

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: P181582

Luminaire Tested: **ICS-F01-LED-E1-T4-HSS-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181582
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33725)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICS-F01-LED-E1-T4-HSS-8030
Description: ICON SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ HOUSE SIDE SHIELD
Light Source: (7) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1212.8 lumens
Efficiency: N/A
Efficacy: 46.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G1

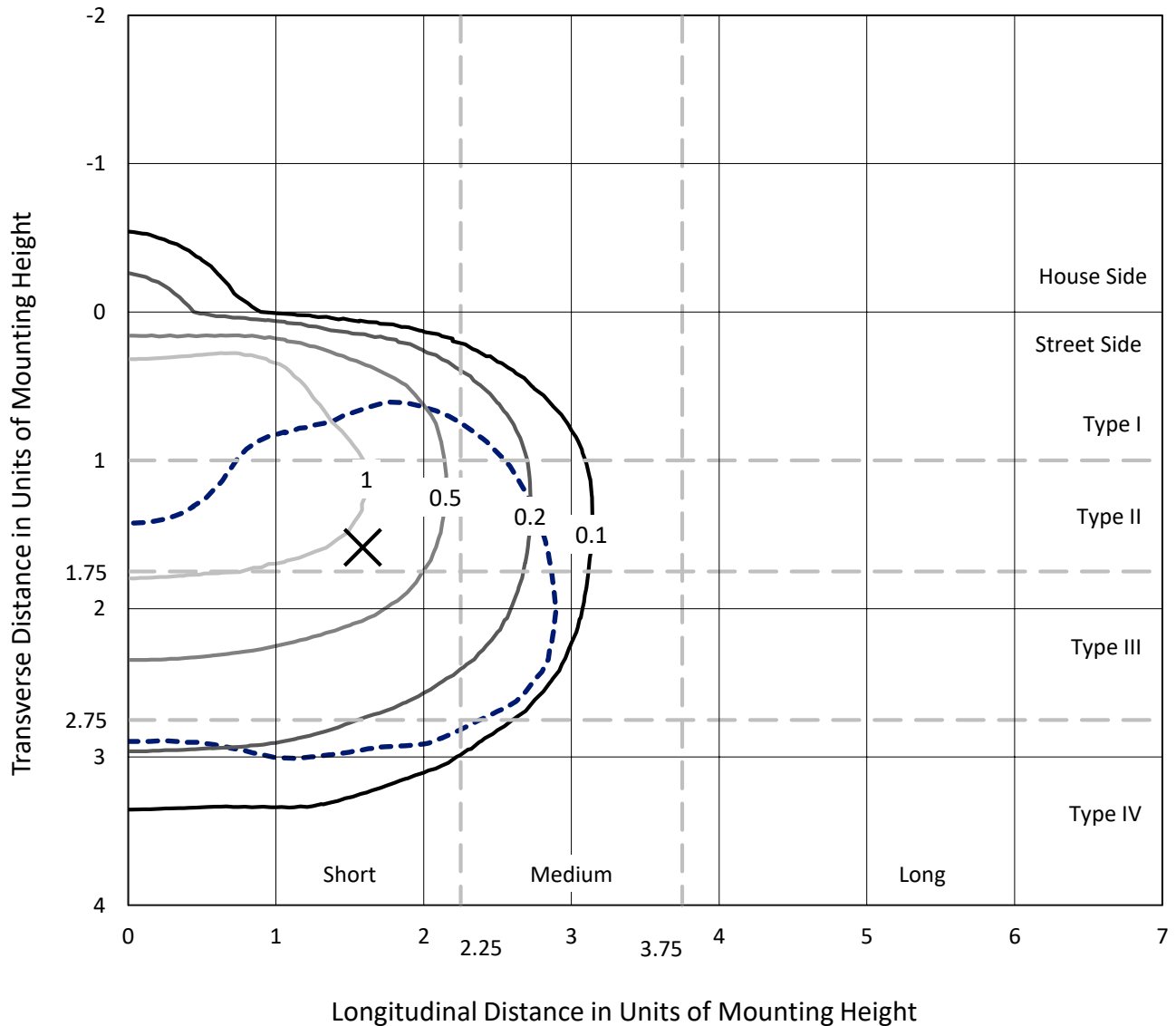
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P181582
 CATALOG NUMBER: ICS-F01-LED-E1-T4-HSS-8030

Iso-Footcandle Lines of Horizontal Illumination

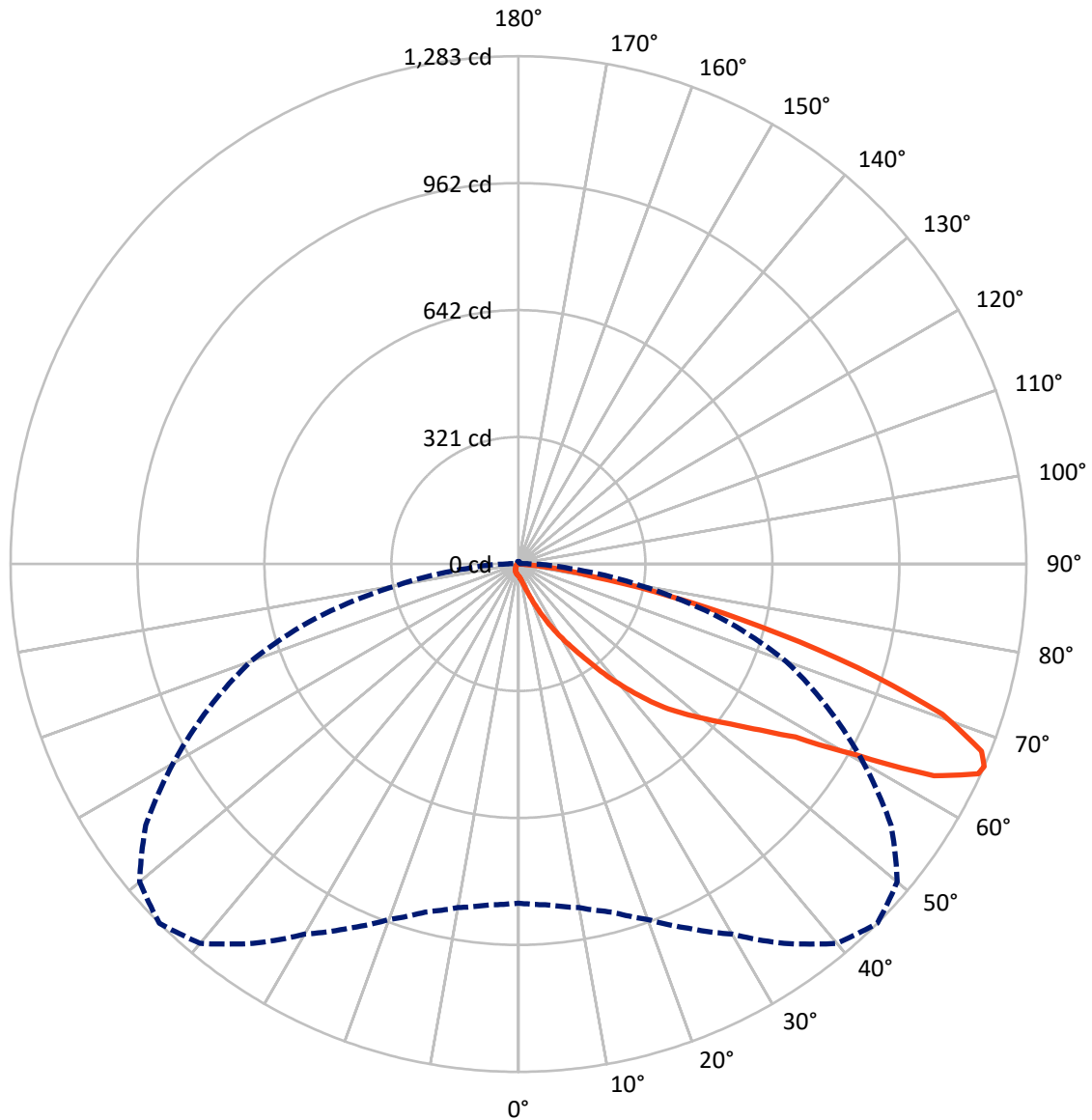
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.9 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P181582
CATALOG NUMBER: ICS-F01-LED-E1-T4-HSS-8030

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

REPORT NUMBER: P181582

CATALOG NUMBER: ICS-F01-LED-E1-T4-HSS-8030

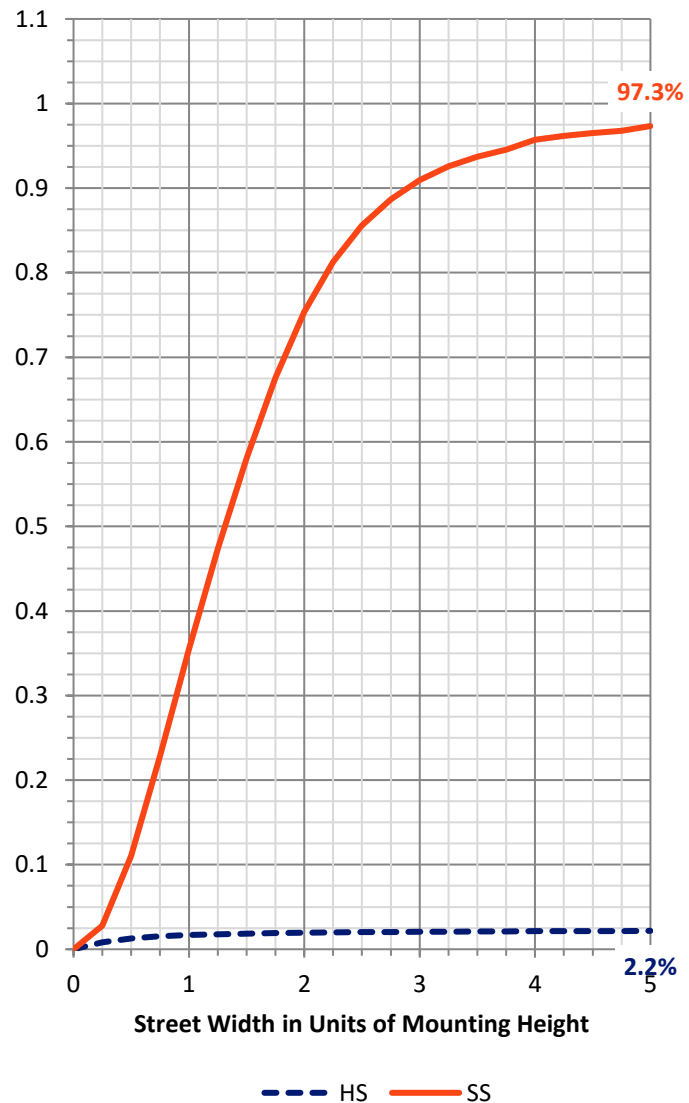
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	27.5	0.0	27.5
	% Fixture	2.3	0.0	2.3
Street Side	Lumens	1185.3	0.0	1185.3
	% Fixture	97.7	0.0	97.7
Total	Lumens	1212.8	0.0	1212.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.1	0.3
10°-20°	12.4	1.0
20°-30°	36.2	3.0
30°-40°	84.6	7.0
40°-50°	159.0	13.1
50°-60°	263.5	21.7
60°-70°	418.2	34.5
70°-80°	216.3	17.8
80°-90°	19.5	1.6
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°	1212.8	100.0
0°-180°	1212.8	100.0



REPORT NUMBER: P181582

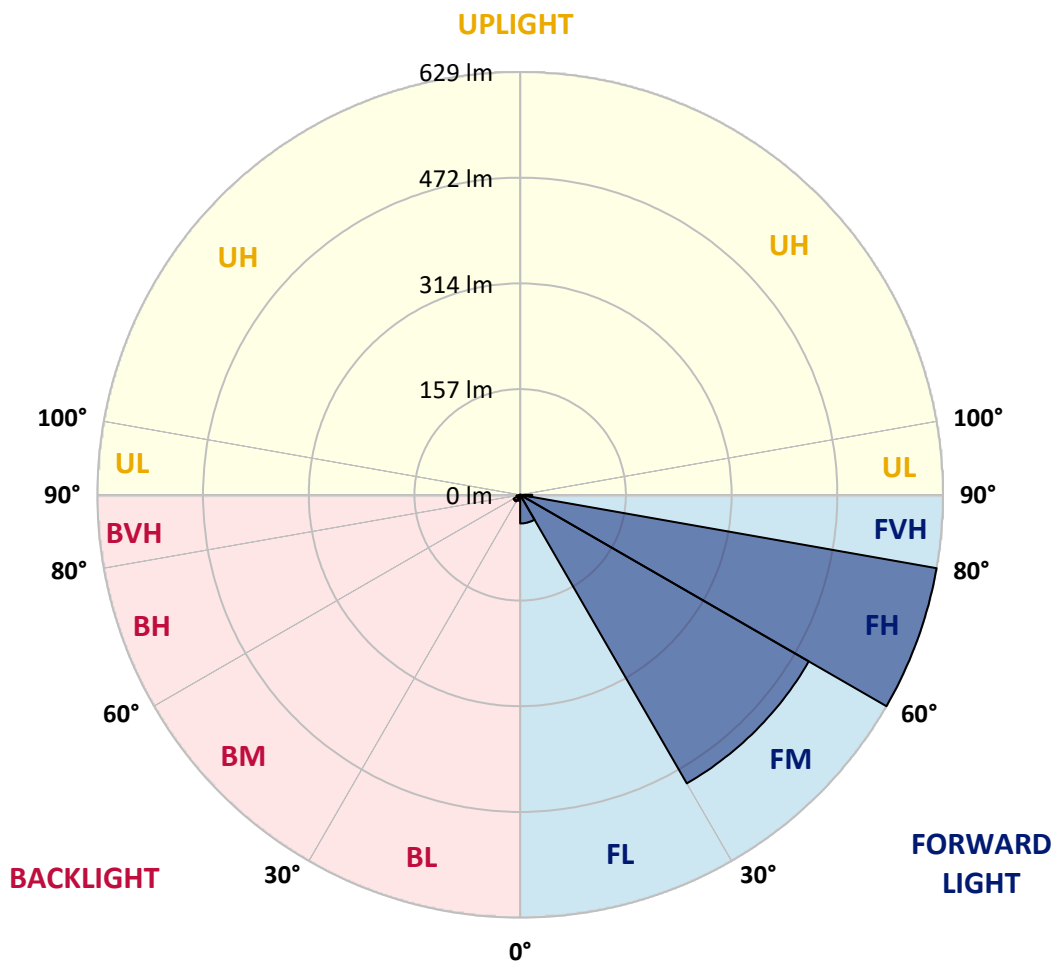
CATALOG NUMBER: ICS-F01-LED-E1-T4-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	42.7	3.5			
FM	(30°-60°)	495.7	40.9			
FH	(60°-80°)	629.0	51.9			G0/660
FVH	(80°-90°)	18.0	1.5			G1/100
BL	(0°-30°)	9.0	0.7	B0/110		
BM	(30°-60°)	11.4	0.9	B0/220		
BH	(60°-80°)	5.6	0.5	B0/110		G0/110
BVH	(80°-90°)	1.5	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 IV Short





REPORT NUMBER: P181582
 CATALOG NUMBER: ICS-F01-LED-E1-T4-HSS-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3
2.5°	32.8	32.8	32.8	32.8	32.6	32.4	32.2	32.0	31.8	31.8	31.6
5°	37.2	37.4	37.2	37.0	36.6	36.4	35.7	35.3	34.7	34.5	33.9
7.5°	43.3	43.1	43.3	42.6	41.8	41.6	40.8	39.7	38.9	37.6	36.8
10°	52.0	51.8	52.0	50.8	49.5	48.5	47.0	45.8	43.9	42.4	40.8
12.5°	66.1	66.1	65.6	64.0	62.3	60.0	57.7	55.0	51.6	48.7	46.0
15°	87.6	86.5	84.7	83.6	80.7	77.1	74.6	69.2	64.4	59.8	54.3
17.5°	113.5	111.4	110.0	107.7	103.9	99.3	95.1	87.2	82.4	74.8	67.1
20°	143.2	140.7	140.3	136.7	132.7	127.7	121.7	112.3	104.1	94.7	83.8
22.5°	173.5	173.9	172.2	169.7	165.8	159.9	150.5	141.9	131.9	120.0	106.0
25°	207.4	207.2	205.7	202.8	199.8	192.5	185.0	176.8	164.9	149.7	132.9
27.5°	239.1	238.9	235.4	235.6	229.9	227.2	219.9	211.1	196.7	183.9	165.8
30°	272.4	270.3	268.0	266.3	262.3	257.5	253.8	243.3	232.4	217.4	202.6
32.5°	306.0	303.7	304.4	302.3	299.1	294.3	288.7	280.1	268.4	253.8	240.0
35°	347.2	346.2	344.5	345.1	344.5	340.9	336.1	324.8	312.1	298.1	283.9
37.5°	377.7	376.7	377.7	382.1	383.2	385.5	381.9	376.3	367.1	351.8	337.0
40°	405.9	406.1	411.0	416.4	420.2	427.7	428.9	426.6	419.3	405.3	385.9
42.5°	431.2	434.4	438.8	447.7	455.9	466.6	474.5	475.8	470.3	461.1	441.5
45°	459.5	462.2	469.1	479.7	491.0	504.2	516.9	523.6	523.2	516.7	495.6
47.5°	491.0	494.6	502.1	510.9	525.9	540.8	557.3	569.2	574.2	565.2	544.7
50°	529.3	530.7	537.2	548.5	562.3	579.4	597.4	614.8	624.6	616.2	595.1
52.5°	574.6	575.0	581.1	591.6	602.6	621.5	639.0	663.0	675.8	671.2	645.9
55°	636.9	635.7	639.8	648.8	657.8	676.0	693.6	720.7	739.3	739.8	712.8
57.5°	722.0	719.1	721.8	728.9	738.9	755.9	778.0	802.1	826.9	825.3	803.1
60°	840.5	839.5	844.5	856.4	873.5	891.1	916.2	948.6	970.5	978.1	954.9
62.5°	919.3	922.2	933.7	952.1	985.2	1021.5	1068.2	1117.7	1159.5	1178.3	1146.3
65°	885.5	890.3	908.2	935.4	979.1	1033.7	1095.5	1176.9	1249.0	1277.6	1244.4
66°	856.8	864.6	881.5	910.3	955.9	1015.5	1080.1	1170.0	1251.1	1283.2	1249.4
67.5°	807.3	812.7	831.9	863.9	912.8	971.8	1041.6	1136.5	1228.1	1262.1	1228.5
70°	706.3	708.4	724.1	751.3	789.1	849.5	912.8	1004.2	1088.4	1136.3	1099.5
72.5°	525.7	528.6	554.6	604.1	653.2	687.5	724.9	798.1	852.4	897.2	890.1
75°	252.9	254.2	271.5	343.9	439.6	480.6	515.3	571.9	592.6	630.0	624.4
77.5°	160.3	163.0	174.3	191.9	246.2	294.9	322.3	354.7	360.8	392.4	374.0
80°	44.1	51.2	62.5	92.0	157.8	188.1	200.5	199.2	200.5	190.8	184.6
82.5°	9.0	8.8	10.7	16.5	69.6	109.5	118.3	100.8	100.1	96.4	99.5
85°	2.3	2.1	2.5	5.2	11.9	32.4	40.8	22.8	17.3	16.5	14.6
87.5°	0.6	0.6	0.6	1.0	1.3	1.7	2.3	1.7	1.3	1.3	1.3
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: P181582

CATALOG NUMBER: ICS-F01-LED-E1-T4-HSS-8030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3
2.5°	31.4	31.4	31.1	30.9	30.9	30.7	30.5	30.3	30.1	29.9	29.7
5°	33.2	32.8	32.2	31.8	31.4	30.7	30.3	29.9	29.5	29.3	28.8
7.5°	35.7	34.7	33.9	32.6	31.8	30.9	30.1	29.5	28.8	28.4	28.0
10°	38.9	37.2	35.5	33.9	32.4	31.1	29.9	28.8	28.2	27.6	27.2
12.5°	42.9	40.3	38.0	35.5	33.2	31.4	29.7	28.4	27.6	27.0	26.3
15°	49.3	45.4	41.4	37.6	34.7	31.8	29.5	28.0	27.0	26.3	25.7
17.5°	59.6	52.5	46.2	41.0	36.2	32.4	29.5	27.6	26.3	25.5	24.9
20°	74.4	62.7	52.7	45.2	38.9	33.4	29.5	27.0	25.7	24.7	24.0
22.5°	92.0	77.3	63.5	51.0	42.0	34.9	29.5	26.3	24.9	24.0	23.2
25°	117.7	98.2	79.4	61.9	47.2	37.2	30.1	25.9	24.2	23.2	22.4
27.5°	147.8	124.4	101.0	76.3	55.2	40.6	30.9	25.5	23.6	22.4	21.5
30°	182.1	156.1	127.5	95.5	65.6	44.9	32.4	25.3	22.8	21.5	20.5
32.5°	219.3	191.9	160.5	120.2	81.1	51.6	34.3	25.1	21.9	20.5	19.2
35°	263.6	238.1	199.8	154.9	105.1	63.1	38.5	25.5	21.1	19.4	18.0
37.5°	312.1	284.9	244.4	191.7	129.0	76.1	41.6	24.9	19.6	18.0	16.5
40°	361.0	329.9	288.7	230.4	159.3	92.0	45.6	24.2	18.2	16.5	15.1
42.5°	408.7	375.8	331.1	270.1	191.3	110.8	50.6	24.2	17.1	15.1	13.6
45°	458.6	419.1	370.2	308.1	223.0	132.3	57.7	24.0	15.9	13.8	12.1
47.5°	505.9	459.0	402.8	341.6	257.1	155.9	65.8	24.2	14.8	12.5	11.1
50°	550.6	496.9	436.2	371.4	289.7	181.4	75.9	24.5	13.8	11.5	10.0
52.5°	599.5	539.9	472.2	402.2	321.9	207.2	87.6	24.9	12.8	10.5	9.2
55°	660.1	594.1	516.5	439.8	356.0	233.1	98.9	25.3	11.7	9.6	8.4
57.5°	747.5	672.2	588.4	496.2	401.1	262.5	110.6	26.3	10.9	9.0	7.7
60°	889.6	800.0	703.2	594.5	468.6	302.5	127.5	28.6	9.8	8.2	7.3
62.5°	1060.6	952.8	829.6	697.7	532.2	329.4	138.8	31.1	9.0	7.5	6.9
65°	1146.7	1010.9	868.9	726.6	540.3	321.5	134.2	30.3	7.9	6.7	5.9
66°	1149.3	1007.7	863.5	720.3	532.0	311.9	129.8	29.9	7.7	6.5	5.4
67.5°	1125.4	980.8	834.7	691.9	507.3	293.3	121.9	28.4	7.1	5.9	4.8
70°	1007.7	866.9	732.9	601.0	436.5	247.1	102.2	25.1	6.3	5.2	4.4
72.5°	803.3	688.6	575.7	472.8	339.3	185.4	80.7	20.5	5.4	4.6	3.8
75°	561.0	466.8	380.9	307.5	213.2	111.0	52.3	14.4	4.6	3.8	3.1
77.5°	313.1	248.3	187.7	143.0	85.1	34.7	17.3	7.3	4.0	2.9	2.5
80°	159.3	118.1	89.9	66.3	39.3	18.0	8.8	4.8	3.1	2.3	2.1
82.5°	92.6	67.9	54.1	42.9	27.0	13.6	7.1	3.6	2.1	1.7	1.9
85°	20.7	27.4	23.2	19.6	14.4	8.6	5.0	2.3	1.5	1.5	1.7
87.5°	1.7	2.3	2.1	2.7	2.9	2.7	2.1	1.3	1.0	1.3	1.3
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: P181582

CATALOG NUMBER: ICS-F01-LED-E1-T4-HSS-8030

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3
2.5°	29.5	29.3	29.3	29.1	28.8	28.8	28.8	28.6	28.8	28.8	28.8
5°	28.6	28.4	28.2	28.0	27.8	27.6	27.6	27.4	27.4	27.4	27.6
7.5°	27.8	27.4	27.2	26.8	26.5	26.3	26.3	26.1	26.1	26.1	26.1
10°	26.8	26.3	25.9	25.7	25.5	25.1	25.1	24.9	24.7	24.7	24.7
12.5°	25.9	25.5	25.1	24.7	24.2	24.0	23.8	23.6	23.4	23.4	23.4
15°	25.1	24.5	24.0	23.6	23.2	22.8	22.6	22.4	22.2	21.9	21.9
17.5°	24.2	23.6	23.0	22.6	22.2	21.7	21.5	20.9	20.9	20.7	20.7
20°	23.2	22.6	21.9	21.5	21.1	20.7	20.3	19.9	19.4	19.2	19.2
22.5°	22.4	21.7	21.1	20.5	19.9	19.2	18.8	18.4	18.2	18.0	17.8
25°	21.5	20.7	19.9	19.2	18.6	18.0	17.6	17.1	16.7	16.5	16.5
27.5°	20.5	19.6	18.8	18.0	17.3	16.7	16.3	15.7	15.5	15.3	15.1
30°	19.4	18.4	17.6	16.7	16.1	15.3	14.8	14.4	14.0	14.0	13.8
32.5°	18.2	17.1	16.3	15.5	14.6	14.0	13.6	13.2	13.0	12.5	12.5
35°	16.9	15.9	14.8	14.0	13.4	12.8	12.3	11.9	11.5	11.3	11.3
37.5°	15.5	14.4	13.6	12.8	12.1	11.5	11.1	10.7	10.5	10.2	10.0
40°	13.8	12.8	12.1	11.5	10.9	10.5	9.8	9.4	9.2	9.0	8.8
42.5°	12.3	11.3	10.9	10.5	9.8	9.4	8.8	8.4	7.9	7.7	7.5
45°	11.1	10.2	9.8	9.4	8.8	8.2	7.7	7.3	6.9	6.7	6.7
47.5°	9.8	9.2	8.8	8.4	7.7	7.3	6.7	6.5	6.1	6.1	6.1
50°	9.0	8.4	7.9	7.5	7.1	6.5	6.1	5.9	5.6	5.6	5.9
52.5°	8.4	7.7	7.3	6.9	6.5	6.1	5.6	5.4	5.4	5.6	5.9
55°	7.7	7.1	6.7	6.3	5.9	5.6	5.2	5.2	5.4	5.6	5.9
57.5°	7.3	6.5	6.1	5.9	5.4	5.2	5.2	5.2	5.4	5.6	6.1
60°	6.7	5.9	5.4	5.4	5.0	5.0	5.0	5.2	5.4	5.9	6.1
62.5°	5.9	5.2	5.0	5.0	4.8	4.8	5.0	5.2	5.6	5.9	6.1
65°	5.0	4.6	4.6	4.6	4.6	4.8	5.0	5.2	5.4	5.9	6.1
66°	4.6	4.4	4.4	4.6	4.6	4.8	5.0	5.2	5.4	5.6	5.9
67.5°	4.4	4.2	4.2	4.4	4.6	4.6	4.8	5.2	5.4	5.6	5.6
70°	3.8	3.8	3.8	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6
72.5°	3.3	3.3	3.6	3.8	4.2	4.4	4.6	4.8	5.2	5.4	5.4
75°	2.9	2.9	3.3	3.6	4.0	4.2	4.6	4.8	5.0	5.2	5.2
77.5°	2.5	2.7	3.1	3.6	3.8	4.2	4.4	4.6	4.8	5.0	5.0
80°	2.3	2.7	3.1	3.3	3.6	3.8	4.0	4.4	4.6	4.8	5.0
82.5°	2.3	2.5	2.9	3.1	3.3	3.8	4.0	4.2	4.4	4.6	4.8
85°	1.9	2.3	2.5	2.9	3.1	3.6	3.8	3.8	4.0	4.2	4.4
87.5°	1.5	1.7	1.7	2.1	2.3	2.7	3.1	3.1	3.3	3.6	3.8
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: P181582

CATALOG NUMBER: ICS-F01-LED-E1-T4-HSS-8030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	30.3	30.3	30.3	30.3
2.5°	28.8	29.1	29.1	29.1
5°	27.6	27.6	27.6	27.6
7.5°	26.1	26.1	26.1	26.1
10°	24.7	24.7	24.9	24.7
12.5°	23.4	23.2	23.2	23.2
15°	21.9	21.9	21.7	21.9
17.5°	20.5	20.5	20.3	20.3
20°	19.0	19.0	19.0	19.0
22.5°	17.8	17.6	17.6	17.6
25°	16.3	16.3	16.3	16.3
27.5°	15.1	15.1	15.1	15.1
30°	13.8	13.8	13.6	13.6
32.5°	12.5	12.5	12.5	12.5
35°	11.3	11.3	11.1	11.1
37.5°	9.8	9.8	9.8	9.8
40°	8.6	8.6	8.6	8.6
42.5°	7.5	7.5	7.3	7.3
45°	6.5	6.5	6.5	6.5
47.5°	6.1	6.1	6.1	6.1
50°	5.9	6.1	6.1	6.1
52.5°	6.1	6.1	6.1	6.1
55°	6.1	6.3	6.3	6.3
57.5°	6.1	6.3	6.3	6.5
60°	6.3	6.5	6.5	6.5
62.5°	6.3	6.5	6.5	6.5
65°	6.1	6.3	6.3	6.3
66°	6.1	6.1	6.1	6.3
67.5°	5.9	6.1	6.1	6.1
70°	5.6	5.9	5.9	6.1
72.5°	5.6	5.9	5.9	5.9
75°	5.4	5.4	5.6	5.6
77.5°	5.2	5.2	5.4	5.4
80°	5.0	5.2	5.2	5.2
82.5°	4.8	5.0	5.0	5.0
85°	4.4	4.6	4.6	4.6
87.5°	3.8	3.8	4.0	4.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)