

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: P181026

Luminaire Tested: **ICS-E02-LED-E1-SLL-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181026
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-E02-LED-E1-SLL-8030
Description: ICON SITE SMALL LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (42) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4227.3 lumens
Efficiency: N/A
Efficacy: 81.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 52.1
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

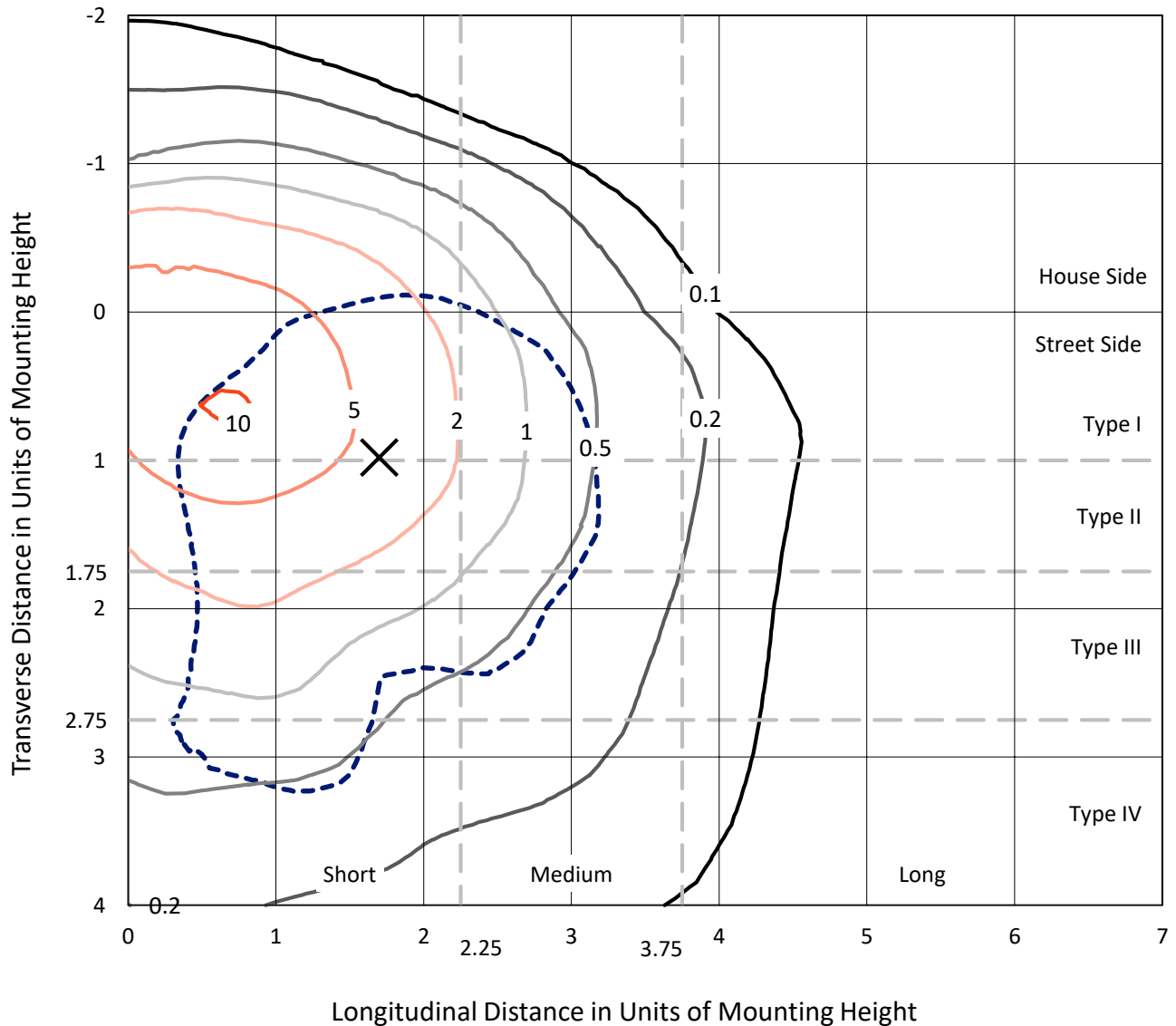


REPORT NUMBER: P181026

CATALOG NUMBER: ICS-E02-LED-E1-SLL-8030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

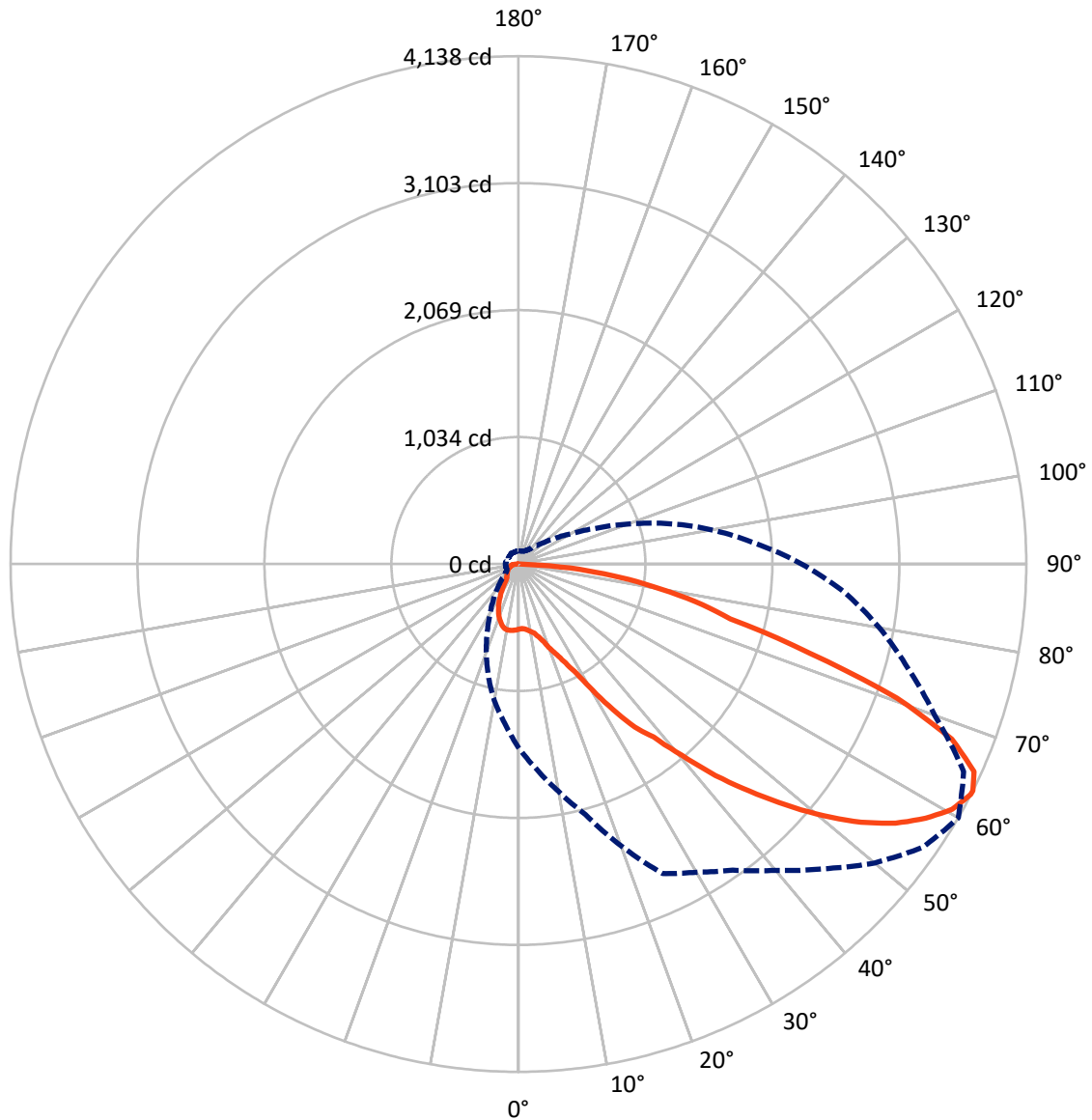


Based on 10 foot mounting height. Maximum calculated value = 10.5 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P181026

CATALOG NUMBER: ICS-E02-LED-E1-SLL-8030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P181026

CATALOG NUMBER: ICS-E02-LED-E1-SLL-8030

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	916.7	0.0	916.7
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	3310.6	0.0	3310.6
	% Fixture	78.3	0.0	78.3
Total	Lumens	4227.3	0.0	4227.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.7	1.2
10°-20°	161.1	3.8
20°-30°	286.1	6.8
30°-40°	450.6	10.7
40°-50°	663.1	15.7
50°-60°	880.8	20.8
60°-70°	970.2	23.0
70°-80°	608.7	14.4
80°-90°	155.0	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°	4227.3	100.0
0°-180°	4227.3	100.0

Coefficient of Utilization



REPORT NUMBER: P181026

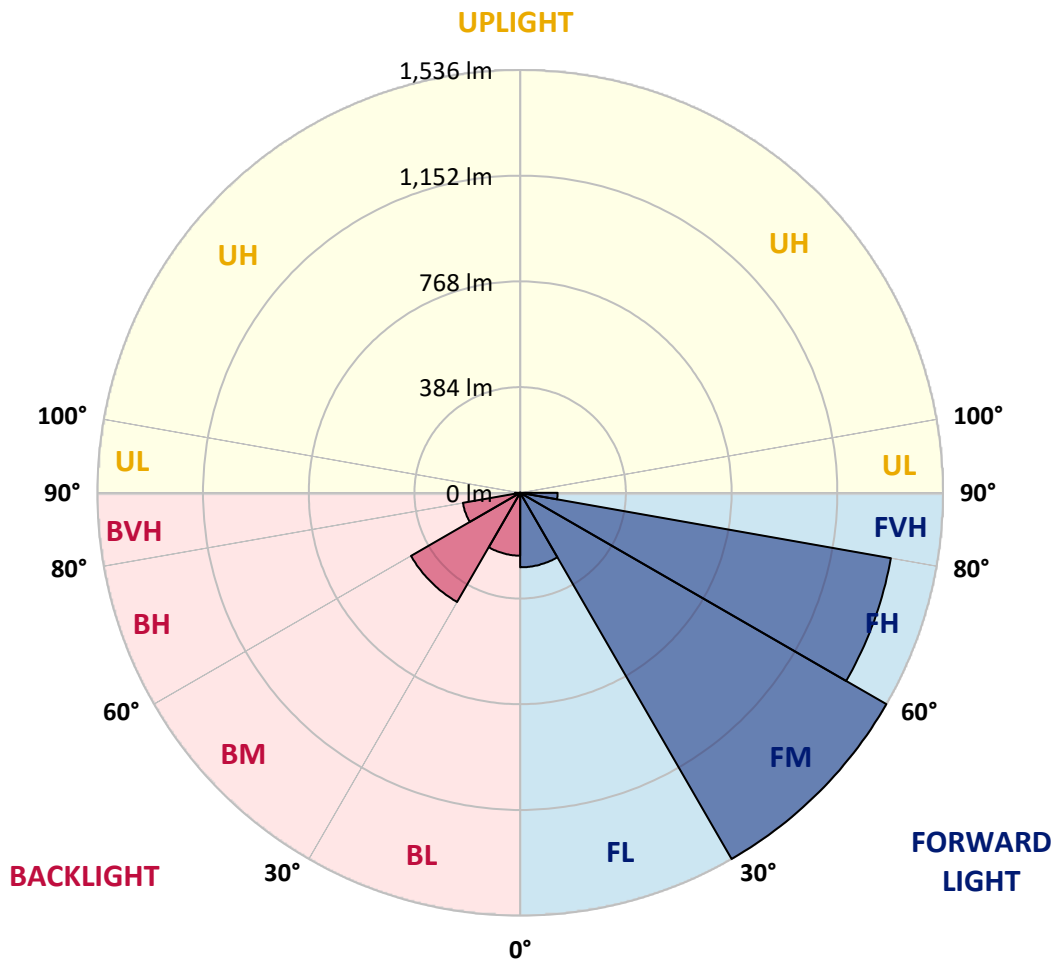
CATALOG NUMBER: ICS-E02-LED-E1-SLL-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	270.7	6.4			
FM	(30°-60°)	1536.3	36.3			
FH	(60°-80°)	1367.6	32.4			G1/1800
FVH	(80°-90°)	136.1	3.2			G2/225
BL	(0°-30°)	228.2	5.4	B1/500		
BM	(30°-60°)	458.2	10.8	B1/1000		
BH	(60°-80°)	211.3	5.0	B1/500		G1/500
BVH	(80°-90°)	19.0	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 IV Short





REPORT NUMBER: P181026

CATALOG NUMBER: ICS-E02-LED-E1-SLL-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	531.2	531.2	531.2	531.2	531.2	531.2	531.2	531.2	531.2	531.2	531.2
2.5°	524.1	525.2	525.2	524.7	524.7	525.7	525.2	524.7	523.1	525.2	525.2
5°	520.1	521.1	521.1	522.1	523.1	524.1	524.1	525.2	524.7	526.7	528.2
7.5°	525.2	526.2	528.2	530.7	532.2	535.8	535.8	538.3	539.3	540.9	540.4
10°	531.7	534.3	538.8	542.9	545.9	550.0	553.0	556.6	556.6	558.1	559.1
12.5°	543.4	545.9	551.0	556.1	560.6	565.7	570.2	573.8	577.3	578.3	580.4
15°	562.6	565.7	573.3	580.4	585.9	592.5	598.6	605.7	612.3	613.8	614.8
17.5°	591.5	597.6	603.1	615.8	623.9	632.5	642.1	652.3	654.3	664.9	667.5
20°	632.5	640.1	645.2	660.9	674.6	685.7	699.9	711.5	716.1	726.2	736.3
22.5°	703.4	701.9	709.5	725.2	735.3	757.6	769.8	781.9	788.0	803.2	811.3
25°	798.6	806.7	823.4	825.0	834.6	860.4	876.1	888.3	888.8	893.3	901.9
27.5°	892.3	925.7	952.1	966.3	992.1	1015.9	1014.9	1032.1	1005.2	1010.8	1018.9
30°	1005.8	1061.5	1111.1	1144.5	1170.8	1198.7	1212.4	1222.0	1210.3	1205.3	1195.7
32.5°	1112.1	1190.1	1266.6	1325.8	1374.9	1421.0	1451.4	1465.1	1481.3	1522.3	1537.0
35°	1185.0	1295.4	1390.6	1476.2	1558.3	1631.7	1684.9	1715.3	1703.6	1698.0	1695.0
37.5°	1228.6	1363.3	1482.3	1603.3	1697.5	1807.4	1890.0	1970.0	1988.2	1956.3	1940.6
40°	1255.9	1415.4	1568.4	1711.2	1833.2	1975.0	2077.3	2197.4	2288.5	2300.7	2263.2
42.5°	1269.1	1450.4	1628.7	1790.2	1955.3	2129.0	2258.6	2404.0	2540.2	2633.9	2610.6
45°	1271.1	1473.2	1672.7	1861.6	2058.1	2264.2	2431.3	2592.4	2774.7	2935.2	2939.8
47.5°	1271.1	1490.4	1703.1	1913.3	2150.3	2381.7	2564.0	2754.4	2977.8	3167.7	3225.9
50°	1272.1	1502.0	1731.5	1953.8	2220.7	2481.0	2687.1	2911.9	3146.9	3353.5	3466.0
52.5°	1276.7	1510.7	1753.7	1982.6	2266.2	2550.8	2782.8	3042.1	3276.0	3488.2	3633.6
55°	1286.8	1522.8	1769.9	2000.4	2296.6	2596.4	2852.2	3131.2	3359.6	3574.8	3777.9
57.5°	1315.2	1544.1	1789.7	2016.1	2313.3	2626.3	2900.8	3169.7	3391.5	3615.9	3854.4
60°	1371.9	1589.2	1823.6	2047.5	2341.2	2681.5	2924.1	3143.9	3368.2	3603.7	3871.6
62.5°	1462.5	1659.5	1870.7	2100.6	2420.7	2767.1	2906.4	3066.9	3276.6	3533.3	3810.3
63°	1493.9	1674.7	1881.4	2112.3	2442.5	2782.8	2898.8	3044.1	3257.8	3511.0	3788.5
65°	1581.6	1742.1	1932.0	2171.0	2532.1	2798.5	2839.5	2925.6	3128.2	3383.9	3659.9
67.5°	1745.1	1905.7	2040.9	2270.3	2607.6	2736.7	2655.7	2666.3	2878.0	3142.9	3391.0
70°	1848.4	2039.9	2110.3	2283.0	2593.9	2645.0	2417.7	2276.9	2446.5	2748.4	2965.6
72.5°	1821.6	2041.4	2033.8	2114.3	2320.4	2368.0	2132.5	1910.7	2011.5	2236.9	2377.7
75°	1560.3	1823.1	1767.4	1751.2	1823.6	1855.0	1678.3	1644.4	1771.5	1896.6	1898.6
77.5°	1123.2	1412.4	1347.1	1253.4	1248.3	1320.7	1344.6	1566.9	1754.8	1853.5	1810.0
80°	715.6	1029.0	961.2	797.6	795.1	889.3	1098.4	1400.8	1599.8	1655.0	1541.5
82.5°	373.7	673.5	699.4	598.6	685.2	841.2	1045.3	1128.8	1204.3	1211.9	1078.2
85°	233.0	414.3	487.2	502.9	618.8	746.0	744.4	715.1	681.6	583.4	527.7
87.5°	26.3	52.2	79.0	75.0	100.8	141.3	176.2	103.3	72.4	26.3	36.5
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: P181026

CATALOG NUMBER: ICS-E02-LED-E1-SLL-8030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	531.2	531.2	531.2	531.2	531.2	531.2	531.2	531.2	531.2	531.2	531.2
2.5°	526.2	526.7	527.2	527.2	529.7	529.2	529.7	530.7	532.2	533.3	534.3
5°	530.2	530.2	532.2	533.8	536.8	538.8	539.8	542.9	546.4	545.4	548.5
7.5°	543.4	542.9	544.9	545.9	548.5	552.0	551.5	554.0	557.1	558.1	560.6
10°	561.1	559.6	559.6	558.6	559.1	558.1	558.1	558.1	560.1	559.6	561.6
12.5°	579.3	578.8	577.8	574.8	574.8	570.7	568.7	566.2	565.7	562.1	562.6
15°	616.8	616.8	614.8	608.7	603.7	600.1	595.0	591.5	586.4	579.9	576.3
17.5°	671.5	664.4	661.9	660.9	652.8	649.7	638.6	627.0	621.4	612.3	607.2
20°	738.4	736.8	726.7	721.7	711.5	697.3	683.2	668.0	658.9	647.7	641.6
22.5°	813.8	802.7	797.6	790.0	774.3	758.1	736.8	716.6	702.4	694.8	690.3
25°	901.9	890.8	885.7	875.6	856.4	839.1	812.8	789.0	776.3	763.7	756.6
27.5°	1018.9	1008.3	1002.2	975.9	969.3	940.9	908.5	876.1	859.4	840.7	828.5
30°	1193.6	1194.1	1162.7	1130.8	1097.9	1048.8	1014.9	978.4	951.1	924.2	897.4
32.5°	1488.9	1413.4	1355.2	1286.8	1215.4	1163.3	1121.2	1077.7	1039.7	1000.7	956.1
35°	1669.2	1632.7	1557.2	1432.2	1360.2	1296.9	1250.4	1197.7	1151.1	1082.2	1014.4
37.5°	1872.7	1788.2	1696.5	1627.1	1545.6	1472.2	1394.2	1334.4	1253.9	1161.2	1065.0
40°	2170.0	2049.0	1938.6	1845.4	1740.1	1663.1	1576.0	1489.4	1382.5	1248.3	1116.2
42.5°	2480.5	2355.4	2209.5	2088.5	1964.4	1874.3	1766.4	1644.9	1487.9	1321.8	1160.2
45°	2806.1	2639.0	2464.2	2316.4	2187.2	2075.3	1941.6	1780.6	1589.2	1387.6	1201.2
47.5°	3127.2	2935.2	2727.1	2568.1	2399.9	2263.2	2099.1	1895.5	1668.2	1449.9	1242.3
50°	3410.2	3225.4	2974.7	2772.7	2602.5	2433.9	2229.3	1984.2	1730.4	1503.6	1279.2
52.5°	3654.3	3495.3	3231.5	2976.2	2780.3	2590.9	2334.1	2055.6	1793.2	1553.2	1309.6
55°	3833.6	3727.8	3484.7	3168.2	2936.7	2710.9	2422.7	2124.4	1852.5	1592.7	1329.4
57.5°	3968.8	3910.1	3701.4	3349.0	3080.6	2827.4	2514.4	2207.0	1911.2	1626.6	1338.5
60°	4042.8	4059.0	3865.5	3507.0	3207.7	2924.6	2606.0	2277.4	1954.8	1646.4	1333.4
62.5°	4035.7	4134.9	3988.6	3604.2	3281.6	2982.3	2667.8	2310.3	1948.7	1615.0	1287.3
63°	4022.0	4137.5	4002.3	3610.8	3286.2	2984.3	2669.4	2305.7	1936.1	1599.8	1269.1
65°	3904.0	4079.2	3990.6	3580.9	3245.7	2946.4	2637.4	2239.9	1846.9	1518.3	1175.4
67.5°	3588.0	3807.3	3782.0	3369.7	3053.7	2789.4	2474.4	2027.7	1626.6	1317.7	996.1
70°	3065.9	3272.0	3276.6	2930.7	2666.8	2407.5	2145.7	1649.9	1289.4	1021.5	742.9
72.5°	2349.8	2482.5	2528.6	2300.7	2123.9	1941.6	1706.6	1197.7	919.2	694.8	483.6
75°	1819.6	1783.1	1782.6	1686.4	1614.5	1525.3	1267.1	808.2	603.7	451.7	295.8
77.5°	1635.7	1473.7	1316.7	1201.2	1143.5	1113.6	831.0	487.2	356.0	259.8	170.2
80°	1349.1	1110.1	896.9	772.3	722.7	757.1	463.4	263.3	195.0	147.9	110.4
82.5°	930.3	772.3	586.9	486.2	417.3	436.5	237.0	134.7	90.1	82.5	68.4
85°	484.6	424.9	358.5	307.9	271.9	239.0	123.1	64.3	37.5	32.9	29.9
87.5°	0.0	0.5	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



REPORT NUMBER: P181026

CATALOG NUMBER: ICS-E02-LED-E1-SLL-8030

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	531.2	531.2	531.2	531.2	531.2	531.2	531.2	531.2	531.2	531.2	531.2
2.5°	535.8	535.3	536.3	536.8	538.3	539.3	539.8	538.8	540.4	541.9	540.9
5°	550.0	553.5	554.0	555.5	555.5	558.6	558.6	558.6	558.1	558.6	557.6
7.5°	562.1	566.7	567.2	569.2	569.7	573.3	571.8	572.8	572.8	570.2	569.2
10°	563.6	568.2	570.7	573.3	576.8	581.4	581.4	583.9	583.9	581.9	581.4
12.5°	564.2	567.7	570.2	573.8	578.8	585.4	589.0	592.5	594.0	593.5	592.0
15°	574.8	574.8	575.3	578.3	581.9	590.0	595.0	599.1	601.6	600.6	598.1
17.5°	602.6	598.6	595.6	590.5	591.5	595.6	598.6	602.1	602.6	601.6	597.6
20°	635.1	630.0	622.4	614.3	610.2	607.2	605.2	605.2	603.7	598.6	592.0
22.5°	681.1	674.6	663.9	651.8	643.7	634.0	622.4	611.3	599.1	586.9	572.8
25°	744.9	735.8	724.7	706.0	688.7	668.5	644.7	619.9	591.0	565.7	544.9
27.5°	809.3	789.0	760.1	734.3	702.4	672.0	638.1	607.7	570.7	540.4	517.6
30°	862.4	823.9	782.4	741.4	699.4	658.3	617.8	581.4	540.9	510.0	487.7
32.5°	903.5	850.3	792.6	738.9	687.2	637.1	590.5	550.0	509.0	477.0	453.2
35°	941.4	867.5	794.1	727.7	663.9	611.8	559.1	515.0	471.5	438.1	412.2
37.5°	969.8	875.6	785.0	707.0	633.5	575.3	521.6	476.5	432.0	395.5	366.1
40°	988.0	870.5	765.2	677.1	597.6	536.3	481.6	435.0	392.0	352.0	316.5
42.5°	1002.7	864.0	745.5	649.7	569.2	502.4	446.2	396.0	352.5	308.9	269.9
45°	1024.5	869.0	736.8	630.5	543.9	473.5	411.7	359.6	314.0	271.4	234.0
47.5°	1045.8	871.6	724.2	606.7	512.0	443.6	380.8	330.2	283.6	244.6	210.2
50°	1065.0	870.0	704.4	576.3	481.1	413.7	353.0	302.3	256.2	220.3	187.9
52.5°	1074.1	861.4	680.1	546.9	456.3	387.4	325.6	276.5	230.9	197.0	167.1
55°	1073.1	839.1	648.2	519.1	428.9	359.6	298.8	250.2	209.2	177.8	151.9
57.5°	1057.9	804.7	614.3	488.2	393.0	325.1	267.4	220.3	185.9	159.5	137.7
60°	1026.0	760.6	569.7	443.1	347.9	282.6	228.4	187.9	160.0	139.8	125.6
62.5°	966.3	697.3	514.0	380.3	287.1	227.4	180.3	154.0	133.2	121.0	114.5
63°	948.5	680.1	490.2	365.1	273.0	214.7	170.2	142.8	127.6	117.0	110.9
65°	860.4	595.6	410.2	294.7	212.2	165.6	136.7	116.0	106.9	102.3	101.8
67.5°	696.8	468.4	290.2	202.1	144.3	119.5	104.8	96.2	92.2	91.2	92.2
70°	489.2	295.8	184.3	134.2	106.9	96.2	89.6	86.1	83.6	84.1	85.1
72.5°	312.0	177.2	126.6	101.8	90.1	84.6	81.5	80.5	80.0	79.5	79.5
75°	177.8	118.0	97.2	88.1	82.0	77.5	75.0	73.9	74.4	75.0	73.9
77.5°	117.5	97.2	86.6	80.5	75.0	69.9	68.4	67.9	68.9	69.9	69.9
80°	92.7	86.6	80.5	74.4	65.3	61.8	62.8	63.3	62.8	63.3	61.8
82.5°	65.3	64.3	65.8	63.3	54.2	51.1	50.1	50.6	49.6	49.6	48.6
85°	30.4	30.4	31.9	31.9	30.9	31.4	33.9	37.0	38.5	37.0	34.9
87.5°	0.0	0.0	0.0	0.0	0.0	4.6	9.1	13.2	14.2	17.7	17.2
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: P181026

CATALOG NUMBER: ICS-E02-LED-E1-SLL-8030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	531.2	531.2	531.2	531.2	531.2	531.2	531.2	531.2	531.2	531.2	531.2
2.5°	539.3	540.4	539.8	539.3	540.4	539.3	539.8	539.3	539.3	538.8	538.8
5°	556.6	558.1	555.0	554.5	553.5	551.0	551.0	550.0	550.0	547.9	546.4
7.5°	567.7	568.2	565.7	565.2	562.6	560.1	558.1	556.1	555.5	554.0	551.0
10°	578.3	577.3	575.3	572.8	570.2	566.7	564.2	561.6	561.1	558.6	555.0
12.5°	587.4	586.9	582.9	580.4	576.3	572.8	569.7	566.7	565.2	562.1	557.1
15°	593.5	590.5	585.4	580.9	576.3	572.3	568.7	565.2	563.6	560.1	555.0
17.5°	591.0	585.4	578.8	573.3	567.2	562.1	559.1	555.5	553.0	551.0	543.9
20°	581.9	573.8	563.6	557.1	549.0	542.4	540.4	536.8	534.8	527.2	518.1
22.5°	558.1	546.4	533.8	524.1	515.0	508.4	503.4	499.8	494.8	490.2	476.0
25°	528.2	515.0	501.9	490.2	478.1	467.9	458.8	450.2	447.7	438.1	424.4
27.5°	499.3	484.6	471.5	457.8	442.1	429.4	413.7	401.6	393.5	383.4	370.7
30°	468.4	453.8	436.0	417.8	399.6	385.9	368.2	353.5	343.4	332.7	321.1
32.5°	429.4	411.7	390.5	370.2	353.5	337.3	319.6	305.4	295.2	285.6	274.5
35°	384.9	361.6	338.8	316.5	298.8	285.1	269.4	258.8	251.7	243.1	231.4
37.5°	333.7	307.4	283.1	265.9	250.2	237.0	225.9	219.3	211.7	207.1	200.0
40°	282.1	256.2	232.4	216.7	203.6	196.0	189.9	188.4	183.3	177.2	172.7
42.5°	236.5	211.7	188.4	175.7	167.1	165.1	162.1	162.1	159.5	155.0	151.9
45°	205.6	179.8	159.5	150.4	145.8	145.3	143.8	143.8	143.3	141.3	137.7
47.5°	183.3	160.0	144.3	138.8	137.7	136.7	135.2	134.7	134.2	132.7	130.7
50°	163.1	143.3	133.2	130.7	131.2	129.6	128.1	126.6	126.1	124.6	122.6
52.5°	144.3	130.2	123.6	122.0	122.0	122.0	121.0	121.0	120.0	119.5	117.5
55°	133.7	123.1	119.5	119.0	118.5	118.0	117.0	117.0	116.0	115.5	112.9
57.5°	124.6	118.0	116.0	115.0	114.5	113.4	112.9	112.9	112.9	112.9	109.9
60°	117.5	114.5	113.9	112.9	112.4	110.4	109.4	108.9	109.4	109.9	106.9
62.5°	109.9	109.4	108.9	107.9	107.4	105.3	103.8	102.8	103.8	104.8	104.3
63°	107.9	107.4	107.4	106.9	106.3	103.8	102.3	101.3	102.3	103.3	103.3
65°	100.8	101.3	101.3	100.8	100.3	98.8	96.7	95.7	96.2	97.7	98.2
67.5°	93.2	93.7	93.2	93.7	93.2	92.2	90.6	89.6	89.1	89.6	90.1
70°	86.1	87.1	86.6	86.1	85.6	85.6	84.6	83.1	82.5	82.0	82.0
72.5°	80.0	80.0	79.0	79.0	78.5	78.5	77.5	76.0	75.5	75.5	74.4
75°	73.4	73.4	71.9	71.9	70.9	71.4	70.4	68.9	68.4	68.4	67.9
77.5°	69.4	67.9	65.3	64.8	64.3	64.3	63.8	62.3	61.8	61.8	61.3
80°	61.3	58.2	55.7	55.2	55.7	56.7	56.7	55.7	55.7	55.7	55.7
82.5°	47.6	46.6	45.1	44.1	44.1	45.6	47.6	48.6	49.6	50.6	50.6
85°	34.9	35.4	34.9	33.4	32.9	34.4	36.5	38.5	39.0	41.0	40.5
87.5°	18.7	19.2	17.7	17.2	18.7	19.8	21.8	22.3	23.3	23.8	24.3
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: P181026

CATALOG NUMBER: ICS-E02-LED-E1-SLL-8030

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	531.2	531.2	531.2	531.2	531.2	531.2	531.2	531.2	531.2	531.2	531.2
2.5°	538.3	537.8	538.3	537.3	537.3	536.3	535.3	534.8	533.8	533.3	532.2
5°	547.4	545.9	544.4	543.9	541.9	539.8	538.3	535.8	533.8	530.2	529.2
7.5°	553.5	550.0	547.9	547.4	544.4	542.9	539.3	536.3	533.3	528.7	527.2
10°	556.1	552.5	549.0	547.4	543.9	541.4	537.8	533.3	530.7	526.2	525.2
12.5°	559.1	552.5	546.9	542.9	537.8	532.2	528.7	526.2	522.6	520.1	519.1
15°	553.5	544.9	536.3	528.7	520.6	514.5	511.0	506.9	502.9	501.4	501.4
17.5°	538.3	527.2	512.5	502.9	494.3	487.7	483.1	479.1	478.6	476.5	477.6
20°	506.9	492.2	478.1	471.0	465.9	461.9	457.3	455.3	453.8	450.7	449.7
22.5°	463.4	451.2	441.1	436.0	432.0	426.9	422.9	416.8	415.3	412.2	410.7
25°	415.3	405.6	397.0	393.5	391.0	383.9	381.3	373.2	367.7	364.1	366.1
27.5°	367.2	360.1	352.0	347.4	345.9	339.3	336.8	327.7	323.1	323.1	318.0
30°	317.5	310.9	305.9	300.8	299.8	291.7	285.1	281.6	276.5	274.5	270.9
32.5°	270.9	264.4	260.3	257.8	253.7	247.1	240.6	234.5	226.4	223.3	221.8
35°	227.9	222.8	217.8	215.7	210.2	203.1	195.0	189.9	180.3	176.7	175.2
37.5°	195.0	188.9	185.4	179.8	174.2	166.6	160.5	156.0	152.4	150.9	150.9
40°	168.6	164.1	160.0	155.5	150.9	146.9	143.8	142.8	142.3	142.3	143.3
42.5°	148.9	144.8	142.8	140.3	138.8	138.8	138.3	138.8	139.3	139.8	141.3
45°	135.7	133.2	132.2	131.7	132.7	133.7	134.2	135.2	137.2	138.3	138.8
47.5°	128.6	126.6	126.1	126.6	128.1	130.2	132.2	133.7	135.2	135.7	136.2
50°	121.5	119.0	118.0	119.0	121.0	124.1	125.6	128.1	129.1	130.2	129.1
52.5°	115.5	113.4	112.9	112.9	115.0	117.0	119.0	121.0	121.5	121.5	121.0
55°	110.4	108.9	107.4	108.4	109.9	111.9	115.0	116.5	117.5	118.0	118.0
57.5°	106.3	104.8	103.3	104.3	105.8	107.9	110.9	112.4	113.4	115.0	115.5
60°	103.3	101.3	99.8	101.3	102.8	105.8	108.4	109.9	112.4	112.9	112.9
62.5°	100.3	98.2	95.7	97.2	97.2	98.8	101.3	103.3	105.8	106.9	106.9
63°	99.8	97.7	95.2	96.2	96.2	97.2	99.3	101.3	104.3	105.3	104.8
65°	95.7	95.2	92.7	92.7	91.7	92.7	94.2	96.2	97.7	99.3	99.3
67.5°	89.1	88.6	88.1	88.1	88.1	89.1	90.1	91.7	93.2	94.2	93.7
70°	81.5	81.5	81.5	82.0	82.0	83.1	83.6	83.1	84.6	85.6	85.1
72.5°	75.0	74.4	73.9	75.0	74.4	74.4	75.5	75.0	76.5	76.5	77.0
75°	67.9	67.4	67.4	67.9	66.8	65.8	66.3	66.3	66.8	66.8	67.9
77.5°	61.8	61.8	61.8	61.3	60.3	59.8	59.3	59.3	59.3	59.3	59.8
80°	56.2	56.2	56.2	55.7	54.7	53.7	52.7	52.2	51.7	49.1	49.1
82.5°	50.6	50.6	50.6	50.6	50.1	49.1	47.6	43.6	41.5	39.5	40.0
85°	40.0	41.0	42.0	43.6	43.0	43.0	40.0	34.9	31.9	29.9	30.4
87.5°	25.8	22.8	22.8	22.3	21.3	20.3	20.3	17.2	14.2	12.7	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: P181026
 CATALOG NUMBER: ICS-E02-LED-E1-SLL-8030

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	531.2	531.2	531.2	531.2	531.2	531.2	531.2	531.2	531.2	531.2	531.2	0°
2.5°	532.2	531.2	530.2	530.2	528.7	528.7	527.7	529.7	527.7	526.2	526.2	2.5°
5°	528.2	527.2	524.1	523.6	521.6	521.6	521.6	520.6	520.6	519.6	519.1	5°
7.5°	525.7	523.1	520.6	519.1	519.1	518.1	520.1	519.1	519.6	519.6	520.1	7.5°
10°	523.6	521.6	520.6	520.1	520.1	521.6	523.1	523.6	523.1	523.6	523.6	10°
12.5°	518.6	519.6	520.1	522.1	524.7	527.7	531.2	531.7	532.8	532.8	533.8	12.5°
15°	502.4	504.9	507.9	513.0	519.6	526.2	532.8	538.3	543.4	545.9	547.9	15°
17.5°	479.6	482.1	487.7	493.3	501.9	511.5	522.6	532.2	542.9	552.5	562.1	17.5°
20°	448.7	452.7	454.3	464.4	474.5	487.7	500.9	516.0	534.3	552.5	571.2	20°
22.5°	408.7	413.2	420.3	428.4	439.1	455.3	471.0	494.8	519.1	544.9	574.3	22.5°
25°	364.1	369.2	375.3	383.9	394.5	411.7	434.5	459.8	489.7	523.6	560.1	25°
27.5°	318.0	323.1	328.2	334.2	346.4	364.6	391.5	417.8	450.7	487.7	530.2	27.5°
30°	271.9	272.5	275.5	283.1	295.8	319.6	339.3	372.2	406.7	445.7	494.8	30°
32.5°	221.3	220.8	224.3	230.9	243.1	265.9	290.2	322.1	356.0	405.1	455.8	32.5°
35°	176.2	176.2	182.8	189.4	203.1	219.3	240.6	268.9	308.9	354.5	405.1	35°
37.5°	152.4	156.0	160.0	166.6	177.2	189.9	208.6	233.5	264.9	308.4	355.0	37.5°
40°	144.8	146.9	150.4	156.5	165.6	177.2	190.9	209.7	234.0	268.9	311.4	40°
42.5°	141.8	142.3	144.3	148.9	157.0	168.6	182.8	199.5	217.8	242.6	279.5	42.5°
45°	138.8	138.3	139.3	142.8	149.4	162.6	178.8	197.0	215.2	236.0	266.4	45°
47.5°	136.2	136.2	136.2	137.7	143.8	157.0	175.7	197.0	218.8	242.1	271.9	47.5°
50°	129.1	128.6	128.6	129.6	134.2	148.4	170.7	196.5	224.9	255.2	289.2	50°
52.5°	121.0	121.0	121.5	122.0	126.1	140.3	165.1	196.5	231.9	272.5	315.0	52.5°
55°	118.5	119.0	119.5	119.0	122.0	134.2	159.0	193.5	235.0	286.1	342.8	55°
57.5°	116.5	117.5	117.5	117.0	119.0	129.1	152.9	187.4	232.4	291.2	362.6	57.5°
60°	113.4	113.4	113.4	111.9	112.9	122.0	143.8	177.8	224.3	286.6	365.6	60°
62.5°	106.9	106.9	105.8	105.3	104.8	111.9	131.7	163.6	209.7	274.5	358.0	62.5°
63°	105.3	104.8	104.8	103.3	103.3	109.9	129.1	161.5	205.6	271.4	355.0	63°
65°	99.8	99.8	99.8	98.8	98.2	103.3	119.0	147.4	189.9	257.3	339.8	65°
67.5°	93.7	94.2	93.2	92.7	92.2	95.2	107.4	129.6	165.6	227.4	311.4	67.5°
70°	85.1	85.6	85.6	85.1	84.6	86.6	94.2	111.4	137.2	189.4	265.4	70°
72.5°	77.5	78.5	78.5	79.5	79.5	81.0	84.1	92.7	109.9	147.9	208.6	72.5°
75°	69.4	69.9	70.9	71.9	70.9	70.4	70.9	77.5	86.1	109.4	148.9	75°
77.5°	62.3	63.8	63.8	63.3	61.8	60.8	60.8	63.8	70.9	83.1	106.3	77.5°
80°	51.7	54.2	54.7	53.2	51.7	51.7	52.7	54.7	59.3	68.4	80.5	80°
82.5°	41.5	44.1	44.6	45.1	44.6	46.1	46.1	46.6	49.1	56.2	65.8	82.5°
85°	31.9	33.9	35.4	36.0	36.5	37.0	36.5	33.9	35.4	40.0	44.6	85°
87.5°	14.2	14.7	13.7	14.2	13.7	14.2	14.7	12.2	11.6	15.7	16.2	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: P181026

NUMBER: ICS-E02-LED-E1-SLL-8030

DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
531.2	531.2	531.2	531.2	531.2	531.2	531.2
525.7	525.7	526.2	525.2	525.2	525.7	524.1
517.6	519.6	519.6	519.6	518.6	519.6	520.1
519.6	521.1	522.1	522.1	521.6	523.6	525.2
522.1	524.7	525.7	525.7	525.7	528.2	531.7
531.7	533.8	535.3	535.3	536.3	539.3	543.4
549.5	552.0	552.0	551.5	554.5	558.1	562.6
569.2	576.3	579.9	579.3	581.9	586.4	591.5
588.0	607.7	616.3	622.4	624.9	631.0	632.5
603.7	636.6	660.4	680.6	690.3	696.3	703.4
598.1	642.6	685.2	726.7	756.1	786.0	798.6
575.3	631.0	686.7	747.5	800.7	853.8	892.3
547.4	614.3	689.2	775.3	859.4	940.9	1005.8
515.5	598.6	694.8	801.2	911.6	1018.4	1112.1
475.5	568.7	681.1	803.7	933.8	1063.5	1185.0
424.9	528.2	649.2	785.5	934.9	1083.2	1228.6
374.2	477.0	608.7	759.1	921.7	1087.8	1255.9
338.8	431.5	567.7	725.7	900.4	1080.7	1269.1
314.5	398.6	531.2	695.3	877.6	1068.0	1271.1
312.5	384.4	507.4	673.0	859.4	1056.9	1271.1
329.7	392.0	499.3	661.9	851.8	1053.4	1272.1
362.1	422.4	514.0	670.5	857.9	1057.9	1276.7
401.1	468.4	553.5	700.4	883.7	1073.1	1286.8
436.5	521.6	620.9	758.1	930.8	1111.6	1315.2
457.3	567.2	692.3	839.1	1011.3	1188.1	1371.9
459.8	592.5	755.6	927.3	1109.1	1275.7	1462.5
457.8	594.5	763.7	944.0	1129.8	1297.5	1493.9
446.7	595.0	786.5	1002.7	1201.7	1389.1	1581.6
418.3	578.8	794.6	1048.8	1292.4	1509.6	1745.1
369.2	532.8	770.8	1049.8	1327.3	1577.0	1848.4
296.8	445.1	668.0	955.1	1235.2	1510.7	1821.6
217.3	327.1	504.9	739.9	1007.8	1257.4	1560.3
144.3	211.7	340.3	527.2	722.7	905.0	1123.2
99.3	131.2	199.0	317.0	442.1	530.7	715.6
72.9	86.6	110.4	162.1	212.7	261.8	373.7
45.6	49.6	55.2	80.0	114.5	154.5	233.0
12.2	12.7	11.6	15.7	24.8	23.8	26.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)