

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: P181215

Luminaire Tested: **ICS-F02-LED-E1-T2-HSS**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181215
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33723)
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-T2-HSS
Description: ICON SITE SMALL LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ HOUSE SIDE SHIELD
Light Source: (14) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2379.6 lumens
Efficiency: N/A
Efficacy: 43.3 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: B0 - U0 - G1

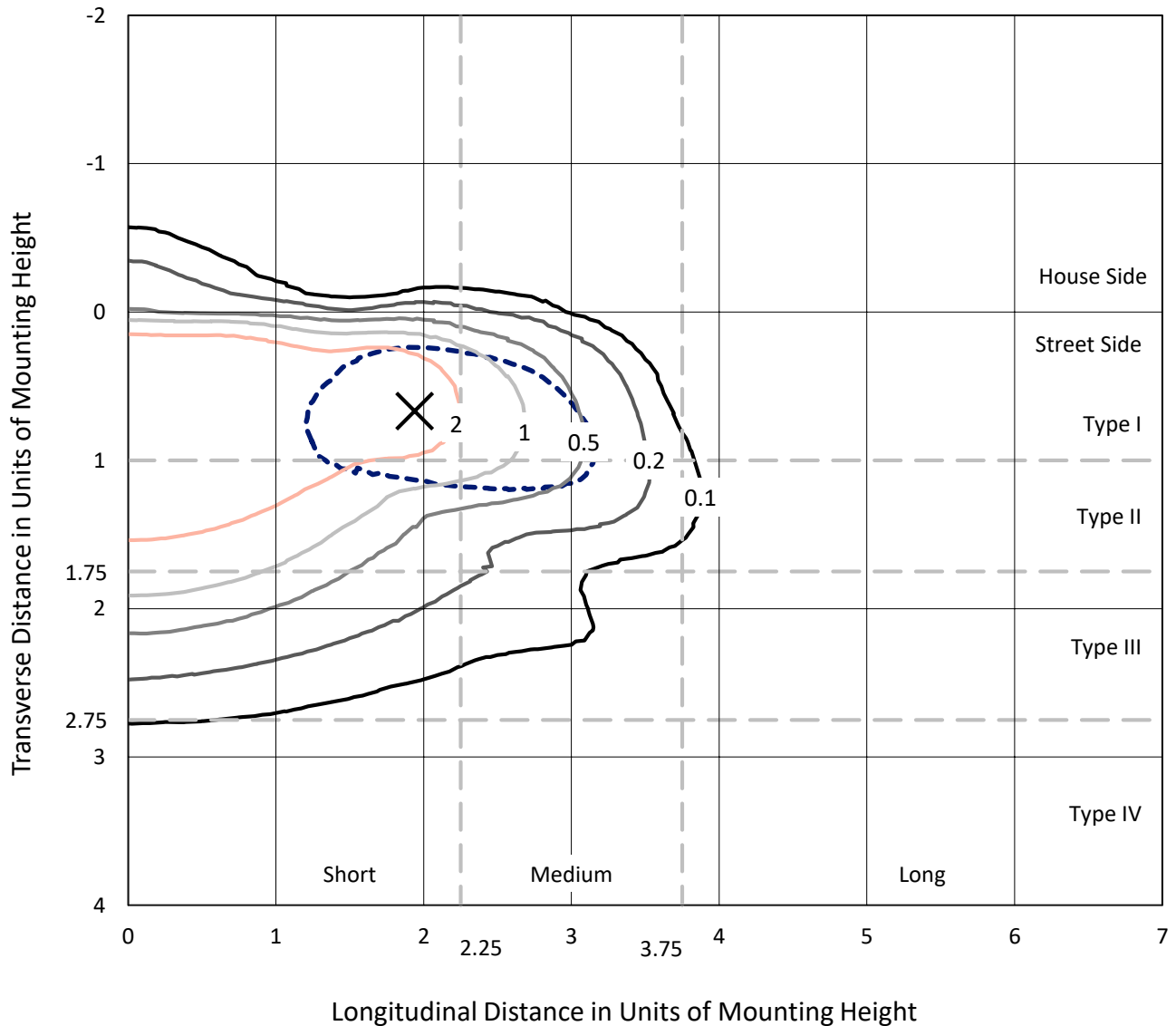
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P181215
 CATALOG NUMBER: ICS-F02-LED-E1-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

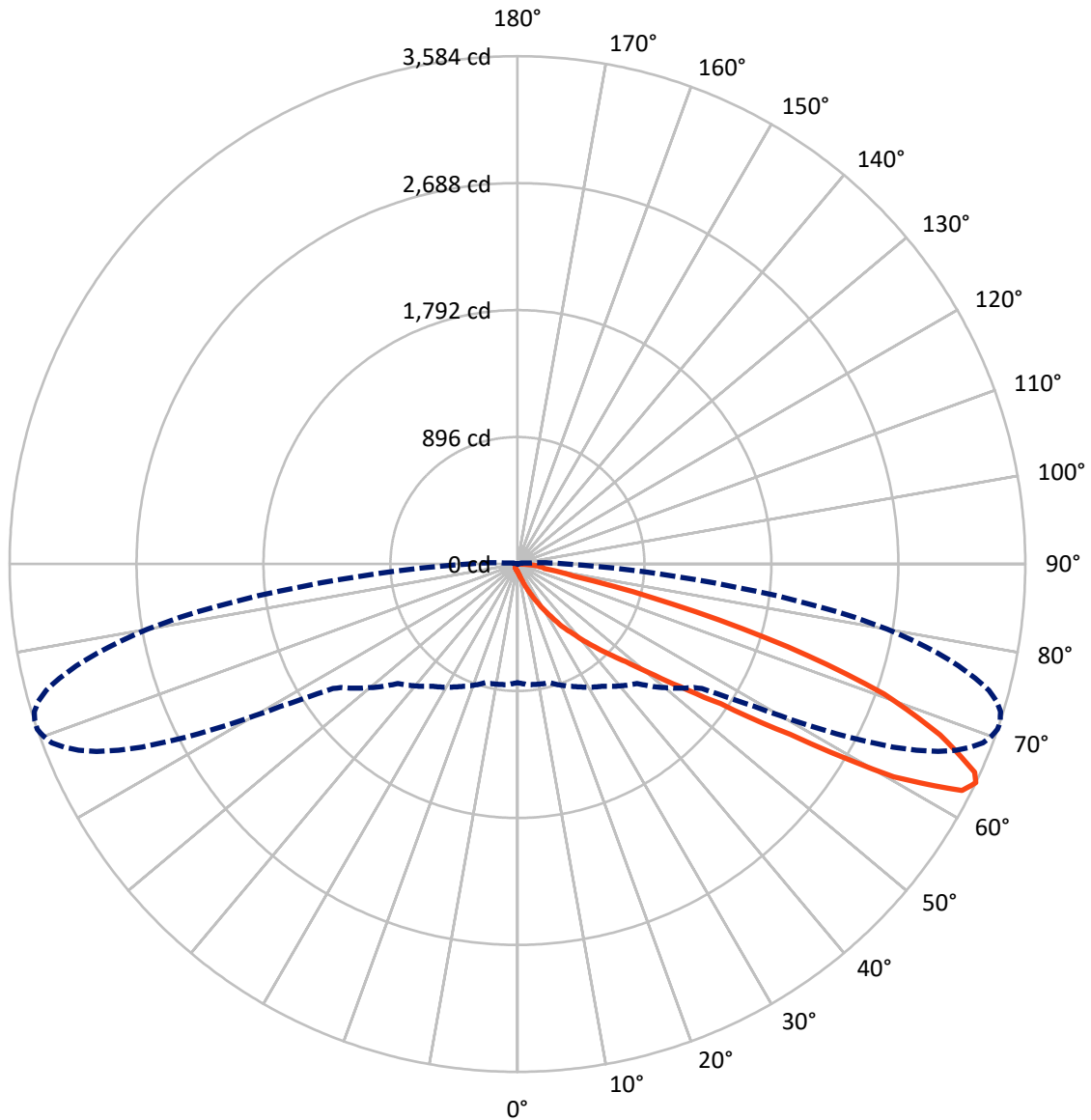
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.6 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P181215
CATALOG NUMBER: ICS-F02-LED-E1-T2-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

REPORT NUMBER: P181215

CATALOG NUMBER: ICS-F02-LED-E1-T2-HSS

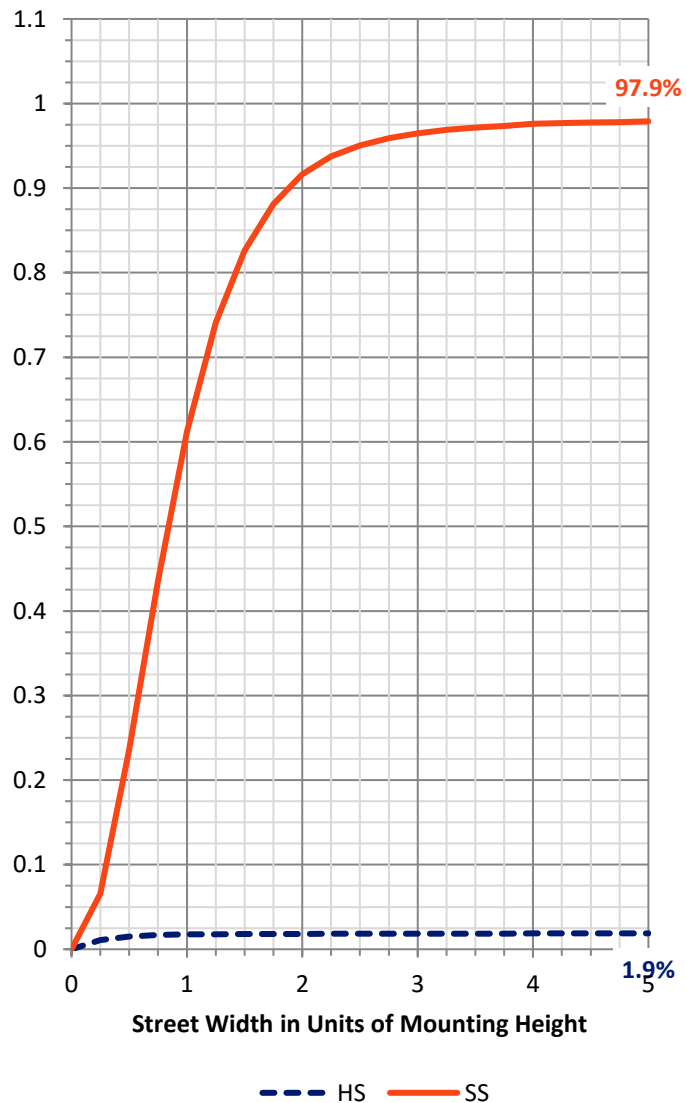
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	45.6	0.0	45.6
	% Fixture	1.9	0.0	1.9
Street Side	Lumens	2334.0	0.0	2334.0
	% Fixture	98.1	0.0	98.1
Total	Lumens	2379.6	0.0	2379.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.3	0.3
10°-20°	43.0	1.8
20°-30°	109.9	4.6
30°-40°	222.3	9.3
40°-50°	406.3	17.1
50°-60°	633.0	26.6
60°-70°	703.6	29.6
70°-80°	229.5	9.6
80°-90°	24.7	1.0
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°	2379.6	100.0
0°-180°	2379.6	100.0



REPORT NUMBER: P181215

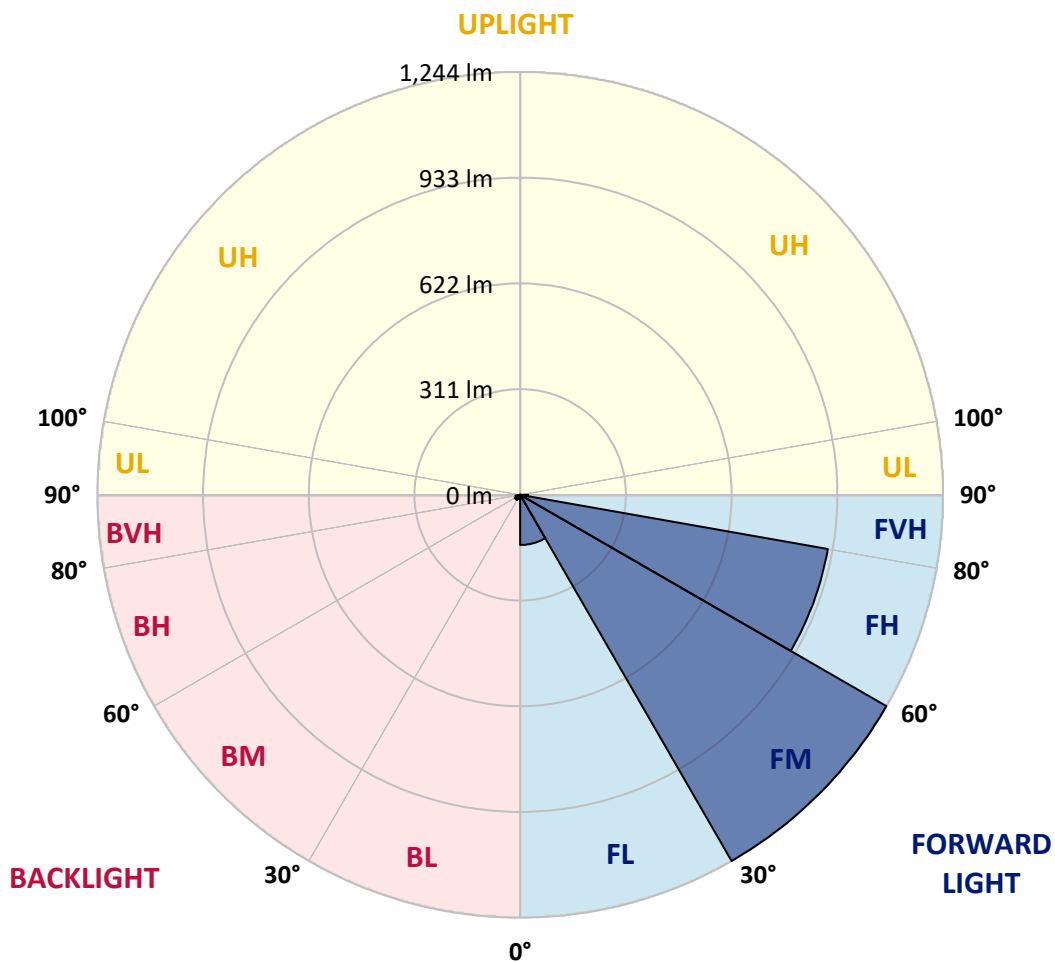
CATALOG NUMBER: ICS-F02-LED-E1-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	147.5	6.2			
FM	(30°-60°)	1244.0	52.3			
FH	(60°-80°)	919.0	38.6			G1/1800
FVH	(80°-90°)	23.5	1.0			G1/100
BL	(0°-30°)	12.7	0.5	B0/110		
BM	(30°-60°)	17.6	0.7	B0/220		
BH	(60°-80°)	14.1	0.6	B0/110		G0/110
BVH	(80°-90°)	1.2	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Short





REPORT NUMBER: P181215

CATALOG NUMBER: ICS-F02-LED-E1-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
2.5°	71.3	70.3	70.3	68.9	66.9	64.9	62.9	62.4	61.9	61.4	61.4
5°	111.9	108.0	106.5	101.0	94.1	85.7	78.3	76.3	76.3	74.8	73.8
7.5°	175.8	173.9	163.5	158.0	141.7	121.4	100.1	98.1	97.6	95.6	92.6
10°	257.6	253.6	246.2	230.3	200.6	165.4	135.2	130.3	126.8	122.8	118.9
12.5°	339.3	334.4	323.5	297.7	268.0	222.9	174.4	169.9	164.5	159.0	152.6
15°	421.0	417.6	400.7	375.0	336.3	282.3	220.9	213.0	208.5	197.6	192.7
17.5°	491.9	487.4	474.0	444.8	404.7	345.3	272.4	262.5	255.1	248.7	236.8
20°	553.3	548.8	536.0	511.7	466.6	408.2	327.9	323.0	309.6	299.7	292.7
22.5°	590.9	589.5	581.0	557.8	517.6	465.6	391.3	383.4	374.5	361.1	353.2
25°	614.2	612.7	607.8	591.4	564.2	526.1	461.2	451.3	443.3	431.4	421.5
27.5°	638.5	637.5	633.5	619.2	604.8	581.0	532.0	526.5	509.2	502.3	492.9
30°	678.6	674.2	677.6	670.7	652.4	637.5	603.3	595.4	588.0	576.1	567.7
32.5°	742.5	735.1	742.5	735.1	727.2	709.3	676.6	674.2	666.7	659.3	647.4
35°	820.8	817.8	823.8	830.2	823.8	800.0	760.3	752.9	749.9	738.1	733.6
37.5°	899.5	905.0	915.9	930.3	926.3	909.0	853.0	846.0	840.6	830.2	822.3
40°	984.2	984.7	1008.0	1028.8	1039.2	1028.8	955.0	949.6	942.1	927.3	925.3
42.5°	1076.4	1072.4	1089.8	1113.0	1134.3	1148.7	1089.8	1079.3	1068.9	1052.1	1040.7
45°	1158.1	1158.1	1172.0	1193.8	1226.5	1262.6	1231.9	1221.0	1211.1	1197.2	1184.4
47.5°	1218.5	1219.0	1227.5	1259.2	1310.2	1364.2	1365.2	1367.1	1359.7	1343.4	1343.9
50°	1261.1	1255.7	1267.1	1297.8	1356.7	1441.4	1502.4	1505.8	1511.8	1498.4	1502.4
52.5°	1292.3	1289.9	1297.3	1323.1	1382.0	1485.5	1614.8	1629.7	1638.6	1640.6	1656.9
55°	1276.0	1277.5	1295.3	1332.5	1395.9	1514.8	1710.4	1734.7	1755.5	1773.3	1793.6
57.5°	1222.0	1226.5	1257.7	1315.6	1398.8	1538.5	1812.0	1849.1	1888.2	1935.8	1975.9
60°	1135.8	1146.2	1188.3	1269.6	1370.1	1507.3	1842.2	1899.1	1959.1	2031.4	2112.1
62.5°	1009.5	1011.5	1039.2	1118.0	1228.9	1341.4	1703.5	1776.3	1855.6	1960.1	2073.0
64°	836.6	854.5	867.3	954.0	1053.1	1193.3	1520.2	1570.7	1681.2	1809.5	1951.6
65°	690.5	711.8	722.2	808.9	922.3	1056.1	1360.7	1414.7	1531.1	1661.4	1838.7
67.5°	407.2	392.8	423.0	474.0	569.1	727.7	917.9	959.0	1045.7	1200.7	1342.4
70°	262.5	262.5	290.3	342.3	430.5	551.8	630.6	613.2	631.6	691.5	791.6
72.5°	168.4	177.3	194.2	238.3	320.0	462.6	644.4	562.7	520.1	500.3	499.3
75°	76.8	81.7	100.1	126.3	170.9	301.7	649.9	614.2	575.1	537.4	508.2
77.5°	16.3	18.8	31.7	65.4	83.2	139.2	461.2	514.7	557.3	569.6	569.6
80°	8.4	8.9	13.4	30.7	35.7	47.1	177.8	233.8	288.3	360.1	435.4
82.5°	3.5	4.0	7.9	13.9	14.9	14.4	47.1	59.4	81.7	118.9	177.3
85°	1.0	1.0	3.5	5.4	7.9	6.4	10.4	11.9	15.4	22.3	42.6
87.5°	0.0	0.0	0.5	1.0	1.5	2.5	3.0	3.0	3.0	3.0	3.0
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: P181215

CATALOG NUMBER: ICS-F02-LED-E1-T2-HSS

CANDELA DISTRIBUTION (continued):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
2.5°	60.9	60.9	60.4	59.9	59.9	58.9	58.9	58.5	58.5	58.0	58.0
5°	73.3	72.3	71.3	69.8	69.3	68.4	67.4	66.4	65.4	64.9	63.9
7.5°	91.1	90.2	87.2	85.2	82.7	81.2	79.3	77.8	76.3	75.3	73.3
10°	114.9	111.5	110.0	103.0	101.5	98.1	95.1	93.1	89.2	86.7	84.2
12.5°	148.6	142.2	139.7	127.8	124.3	119.4	115.9	111.0	106.5	103.5	99.1
15°	186.7	181.8	172.4	160.5	154.1	148.6	140.2	136.2	130.3	123.8	117.4
17.5°	232.3	223.4	213.0	197.6	189.7	181.3	173.4	164.9	155.0	149.1	142.2
20°	285.3	275.9	263.0	243.7	234.3	225.9	212.0	206.1	194.2	182.3	173.4
22.5°	343.3	333.9	321.5	299.7	287.3	273.4	262.0	251.6	237.8	225.9	215.5
25°	408.7	397.8	388.3	363.1	347.7	333.4	321.0	302.7	290.8	276.9	262.5
27.5°	483.0	470.1	457.7	430.0	415.6	399.7	384.9	365.6	354.2	331.4	318.0
30°	559.2	543.4	530.5	502.3	489.4	473.1	452.7	435.4	416.1	400.7	378.9
32.5°	639.5	626.6	616.2	586.5	570.1	549.8	531.5	513.2	496.3	471.6	451.8
35°	725.2	713.8	702.4	676.6	662.3	646.9	626.1	603.8	580.5	554.8	537.0
37.5°	815.3	806.4	797.5	766.3	749.5	733.1	709.3	687.0	666.2	639.0	608.8
40°	909.9	901.5	887.2	861.4	843.6	828.7	806.9	786.1	757.9	727.7	700.9
42.5°	1028.8	1010.5	998.1	969.9	951.1	934.7	915.4	884.2	860.4	824.2	798.5
45°	1168.0	1150.7	1130.4	1101.6	1078.4	1051.6	1024.4	1003.1	973.3	940.7	907.5
47.5°	1324.5	1310.7	1286.9	1258.7	1235.4	1208.6	1176.4	1149.2	1113.0	1074.9	1029.8
50°	1496.9	1482.6	1466.7	1435.0	1411.7	1386.5	1361.2	1329.0	1296.3	1250.7	1204.2
52.5°	1656.9	1659.9	1650.5	1635.6	1624.2	1598.0	1574.7	1544.0	1515.3	1473.6	1437.5
55°	1814.9	1840.7	1850.6	1865.0	1869.9	1848.6	1848.1	1803.0	1785.7	1761.4	1740.6
57.5°	2023.5	2080.4	2125.5	2212.7	2249.3	2286.5	2293.4	2261.7	2294.4	2252.3	2266.7
60°	2200.8	2305.3	2417.3	2642.6	2755.6	2840.8	2909.1	2959.7	2992.4	3047.8	3050.8
62.5°	2216.7	2381.1	2551.5	2880.4	3035.0	3164.2	3287.6	3373.8	3442.1	3505.0	3520.4
64°	2140.9	2344.5	2551.5	2949.3	3107.3	3250.9	3363.4	3449.1	3518.9	3558.0	3583.8
65°	2003.2	2231.0	2469.3	2903.7	3066.7	3219.2	3326.7	3412.9	3478.8	3517.9	3544.7
67.5°	1484.0	1704.5	1943.7	2449.5	2706.1	2845.7	2983.4	3104.3	3157.3	3206.8	3216.3
70°	904.5	1064.5	1229.4	1698.5	1936.8	2187.9	2343.0	2519.8	2643.6	2719.9	2745.2
72.5°	545.9	601.3	699.9	952.0	1180.4	1356.7	1571.2	1740.1	1878.8	1955.6	1994.2
75°	485.9	479.0	491.9	596.9	678.1	784.1	861.9	967.9	1053.6	1080.3	1130.4
77.5°	561.7	541.9	521.6	501.8	497.8	487.9	472.1	476.0	438.4	402.2	403.2
80°	500.3	547.8	576.1	555.3	508.2	460.7	402.2	329.4	257.6	213.0	194.2
82.5°	251.1	357.1	459.2	560.2	553.3	511.2	446.8	367.0	284.3	218.4	174.4
85°	77.3	137.2	193.2	268.5	311.6	305.6	268.5	261.0	186.2	145.1	111.9
87.5°	3.5	3.5	3.5	3.0	3.5	3.5	3.5	4.0	4.0	4.5	4.5
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: P181215

CATALOG NUMBER: ICS-F02-LED-E1-T2-HSS

CANDELA DISTRIBUTION (continued):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
2.5°	58.0	57.5	57.0	56.5	56.5	56.5	56.0	56.0	55.5	55.5	55.0
5°	63.9	62.9	62.4	61.4	61.4	60.4	59.9	59.4	58.5	58.0	57.5
7.5°	71.8	70.8	69.3	67.9	67.4	65.9	64.4	63.4	62.4	61.4	60.4
10°	82.2	80.2	77.3	75.3	73.8	71.8	69.8	68.4	66.4	64.4	63.4
12.5°	95.6	91.6	88.7	85.2	82.2	79.3	75.8	73.8	71.8	68.9	66.9
15°	111.0	107.0	103.5	97.6	92.6	88.7	85.7	81.2	77.8	73.8	70.8
17.5°	137.2	126.8	119.9	113.9	109.0	101.5	95.6	90.6	86.2	81.2	77.8
20°	163.0	154.1	144.6	137.7	126.8	120.4	112.4	105.5	97.6	91.6	85.7
22.5°	200.6	189.2	177.3	166.9	152.1	143.2	132.8	123.8	113.9	104.0	97.6
25°	248.2	231.3	215.5	200.6	186.7	173.4	160.0	145.6	135.2	123.3	112.4
27.5°	298.2	279.4	264.0	244.7	226.9	210.5	193.7	178.3	160.5	145.1	132.3
30°	361.1	335.3	317.5	294.2	276.4	253.6	232.8	212.5	190.7	172.9	154.5
32.5°	425.0	407.7	377.5	357.6	330.9	303.6	281.8	258.6	231.8	208.5	186.2
35°	509.2	479.5	454.2	426.5	397.3	369.0	340.8	307.6	280.4	251.6	224.4
37.5°	583.5	553.3	524.1	487.9	454.7	425.0	390.8	356.2	324.0	289.8	257.1
40°	669.7	632.1	597.4	563.7	522.6	487.4	451.8	408.7	371.5	333.9	295.2
42.5°	763.8	725.7	684.6	645.9	600.8	557.8	513.7	470.6	429.0	383.4	338.3
45°	866.8	826.7	780.7	736.6	687.5	640.0	587.5	537.9	488.9	437.9	385.9
47.5°	994.6	943.1	900.5	845.5	784.6	734.6	670.2	613.7	557.8	498.3	439.9
50°	1160.1	1101.6	1040.2	979.3	911.9	848.5	777.2	710.3	635.5	569.1	502.3
52.5°	1379.5	1335.9	1264.6	1194.8	1112.5	1031.8	933.7	847.0	750.9	666.2	584.5
55°	1691.1	1662.4	1600.4	1524.2	1452.3	1334.5	1221.5	1086.8	962.0	840.1	725.2
57.5°	2255.3	2224.1	2155.2	2136.9	2026.4	1939.8	1807.5	1633.1	1421.6	1235.4	1049.6
60°	3067.7	3006.7	2939.4	2927.0	2797.2	2706.1	2574.8	2389.0	2189.9	1892.7	1639.6
62.5°	3521.4	3503.1	3448.6	3381.7	3269.3	3134.0	2986.4	2806.6	2604.5	2344.0	2042.8
64°	3582.3	3565.5	3518.4	3443.1	3330.2	3195.9	3032.5	2853.2	2650.6	2412.8	2137.9
65°	3544.2	3520.4	3480.3	3410.9	3305.9	3177.1	3012.7	2830.9	2625.3	2396.5	2140.9
67.5°	3236.6	3225.7	3189.0	3124.6	3058.7	2942.8	2798.2	2635.7	2467.8	2240.9	2031.4
70°	2748.2	2740.2	2693.7	2667.9	2558.9	2485.6	2368.7	2240.9	2092.3	1934.3	1756.0
72.5°	2037.3	2010.6	1972.9	1933.8	1860.0	1759.5	1668.3	1532.1	1455.3	1322.1	1221.5
75°	1080.3	1063.5	1005.0	923.3	832.2	785.1	690.5	605.8	538.4	508.2	435.4
77.5°	373.5	340.3	307.6	271.0	215.0	169.4	135.2	108.0	85.2	75.3	62.9
80°	186.2	176.8	166.4	145.6	122.3	98.6	77.3	60.9	50.0	42.6	38.1
82.5°	151.1	133.7	119.4	104.5	83.7	68.9	54.5	44.6	36.7	32.2	28.2
85°	89.2	68.4	52.0	47.1	36.7	31.7	27.2	23.3	19.8	18.8	17.3
87.5°	3.5	4.5	4.5	3.5	4.5	4.0	4.0	3.5	3.5	3.5	3.5
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: P181215

CATALOG NUMBER: ICS-F02-LED-E1-T2-HSS

CANDELA DISTRIBUTION (continued):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
2.5°	55.0	54.5	54.5	54.0	53.5	53.5	53.5	53.0	52.0	50.0	48.5
5°	57.0	56.5	56.0	55.0	54.5	54.0	53.5	53.5	51.0	47.6	45.1
7.5°	59.4	58.5	57.5	56.5	56.0	55.0	54.0	53.5	50.0	45.6	43.1
10°	61.9	60.4	58.9	58.5	57.0	56.0	54.5	53.5	49.5	44.1	40.6
12.5°	64.9	62.9	60.9	59.4	57.5	56.5	55.0	53.5	48.5	42.6	38.6
15°	68.4	65.4	62.9	61.4	59.4	57.0	55.0	53.5	47.6	41.1	36.7
17.5°	72.8	69.3	66.4	63.4	60.4	58.0	56.0	54.0	46.1	39.1	34.2
20°	79.8	75.3	70.3	66.9	62.9	59.9	56.5	54.0	45.1	37.2	32.2
22.5°	89.2	82.2	76.8	70.8	65.9	61.9	58.0	55.0	43.6	35.2	29.7
25°	102.5	93.6	84.7	77.3	70.8	65.4	60.4	56.5	42.6	33.7	28.2
27.5°	117.4	107.0	95.1	86.2	77.3	69.3	63.9	58.9	42.6	32.7	26.7
30°	138.2	123.3	109.0	97.6	85.7	76.8	68.9	62.4	42.6	32.2	25.3
32.5°	163.5	146.6	128.3	111.9	98.1	85.2	75.3	66.9	43.6	31.2	24.3
35°	198.6	173.9	152.1	131.8	113.4	98.6	85.7	74.3	45.1	30.7	22.8
37.5°	226.4	196.7	168.9	145.6	124.3	106.0	89.7	77.3	43.6	28.7	21.3
40°	259.6	225.9	192.2	163.0	138.7	114.9	96.1	81.2	42.6	26.3	19.3
42.5°	299.7	257.6	218.4	185.3	155.0	126.8	104.5	86.2	42.6	24.8	17.8
45°	337.3	291.3	247.7	206.1	170.9	139.7	112.4	91.6	42.1	23.3	15.9
47.5°	383.9	329.4	278.4	230.3	189.7	151.6	120.9	96.6	41.6	21.8	14.4
50°	438.9	372.5	315.0	257.6	208.0	165.9	130.8	102.0	40.6	20.3	12.9
52.5°	499.8	428.5	355.2	288.8	230.8	181.3	140.2	107.0	39.1	18.8	11.4
55°	607.8	509.7	423.0	340.8	265.5	204.1	154.1	114.4	37.6	17.3	9.9
57.5°	866.8	704.4	581.5	457.7	349.7	262.0	191.7	135.7	35.7	15.4	7.9
60°	1361.2	1093.2	884.7	694.0	529.0	402.2	282.3	200.6	38.1	12.9	6.9
62.5°	1746.1	1438.0	1172.5	933.2	724.7	550.8	411.1	299.7	55.0	11.4	5.4
64°	1846.6	1534.6	1251.2	1000.6	783.6	604.3	458.7	338.8	70.8	11.4	5.0
65°	1861.5	1564.3	1279.5	1025.4	803.9	618.7	472.6	351.7	77.3	11.9	4.5
67.5°	1800.1	1547.0	1287.9	1035.8	819.3	638.5	491.4	372.0	87.2	11.4	3.5
70°	1572.2	1386.0	1173.0	968.9	772.7	606.8	472.6	360.6	91.1	10.9	3.0
72.5°	1069.9	941.6	815.8	671.2	537.9	443.3	344.8	254.1	63.9	8.9	2.5
75°	356.6	347.7	311.1	235.8	198.1	161.0	128.8	99.1	24.3	5.4	2.5
77.5°	59.4	51.0	44.6	42.6	35.7	34.7	30.2	24.3	10.4	3.5	2.5
80°	34.7	31.7	27.7	24.8	21.8	19.3	16.3	13.9	6.4	2.5	3.0
82.5°	25.8	22.8	20.3	17.8	15.4	13.4	11.4	9.4	3.5	2.5	3.0
85°	14.9	12.9	11.4	9.9	7.9	6.9	5.9	5.0	2.5	2.5	2.5
87.5°	3.0	3.0	2.5	2.5	2.5	2.5	2.5	2.0	2.5	2.5	2.0
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: P181215

CATALOG NUMBER: ICS-F02-LED-E1-T2-HSS

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	53.0	53.0	53.0	53.0	53.0	53.0	53.0
2.5°	47.6	46.1	45.6	45.6	45.6	45.6	45.6
5°	43.6	42.1	41.1	40.6	40.6	40.6	40.6
7.5°	40.6	38.6	37.6	36.7	36.7	36.2	36.2
10°	37.6	35.7	34.2	33.2	32.7	32.7	32.7
12.5°	35.2	33.2	31.2	30.2	30.2	29.7	29.7
15°	33.2	30.2	28.7	27.7	27.7	27.2	27.2
17.5°	30.7	28.2	26.7	25.8	25.3	25.3	25.3
20°	28.2	25.8	24.3	23.8	23.3	23.3	22.8
22.5°	26.3	23.8	22.3	21.8	21.3	21.3	20.8
25°	24.3	21.8	20.3	19.8	19.3	18.8	18.8
27.5°	22.8	20.3	18.8	17.8	17.3	16.8	16.8
30°	21.3	18.3	16.8	15.9	15.4	14.9	14.9
32.5°	19.8	16.8	14.9	13.9	13.4	12.9	12.9
35°	17.8	14.9	12.9	12.4	11.9	11.4	10.9
37.5°	16.3	12.9	11.4	10.4	9.9	9.4	9.4
40°	14.4	11.4	9.9	8.9	7.9	7.4	7.4
42.5°	12.9	9.9	8.4	6.9	6.4	5.9	5.9
45°	11.4	8.9	6.9	5.4	5.0	4.5	4.5
47.5°	9.9	7.4	5.4	4.5	4.0	3.5	3.5
50°	8.4	5.9	4.0	3.0	3.5	3.0	3.0
52.5°	7.4	4.5	3.0	3.0	3.0	3.0	3.0
55°	5.9	3.5	2.5	2.5	3.0	3.0	3.0
57.5°	5.0	2.5	2.0	2.5	2.5	2.5	2.5
60°	3.5	2.0	2.0	2.5	2.5	2.5	2.5
62.5°	3.0	2.0	2.0	2.0	2.5	2.5	2.5
64°	2.5	2.0	2.0	2.0	2.5	2.5	2.5
65°	2.5	2.0	2.0	2.0	2.5	2.5	2.5
67.5°	2.5	2.0	2.0	2.0	2.5	2.5	2.5
70°	2.0	2.0	2.0	2.0	2.5	2.5	2.5
72.5°	2.0	2.0	2.0	2.0	2.5	2.5	2.5
75°	2.0	2.0	2.0	2.0	2.5	2.5	2.5
77.5°	2.0	2.0	2.0	2.5	2.5	2.5	2.5
80°	2.0	2.0	2.0	2.5	2.5	2.5	2.5
82.5°	2.0	2.0	2.0	2.5	2.5	2.5	2.5
85°	2.0	2.0	2.0	2.5	2.5	2.5	2.5
87.5°	2.0	2.0	2.0	2.5	2.5	2.5	2.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)