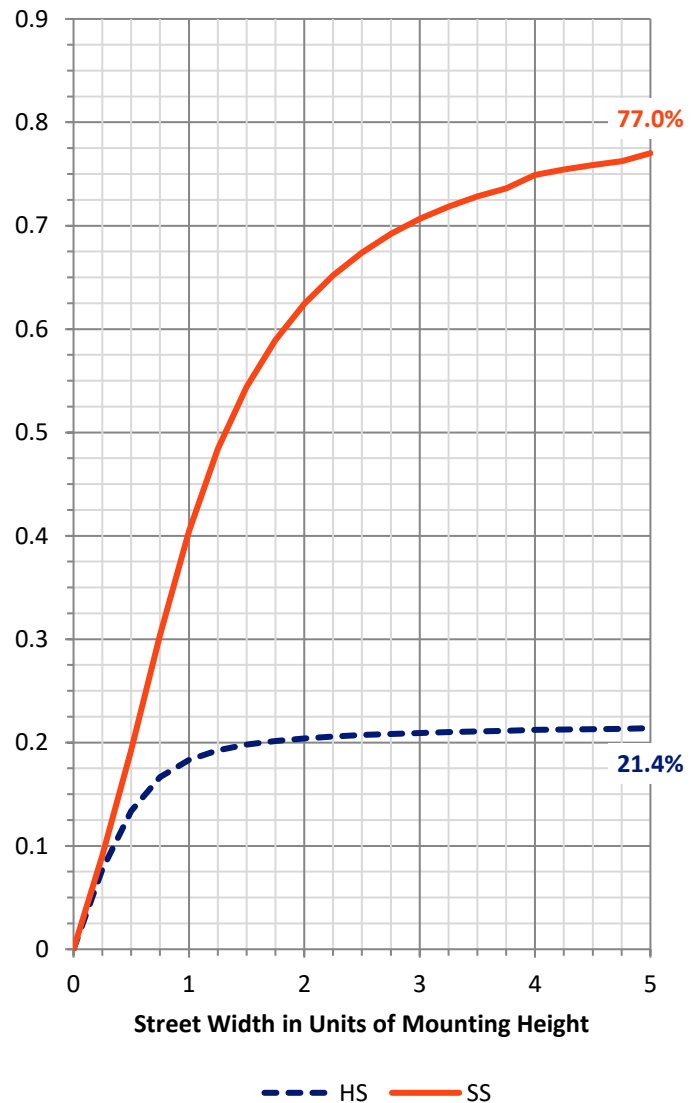
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1793.2	0.0	1793.2
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	6476.4	0.0	6476.4
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	8269.6	0.0	8269.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.2	1.2
10°-20°	315.1	3.8
20°-30°	559.7	6.8
30°-40°	881.4	10.7
40°-50°	1297.2	15.7
50°-60°	1723.0	20.8
60°-70°	1897.9	23.0
70°-80°	1190.8	14.4
80°-90°	303.3	3.7
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°	8269.6	100.0
0°-180°	8269.6	100.0



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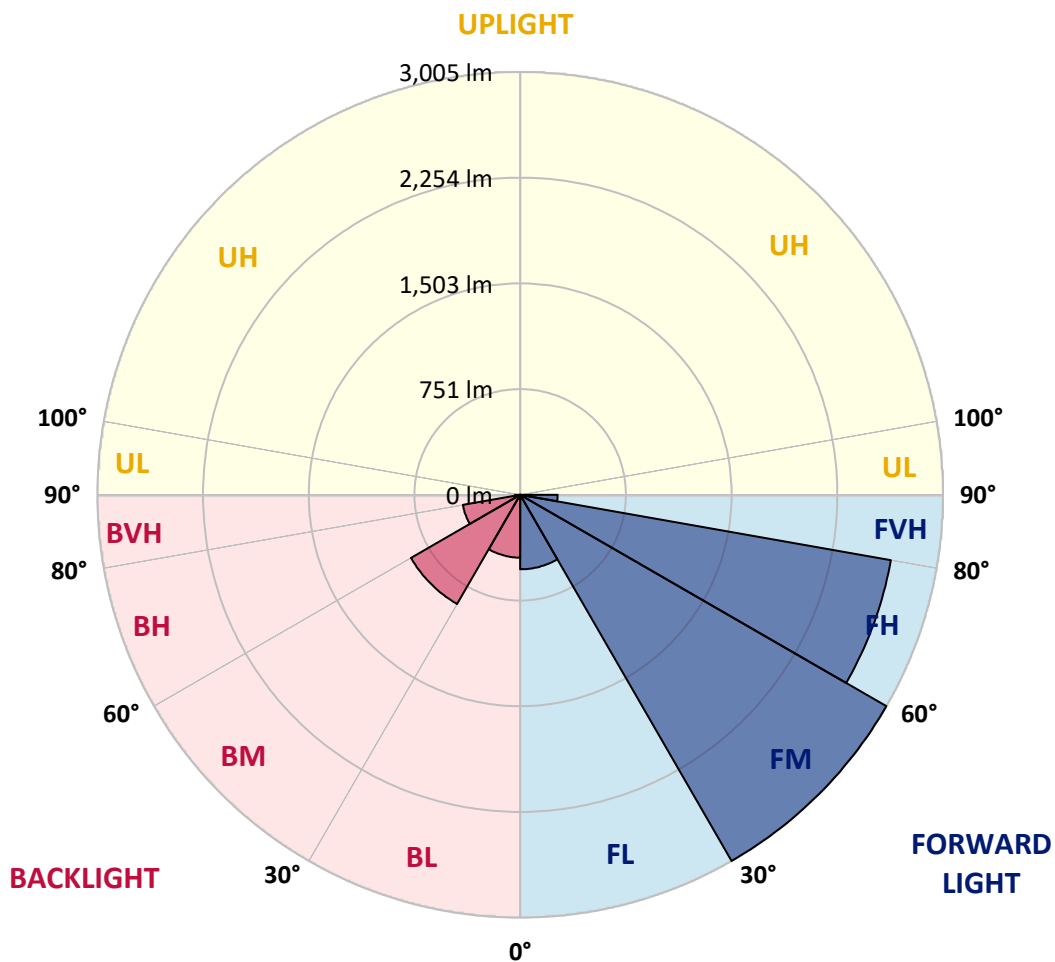
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	529.5	6.4			
FM	(30°-60°)	3005.4	36.3			
FH	(60°-80°)	2675.3	32.4			G2/5000
FVH	(80°-90°)	266.1	3.2			G3/500
BL	(0°-30°)	446.4	5.4	B1/500		
BM	(30°-60°)	896.3	10.8	B1/1000		
BH	(60°-80°)	413.4	5.0	B1/500		G1/500
BVH	(80°-90°)	37.1	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-G3**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2
2.5°	1025.4	1027.3	1027.3	1026.3	1026.3	1028.3	1027.3	1026.3	1023.4	1027.3	1027.3
5°	1017.4	1019.4	1019.4	1021.4	1023.4	1025.4	1025.4	1027.3	1026.3	1030.3	1033.3
7.5°	1027.3	1029.3	1033.3	1038.2	1041.2	1048.1	1048.1	1053.1	1055.1	1058.1	1057.1
10°	1040.2	1045.2	1054.1	1062.0	1068.0	1075.9	1081.8	1088.8	1088.8	1091.7	1093.7
12.5°	1063.0	1068.0	1077.9	1087.8	1096.7	1106.6	1115.5	1122.4	1129.4	1131.4	1135.3
15°	1100.6	1106.6	1121.5	1135.3	1146.2	1159.1	1171.0	1184.9	1197.7	1200.7	1202.7
17.5°	1157.1	1169.0	1179.9	1204.7	1220.5	1237.4	1256.2	1276.0	1280.0	1300.8	1305.7
20°	1237.4	1252.2	1262.1	1292.8	1319.6	1341.4	1369.1	1391.9	1400.8	1420.6	1440.5
22.5°	1376.1	1373.1	1387.9	1418.7	1438.5	1482.1	1505.8	1529.6	1541.5	1571.2	1587.1
25°	1562.3	1578.2	1610.9	1613.8	1632.6	1683.2	1713.9	1737.7	1738.7	1747.6	1764.4
27.5°	1745.6	1811.0	1862.5	1890.2	1940.7	1987.3	1985.3	2019.0	1966.5	1977.4	1993.3
30°	1967.5	2076.5	2173.6	2238.9	2290.5	2344.9	2371.7	2390.5	2367.7	2357.8	2339.0
32.5°	2175.5	2328.1	2477.7	2593.6	2689.7	2779.9	2839.3	2866.0	2897.8	2978.0	3006.7
35°	2318.2	2534.2	2720.4	2887.8	3048.3	3192.0	3296.0	3355.4	3332.7	3321.8	3315.8
37.5°	2403.4	2666.9	2899.7	3136.5	3320.8	3535.8	3697.2	3853.8	3889.4	3827.0	3796.3
40°	2456.9	2769.0	3068.1	3347.5	3586.3	3863.7	4063.8	4298.6	4476.9	4500.7	4427.4
42.5°	2482.7	2837.3	3186.0	3502.1	3825.0	4164.8	4418.4	4702.8	4969.3	5152.5	5107.0
45°	2486.6	2881.9	3272.2	3641.8	4026.1	4429.3	4756.3	5071.3	5428.0	5742.0	5750.9
47.5°	2486.6	2915.6	3331.7	3742.8	4206.4	4659.2	5015.8	5388.3	5825.2	6196.7	6310.7
50°	2488.6	2938.4	3387.1	3822.1	4344.1	4853.4	5256.6	5696.4	6156.1	6560.3	6780.2
52.5°	2497.5	2955.2	3430.7	3878.5	4433.3	4990.1	5443.8	5951.0	6408.7	6823.8	7108.2
55°	2517.3	2979.0	3462.4	3913.2	4492.8	5079.2	5579.5	6125.4	6572.2	6993.2	7390.5
57.5°	2572.8	3020.6	3501.1	3943.9	4525.4	5137.7	5674.6	6200.7	6634.6	7073.5	7540.1
60°	2683.8	3108.8	3567.5	4005.3	4579.9	5245.7	5720.2	6150.2	6589.0	7049.7	7573.8
62.5°	2861.1	3246.5	3659.6	4109.4	4735.5	5413.1	5685.5	5999.6	6409.7	6912.0	7453.9
63°	2922.5	3276.2	3680.4	4132.1	4778.1	5443.8	5670.7	5955.0	6373.1	6868.4	7411.3
65°	3093.9	3408.0	3779.5	4247.1	4953.4	5474.5	5554.8	5723.2	6119.5	6619.7	7159.7
67.5°	3413.9	3727.9	3992.5	4441.2	5101.0	5353.7	5195.1	5216.0	5630.1	6148.2	6633.6
70°	3616.0	3990.5	4128.2	4466.0	5074.3	5174.3	4729.5	4454.1	4786.0	5376.4	5801.4
72.5°	3563.5	3993.4	3978.6	4136.1	4539.3	4632.4	4171.8	3737.8	3935.0	4375.9	4651.3
75°	3052.3	3566.5	3457.5	3425.8	3567.5	3628.9	3283.1	3216.8	3465.4	3710.1	3714.1
77.5°	2197.3	2763.0	2635.2	2451.9	2442.0	2583.7	2630.3	3065.2	3432.7	3625.9	3540.7
80°	1399.8	2013.1	1880.3	1560.3	1555.4	1739.6	2148.8	2740.2	3129.6	3237.6	3015.6
82.5°	731.1	1317.6	1368.1	1171.0	1340.4	1645.5	2044.8	2208.2	2355.8	2370.7	2109.2
85°	455.7	810.4	953.0	983.7	1210.6	1459.3	1456.3	1398.8	1333.5	1141.3	1032.3
87.5°	51.5	102.0	154.5	146.6	197.1	276.4	344.8	202.1	141.7	51.5	71.3
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):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2
2.5°	1029.3	1030.3	1031.3	1031.3	1036.3	1035.3	1036.3	1038.2	1041.2	1043.2	1045.2
5°	1037.2	1037.2	1041.2	1044.2	1050.1	1054.1	1056.1	1062.0	1068.9	1067.0	1072.9
7.5°	1063.0	1062.0	1066.0	1068.0	1072.9	1079.8	1078.9	1083.8	1089.8	1091.7	1096.7
10°	1097.7	1094.7	1094.7	1092.7	1093.7	1091.7	1091.7	1091.7	1095.7	1094.7	1098.7
12.5°	1133.3	1132.4	1130.4	1124.4	1124.4	1116.5	1112.5	1107.6	1106.6	1099.7	1100.6
15°	1206.7	1206.7	1202.7	1190.8	1180.9	1174.0	1164.1	1157.1	1147.2	1134.3	1127.4
17.5°	1313.6	1299.8	1294.8	1292.8	1277.0	1271.0	1249.3	1226.5	1215.6	1197.7	1187.8
20°	1444.4	1441.4	1421.6	1411.7	1391.9	1364.2	1336.4	1306.7	1288.9	1267.1	1255.2
22.5°	1592.0	1570.2	1560.3	1545.5	1514.8	1483.1	1441.4	1401.8	1374.1	1359.2	1350.3
25°	1764.4	1742.6	1732.7	1712.9	1675.2	1641.6	1590.0	1543.5	1518.7	1494.0	1480.1
27.5°	1993.3	1972.5	1960.6	1909.0	1896.2	1840.7	1777.3	1713.9	1681.2	1644.5	1620.8
30°	2335.0	2336.0	2274.6	2212.2	2147.8	2051.7	1985.3	1914.0	1860.5	1808.0	1755.5
32.5°	2912.6	2765.0	2651.1	2517.3	2377.6	2275.6	2193.4	2108.2	2033.9	1957.6	1870.4
35°	3265.3	3194.0	3046.4	2801.7	2661.0	2537.1	2446.0	2343.0	2251.8	2117.1	1984.3
37.5°	3663.5	3498.1	3318.8	3183.1	3023.6	2879.9	2727.4	2610.5	2452.9	2271.6	2083.4
40°	4245.1	4008.3	3792.3	3610.1	3404.0	3253.4	3083.0	2913.6	2704.6	2442.0	2183.5
42.5°	4852.4	4607.7	4322.4	4085.6	3842.9	3666.5	3455.5	3217.7	2910.6	2585.7	2269.7
45°	5489.4	5162.5	4820.7	4531.4	4278.8	4059.8	3798.3	3483.2	3108.8	2714.5	2349.9
47.5°	6117.5	5742.0	5334.8	5023.8	4694.9	4427.4	4106.4	3708.1	3263.3	2836.3	2430.1
50°	6671.3	6309.7	5819.3	5424.0	5091.1	4761.2	4361.0	3881.5	3385.2	2941.3	2502.5
52.5°	7148.8	6837.7	6321.6	5822.2	5438.9	5068.3	4566.1	4021.2	3508.0	3038.4	2561.9
55°	7499.5	7292.4	6816.9	6197.7	5745.0	5303.1	4739.4	4155.9	3623.9	3115.7	2600.5
57.5°	7764.0	7649.1	7240.9	6551.4	6026.3	5531.0	4918.7	4317.4	3738.8	3182.1	2618.4
60°	7908.6	7940.3	7561.9	6860.5	6275.0	5721.2	5098.1	4455.1	3824.0	3220.7	2608.5
62.5°	7894.8	8088.9	7802.6	7050.7	6419.6	5834.1	5218.9	4519.5	3812.2	3159.3	2518.3
63°	7868.0	8093.9	7829.4	7063.6	6428.5	5838.1	5221.9	4510.6	3787.4	3129.6	2482.7
65°	7637.2	7980.0	7806.6	7005.1	6349.3	5763.8	5159.5	4381.8	3613.0	2970.1	2299.4
67.5°	7019.0	7448.0	7398.4	6592.0	5973.8	5456.7	4840.5	3966.7	3182.1	2577.8	1948.7
70°	5997.6	6400.8	6409.7	5733.1	5216.9	4709.7	4197.5	3227.6	2522.3	1998.2	1453.3
72.5°	4596.8	4856.3	4946.5	4500.7	4154.9	3798.3	3338.6	2343.0	1798.1	1359.2	946.1
75°	3559.5	3488.2	3487.2	3299.0	3158.3	2983.9	2478.7	1581.1	1180.9	883.7	578.6
77.5°	3199.9	2882.9	2575.8	2349.9	2237.0	2178.5	1625.7	953.0	696.5	508.2	332.9
80°	2639.2	2171.6	1754.5	1510.8	1413.7	1481.1	906.5	515.2	381.4	289.3	216.0
82.5°	1819.9	1510.8	1148.2	951.1	816.3	854.0	463.6	263.5	176.3	161.5	133.7
85°	948.1	831.2	701.4	602.3	532.0	467.6	240.7	125.8	73.3	64.4	58.5
87.5°	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2
2.5°	1048.1	1047.2	1049.1	1050.1	1053.1	1055.1	1056.1	1054.1	1057.1	1060.0	1058.1
5°	1075.9	1082.8	1083.8	1086.8	1086.8	1092.7	1092.7	1092.7	1091.7	1092.7	1090.7
7.5°	1099.7	1108.6	1109.6	1113.5	1114.5	1121.5	1118.5	1120.5	1120.5	1115.5	1113.5
10°	1102.6	1111.5	1116.5	1121.5	1128.4	1137.3	1137.3	1142.3	1142.3	1138.3	1137.3
12.5°	1103.6	1110.6	1115.5	1122.4	1132.4	1145.2	1152.2	1159.1	1162.1	1161.1	1158.1
15°	1124.4	1124.4	1125.4	1131.4	1138.3	1154.1	1164.1	1172.0	1176.9	1175.0	1170.0
17.5°	1178.9	1171.0	1165.0	1155.1	1157.1	1165.0	1171.0	1177.9	1178.9	1176.9	1169.0
20°	1242.3	1232.4	1217.6	1201.7	1193.8	1187.8	1183.9	1183.9	1180.9	1171.0	1158.1
22.5°	1332.5	1319.6	1298.8	1275.0	1259.2	1240.3	1217.6	1195.8	1172.0	1148.2	1120.5
25°	1457.3	1439.5	1417.7	1381.0	1347.3	1307.7	1261.1	1212.6	1156.1	1106.6	1066.0
27.5°	1583.1	1543.5	1487.0	1436.5	1374.1	1314.6	1248.3	1188.8	1116.5	1057.1	1012.5
30°	1687.1	1611.8	1530.6	1450.4	1368.1	1287.9	1208.6	1137.3	1058.1	997.6	954.0
32.5°	1767.4	1663.4	1550.4	1445.4	1344.4	1246.3	1155.1	1075.9	995.6	933.2	886.7
35°	1841.7	1697.0	1553.4	1423.6	1298.8	1196.7	1093.7	1007.5	922.3	856.9	806.4
37.5°	1897.2	1712.9	1535.6	1383.0	1239.3	1125.4	1020.4	932.2	845.1	773.7	716.3
40°	1932.8	1703.0	1496.9	1324.5	1169.0	1049.1	942.1	851.0	766.8	688.5	619.2
42.5°	1961.6	1690.1	1458.3	1271.0	1113.5	982.8	872.8	774.7	689.5	604.3	528.0
45°	2004.2	1700.0	1441.4	1233.4	1064.0	926.3	805.4	703.4	614.2	531.0	457.7
47.5°	2045.8	1705.0	1416.7	1186.8	1001.6	867.8	745.0	645.9	554.8	478.5	411.1
50°	2083.4	1702.0	1378.0	1127.4	941.1	809.4	690.5	591.4	501.3	430.9	367.5
52.5°	2101.2	1685.2	1330.5	1069.9	892.6	757.9	637.0	540.9	451.8	385.4	326.9
55°	2099.3	1641.6	1268.1	1015.5	839.1	703.4	584.5	489.4	409.2	347.7	297.2
57.5°	2069.5	1574.2	1201.7	955.0	768.8	636.0	523.1	430.9	363.6	312.1	269.5
60°	2007.1	1488.0	1114.5	866.8	680.6	552.8	446.8	367.5	313.1	273.4	245.7
62.5°	1890.2	1364.2	1005.5	744.0	561.7	444.8	352.7	301.2	260.5	236.8	223.9
63°	1855.6	1330.5	959.0	714.3	534.0	420.0	332.9	279.4	249.7	228.8	217.0
65°	1683.2	1165.0	802.5	576.6	415.1	324.0	267.5	226.9	209.0	200.1	199.1
67.5°	1363.2	916.4	567.7	395.3	282.3	233.8	205.1	188.2	180.3	178.3	180.3
70°	957.0	578.6	360.6	262.5	209.0	188.2	175.4	168.4	163.5	164.5	166.4
72.5°	610.3	346.7	247.7	199.1	176.3	165.4	159.5	157.5	156.5	155.5	155.5
75°	347.7	230.8	190.2	172.4	160.5	151.6	146.6	144.6	145.6	146.6	144.6
77.5°	229.8	190.2	169.4	157.5	146.6	136.7	133.7	132.8	134.7	136.7	136.7
80°	181.3	169.4	157.5	145.6	127.8	120.9	122.8	123.8	122.8	123.8	120.9
82.5°	127.8	125.8	128.8	123.8	106.0	100.1	98.1	99.1	97.1	97.1	95.1
85°	59.4	59.4	62.4	62.4	60.4	61.4	66.4	72.3	75.3	72.3	68.4
87.5°	0.0	0.0	0.0	0.0	0.0	8.9	17.8	25.8	27.7	34.7	33.7
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: P181053

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

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2
2.5°	1055.1	1057.1	1056.1	1055.1	1057.1	1055.1	1056.1	1055.1	1055.1	1054.1	1054.1
5°	1088.8	1091.7	1085.8	1084.8	1082.8	1077.9	1077.9	1075.9	1075.9	1071.9	1068.9
7.5°	1110.6	1111.5	1106.6	1105.6	1100.6	1095.7	1091.7	1087.8	1086.8	1083.8	1077.9
10°	1131.4	1129.4	1125.4	1120.5	1115.5	1108.6	1103.6	1098.7	1097.7	1092.7	1085.8
12.5°	1149.2	1148.2	1140.3	1135.3	1127.4	1120.5	1114.5	1108.6	1105.6	1099.7	1089.8
15°	1161.1	1155.1	1145.2	1136.3	1127.4	1119.5	1112.5	1105.6	1102.6	1095.7	1085.8
17.5°	1156.1	1145.2	1132.4	1121.5	1109.6	1099.7	1093.7	1086.8	1081.8	1077.9	1064.0
20°	1138.3	1122.4	1102.6	1089.8	1073.9	1061.0	1057.1	1050.1	1046.2	1031.3	1013.5
22.5°	1091.7	1068.9	1044.2	1025.4	1007.5	994.6	984.7	977.8	967.9	959.0	931.2
25°	1033.3	1007.5	981.8	959.0	935.2	915.4	897.6	880.7	875.8	856.9	830.2
27.5°	976.8	948.1	922.3	895.6	864.9	840.1	809.4	785.6	769.8	749.9	725.2
30°	916.4	887.7	853.0	817.3	781.6	754.9	720.2	691.5	671.7	650.9	628.1
32.5°	840.1	805.4	763.8	724.2	691.5	659.8	625.1	597.4	577.6	558.7	537.0
35°	752.9	707.3	662.8	619.2	584.5	557.8	527.0	506.2	492.4	475.5	452.7
37.5°	652.9	601.3	553.8	520.1	489.4	463.6	441.8	429.0	414.1	405.2	391.3
40°	551.8	501.3	454.7	424.0	398.3	383.4	371.5	368.5	358.6	346.7	337.8
42.5°	462.6	414.1	368.5	343.8	326.9	323.0	317.0	317.0	312.1	303.1	297.2
45°	402.2	351.7	312.1	294.2	285.3	284.3	281.4	281.4	280.4	276.4	269.5
47.5°	358.6	313.1	282.3	271.4	269.5	267.5	264.5	263.5	262.5	259.6	255.6
50°	319.0	280.4	260.5	255.6	256.6	253.6	250.6	247.7	246.7	243.7	239.7
52.5°	282.3	254.6	241.7	238.8	238.8	238.8	236.8	236.8	234.8	233.8	229.8
55°	261.5	240.7	233.8	232.8	231.8	230.8	228.8	228.8	226.9	225.9	220.9
57.5°	243.7	230.8	226.9	224.9	223.9	221.9	220.9	220.9	220.9	220.9	215.0
60°	229.8	223.9	222.9	220.9	219.9	216.0	214.0	213.0	214.0	215.0	209.0
62.5°	215.0	214.0	213.0	211.0	210.0	206.1	203.1	201.1	203.1	205.1	204.1
63°	211.0	210.0	210.0	209.0	208.0	203.1	200.1	198.1	200.1	202.1	202.1
65°	197.1	198.1	198.1	197.1	196.2	193.2	189.2	187.2	188.2	191.2	192.2
67.5°	182.3	183.3	182.3	183.3	182.3	180.3	177.3	175.4	174.4	175.4	176.3
70°	168.4	170.4	169.4	168.4	167.4	167.4	165.4	162.5	161.5	160.5	160.5
72.5°	156.5	156.5	154.5	154.5	153.6	153.6	151.6	148.6	147.6	147.6	145.6
75°	143.6	143.6	140.7	140.7	138.7	139.7	137.7	134.7	133.7	133.7	132.8
77.5°	135.7	132.8	127.8	126.8	125.8	125.8	124.8	121.9	120.9	120.9	119.9
80°	119.9	113.9	109.0	108.0	109.0	111.0	111.0	109.0	109.0	109.0	109.0
82.5°	93.1	91.1	88.2	86.2	86.2	89.2	93.1	95.1	97.1	99.1	99.1
85°	68.4	69.3	68.4	65.4	64.4	67.4	71.3	75.3	76.3	80.2	79.3
87.5°	36.7	37.6	34.7	33.7	36.7	38.6	42.6	43.6	45.6	46.6	47.6
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-SLL

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2
2.5°	1053.1	1052.1	1053.1	1051.1	1051.1	1049.1	1047.2	1046.2	1044.2	1043.2	1041.2
5°	1070.9	1068.0	1065.0	1064.0	1060.0	1056.1	1053.1	1048.1	1044.2	1037.2	1035.3
7.5°	1082.8	1075.9	1071.9	1070.9	1065.0	1062.0	1055.1	1049.1	1043.2	1034.3	1031.3
10°	1087.8	1080.8	1073.9	1070.9	1064.0	1059.0	1052.1	1043.2	1038.2	1029.3	1027.3
12.5°	1093.7	1080.8	1069.9	1062.0	1052.1	1041.2	1034.3	1029.3	1022.4	1017.4	1015.5
15°	1082.8	1066.0	1049.1	1034.3	1018.4	1006.5	999.6	991.7	983.7	980.8	980.8
17.5°	1053.1	1031.3	1002.6	983.7	966.9	954.0	945.1	937.2	936.2	932.2	934.2
20°	991.7	962.9	935.2	921.3	911.4	903.5	894.6	890.6	887.7	881.7	879.7
22.5°	906.5	882.7	862.9	853.0	845.1	835.1	827.2	815.3	812.4	806.4	803.4
25°	812.4	793.5	776.7	769.8	764.8	750.9	746.0	730.1	719.2	712.3	716.3
27.5°	718.2	704.4	688.5	679.6	676.6	663.8	658.8	641.0	632.1	632.1	622.1
30°	621.2	608.3	598.4	588.5	586.5	570.6	557.8	550.8	540.9	537.0	530.0
32.5°	530.0	517.1	509.2	504.3	496.3	483.5	470.6	458.7	442.8	436.9	433.9
35°	445.8	435.9	426.0	422.0	411.1	397.3	381.4	371.5	352.7	345.7	342.8
37.5°	381.4	369.5	362.6	351.7	340.8	325.9	314.0	305.1	298.2	295.2	295.2
40°	329.9	321.0	313.1	304.1	295.2	287.3	281.4	279.4	278.4	278.4	280.4
42.5°	291.3	283.3	279.4	274.4	271.4	271.4	270.5	271.4	272.4	273.4	276.4
45°	265.5	260.5	258.6	257.6	259.6	261.5	262.5	264.5	268.5	270.5	271.4
47.5°	251.6	247.7	246.7	247.7	250.6	254.6	258.6	261.5	264.5	265.5	266.5
50°	237.8	232.8	230.8	232.8	236.8	242.7	245.7	250.6	252.6	254.6	252.6
52.5°	225.9	221.9	220.9	220.9	224.9	228.8	232.8	236.8	237.8	237.8	236.8
55°	216.0	213.0	210.0	212.0	215.0	218.9	224.9	227.9	229.8	230.8	230.8
57.5°	208.0	205.1	202.1	204.1	207.1	211.0	217.0	219.9	221.9	224.9	225.9
60°	202.1	198.1	195.2	198.1	201.1	207.1	212.0	215.0	219.9	220.9	220.9
62.5°	196.2	192.2	187.2	190.2	190.2	193.2	198.1	202.1	207.1	209.0	209.0
63°	195.2	191.2	186.2	188.2	188.2	190.2	194.2	198.1	204.1	206.1	205.1
65°	187.2	186.2	181.3	181.3	179.3	181.3	184.3	188.2	191.2	194.2	194.2
67.5°	174.4	173.4	172.4	172.4	172.4	174.4	176.3	179.3	182.3	184.3	183.3
70°	159.5	159.5	159.5	160.5	160.5	162.5	163.5	162.5	165.4	167.4	166.4
72.5°	146.6	145.6	144.6	146.6	145.6	145.6	147.6	146.6	149.6	149.6	150.6
75°	132.8	131.8	131.8	132.8	130.8	128.8	129.8	129.8	130.8	130.8	132.8
77.5°	120.9	120.9	120.9	119.9	117.9	116.9	115.9	115.9	115.9	115.9	116.9
80°	110.0	110.0	110.0	109.0	107.0	105.0	103.0	102.0	101.0	96.1	96.1
82.5°	99.1	99.1	99.1	99.1	98.1	96.1	93.1	85.2	81.2	77.3	78.3
85°	78.3	80.2	82.2	85.2	84.2	84.2	78.3	68.4	62.4	58.5	59.4
87.5°	50.5	44.6	44.6	43.6	41.6	39.6	39.6	33.7	27.7	24.8	25.8
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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 CATALOG NUMBER: ICS-F04-LED-E1-SLL

REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	0°
2.5°	1041.2	1039.2	1037.2	1037.2	1034.3	1034.3	1032.3	1036.3	1032.3	1029.3	1029.3	2.5°
5°	1033.3	1031.3	1025.4	1024.4	1020.4	1020.4	1020.4	1018.4	1018.4	1016.4	1015.5	5°
7.5°	1028.3	1023.4	1018.4	1015.5	1015.5	1013.5	1017.4	1015.5	1016.4	1016.4	1017.4	7.5°
10°	1024.4	1020.4	1018.4	1017.4	1017.4	1020.4	1023.4	1024.4	1023.4	1024.4	1024.4	10°
12.5°	1014.5	1016.4	1017.4	1021.4	1026.3	1032.3	1039.2	1040.2	1042.2	1042.2	1044.2	12.5°
15°	982.8	987.7	993.7	1003.6	1016.4	1029.3	1042.2	1053.1	1063.0	1068.0	1071.9	15°
17.5°	938.2	943.1	954.0	964.9	981.8	1000.6	1022.4	1041.2	1062.0	1080.8	1099.7	17.5°
20°	877.7	885.7	888.6	908.5	928.3	954.0	979.8	1009.5	1045.2	1080.8	1117.5	20°
22.5°	799.5	808.4	822.3	838.1	858.9	890.6	921.3	967.9	1015.5	1066.0	1123.4	22.5°
25°	712.3	722.2	734.1	750.9	771.7	805.4	850.0	899.5	958.0	1024.4	1095.7	25°
27.5°	622.1	632.1	642.0	653.9	677.6	713.3	765.8	817.3	881.7	954.0	1037.2	27.5°
30°	532.0	533.0	538.9	553.8	578.6	625.1	663.8	728.2	795.5	871.8	967.9	30°
32.5°	432.9	431.9	438.9	451.8	475.5	520.1	567.7	630.1	696.5	792.5	891.6	32.5°
35°	344.8	344.8	357.6	370.5	397.3	429.0	470.6	526.1	604.3	693.5	792.5	35°
37.5°	298.2	305.1	313.1	325.9	346.7	371.5	408.2	456.7	518.1	603.3	694.5	37.5°
40°	283.3	287.3	294.2	306.1	324.0	346.7	373.5	410.1	457.7	526.1	609.3	40°
42.5°	277.4	278.4	282.3	291.3	307.1	329.9	357.6	390.3	426.0	474.5	546.9	42.5°
45°	271.4	270.5	272.4	279.4	292.3	318.0	349.7	385.4	421.0	461.7	521.1	45°
47.5°	266.5	266.5	266.5	269.5	281.4	307.1	343.8	385.4	428.0	473.5	532.0	47.5°
50°	252.6	251.6	251.6	253.6	262.5	290.3	333.9	384.4	439.9	499.3	565.7	50°
52.5°	236.8	236.8	237.8	238.8	246.7	274.4	323.0	384.4	453.7	533.0	616.2	52.5°
55°	231.8	232.8	233.8	232.8	238.8	262.5	311.1	378.4	459.7	559.7	670.7	55°
57.5°	227.9	229.8	229.8	228.8	232.8	252.6	299.2	366.6	454.7	569.6	709.3	57.5°
60°	221.9	221.9	221.9	218.9	220.9	238.8	281.4	347.7	438.9	560.7	715.3	60°
62.5°	209.0	209.0	207.1	206.1	205.1	218.9	257.6	320.0	410.1	537.0	700.4	62.5°
63°	206.1	205.1	205.1	202.1	202.1	215.0	252.6	316.0	402.2	531.0	694.5	63°
65°	195.2	195.2	195.2	193.2	192.2	202.1	232.8	288.3	371.5	503.3	664.7	65°
67.5°	183.3	184.3	182.3	181.3	180.3	186.2	210.0	253.6	324.0	444.8	609.3	67.5°
70°	166.4	167.4	167.4	166.4	165.4	169.4	184.3	218.0	268.5	370.5	519.1	70°
72.5°	151.6	153.6	153.6	155.5	155.5	158.5	164.5	181.3	215.0	289.3	408.2	72.5°
75°	135.7	136.7	138.7	140.7	138.7	137.7	138.7	151.6	168.4	214.0	291.3	75°
77.5°	121.9	124.8	124.8	123.8	120.9	118.9	118.9	124.8	138.7	162.5	208.0	77.5°
80°	101.0	106.0	107.0	104.0	101.0	101.0	103.0	107.0	115.9	133.7	157.5	80°
82.5°	81.2	86.2	87.2	88.2	87.2	90.2	90.2	91.1	96.1	110.0	128.8	82.5°
85°	62.4	66.4	69.3	70.3	71.3	72.3	71.3	66.4	69.3	78.3	87.2	85°
87.5°	27.7	28.7	26.7	27.7	26.7	27.7	28.7	23.8	22.8	30.7	31.7	87.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90°



NUMBER: P181053

NUMBER: ICS-F04-LED-E1-SLL

**DISTRIBUTION (continued):**

330°	335°	340°	345°	350°	355°	360°
1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2
1028.3	1028.3	1029.3	1027.3	1027.3	1028.3	1025.4
1012.5	1016.4	1016.4	1016.4	1014.5	1016.4	1017.4
1016.4	1019.4	1021.4	1021.4	1020.4	1024.4	1027.3
1021.4	1026.3	1028.3	1028.3	1028.3	1033.3	1040.2
1040.2	1044.2	1047.2	1047.2	1049.1	1055.1	1063.0
1074.9	1079.8	1079.8	1078.9	1084.8	1091.7	1100.6
1113.5	1127.4	1134.3	1133.3	1138.3	1147.2	1157.1
1150.2	1188.8	1205.7	1217.6	1222.5	1234.4	1237.4
1180.9	1245.3	1291.9	1331.5	1350.3	1362.2	1376.1
1170.0	1257.2	1340.4	1421.6	1479.1	1537.5	1562.3
1125.4	1234.4	1343.4	1462.2	1566.3	1670.3	1745.6
1070.9	1201.7	1348.3	1516.7	1681.2	1840.7	1967.5
1008.5	1171.0	1359.2	1567.3	1783.2	1992.3	2175.5
930.3	1112.5	1332.5	1572.2	1826.8	2080.4	2318.2
831.2	1033.3	1270.1	1536.6	1828.8	2119.1	2403.4
732.1	933.2	1190.8	1485.0	1803.0	2128.0	2456.9
662.8	844.1	1110.6	1419.6	1761.4	2114.1	2482.7
615.2	779.7	1039.2	1360.2	1716.9	2089.4	2486.6
611.3	751.9	992.7	1316.6	1681.2	2067.6	2486.6
644.9	766.8	976.8	1294.8	1666.3	2060.6	2488.6
708.3	826.2	1005.5	1311.7	1678.2	2069.5	2497.5
784.6	916.4	1082.8	1370.1	1728.7	2099.3	2517.3
854.0	1020.4	1214.6	1483.1	1820.9	2174.6	2572.8
894.6	1109.6	1354.3	1641.6	1978.4	2324.1	2683.8
899.5	1159.1	1478.1	1813.9	2169.6	2495.5	2861.1
895.6	1163.1	1494.0	1846.6	2210.2	2538.1	2922.5
873.8	1164.1	1538.5	1961.6	2350.9	2717.4	3093.9
818.3	1132.4	1554.4	2051.7	2528.2	2953.2	3413.9
722.2	1042.2	1507.8	2053.7	2596.6	3085.0	3616.0
580.5	870.8	1306.7	1868.4	2416.3	2955.2	3563.5
425.0	640.0	987.7	1447.4	1971.5	2459.9	3052.3
282.3	414.1	665.7	1031.3	1413.7	1770.4	2197.3
194.2	256.6	389.3	620.2	864.9	1038.2	1399.8
142.7	169.4	216.0	317.0	416.1	512.2	731.1
89.2	97.1	108.0	156.5	223.9	302.2	455.7
23.8	24.8	22.8	30.7	48.5	46.6	51.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)