

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: P181383

Luminaire Tested: **ICS-F01-LED-E1-T3-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181383
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33724)
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-T3-HSS-7030
Description: ICON SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD
Light Source: (7) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1106.4 lumens
Efficiency: N/A
Efficacy: 42.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 25.9
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



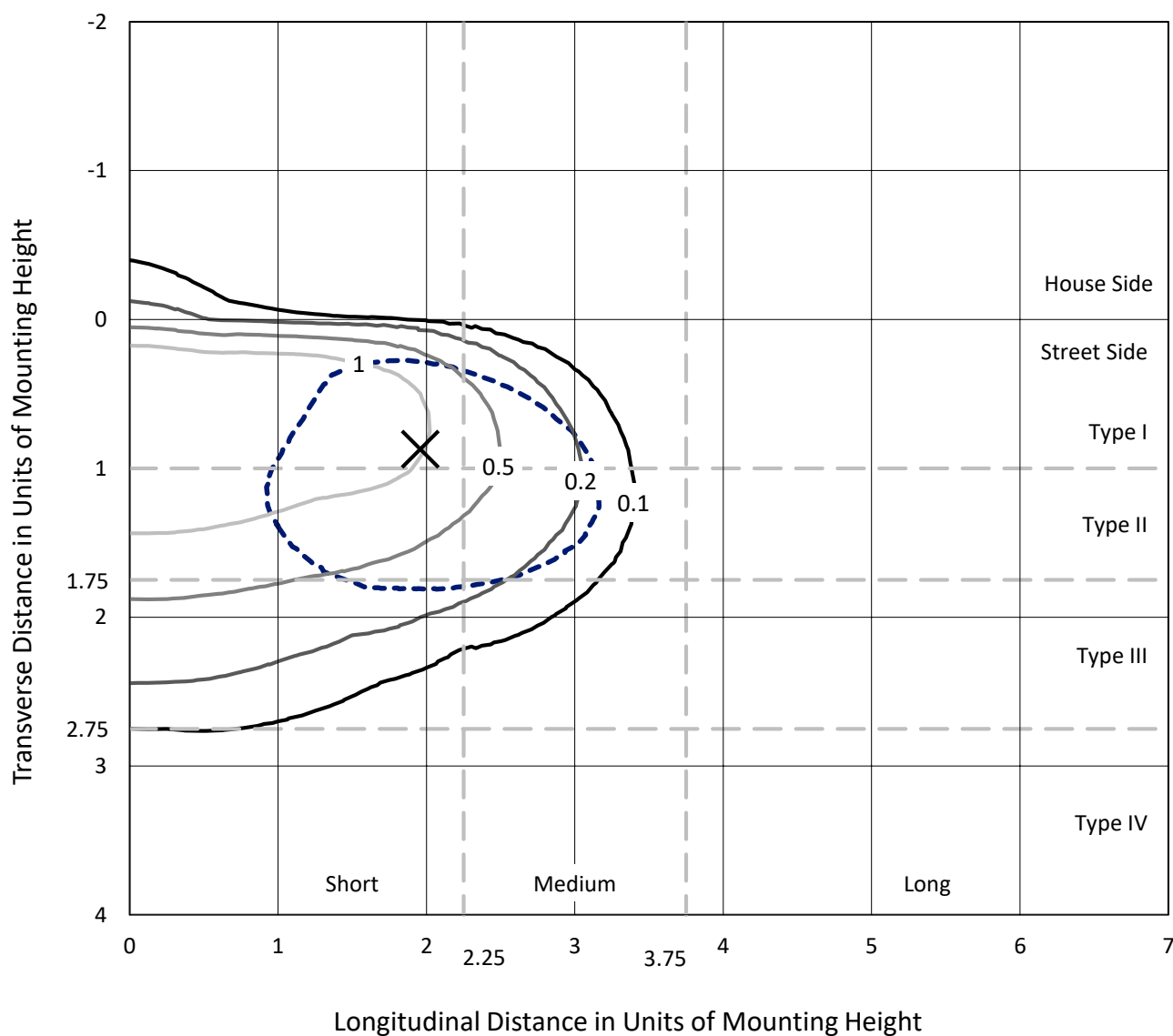
REPORT NUMBER: P181383

CATALOG NUMBER: ICS-F01-LED-E1-T3-HSS-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

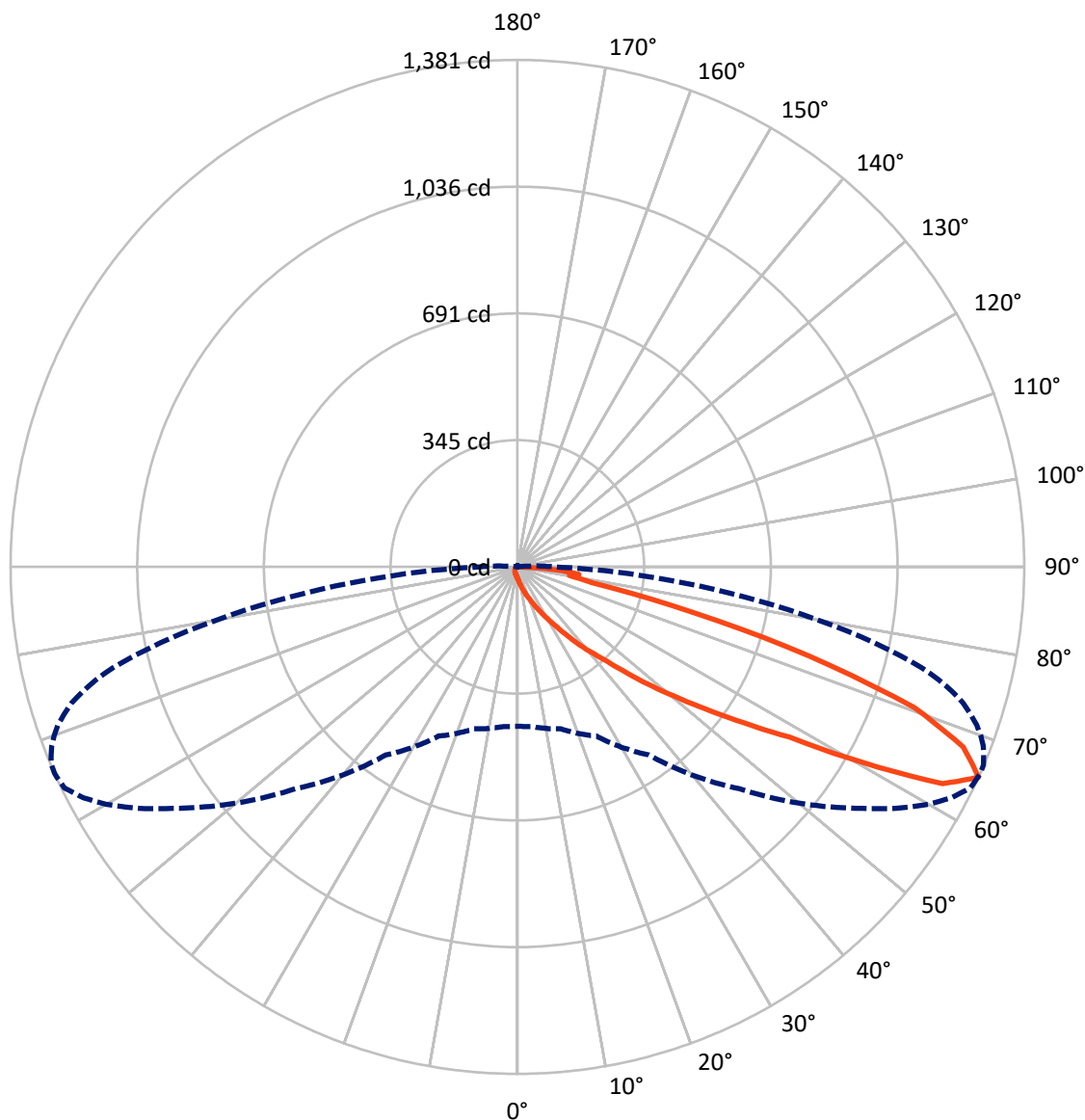


Based on 10 foot mounting height. Maximum calculated value = 1.6 fc
 Type III - Short - Non-Cutoff

REPORT NUMBER: P181383

CATALOG NUMBER: ICS-F01-LED-E1-T3-HSS-7030

Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P181383

CATALOG NUMBER: ICS-F01-LED-E1-T3-HSS-7030

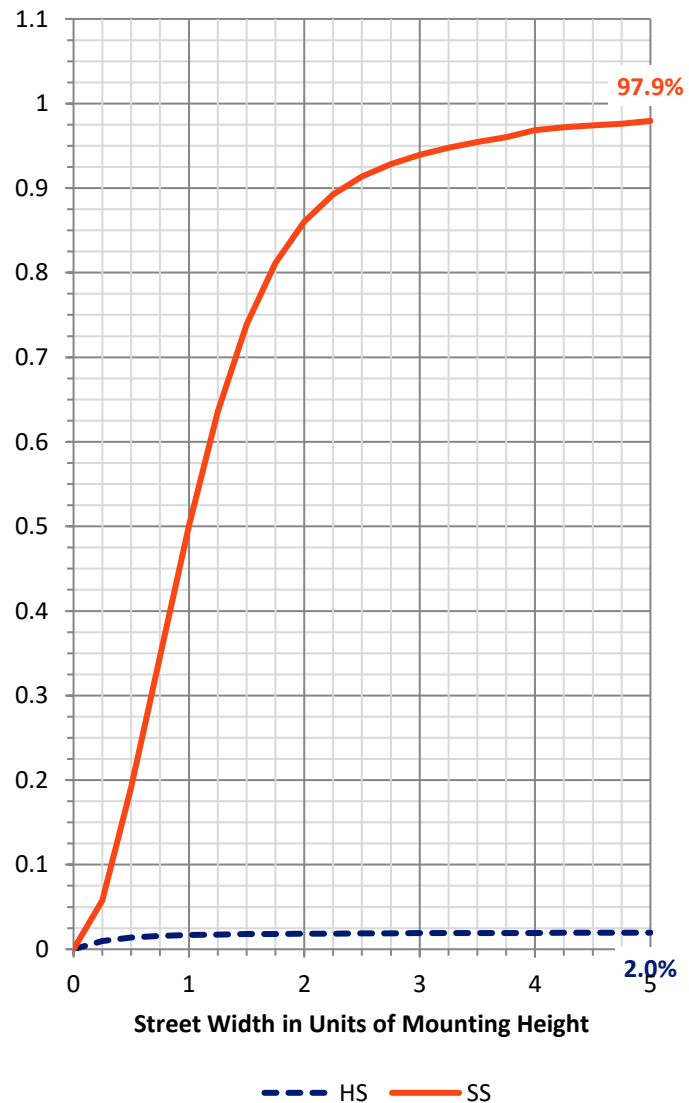
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22.2	0.0	22.2
	% Fixture	2.0	0.0	2.0
Street Side	Lumens	1084.2	0.0	1084.2
	% Fixture	98.0	0.0	98.0
Total	Lumens	1106.4	0.0	1106.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.8	0.3
10°-20°	18.0	1.6
20°-30°	41.1	3.7
30°-40°	78.2	7.1
40°-50°	156.9	14.2
50°-60°	277.7	25.1
60°-70°	362.8	32.8
70°-80°	149.2	13.5
80°-90°	18.8	1.7
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°	1106.4	100.0
0°-180°	1106.4	100.0

Coefficient of Utilization



REPORT NUMBER: P181383

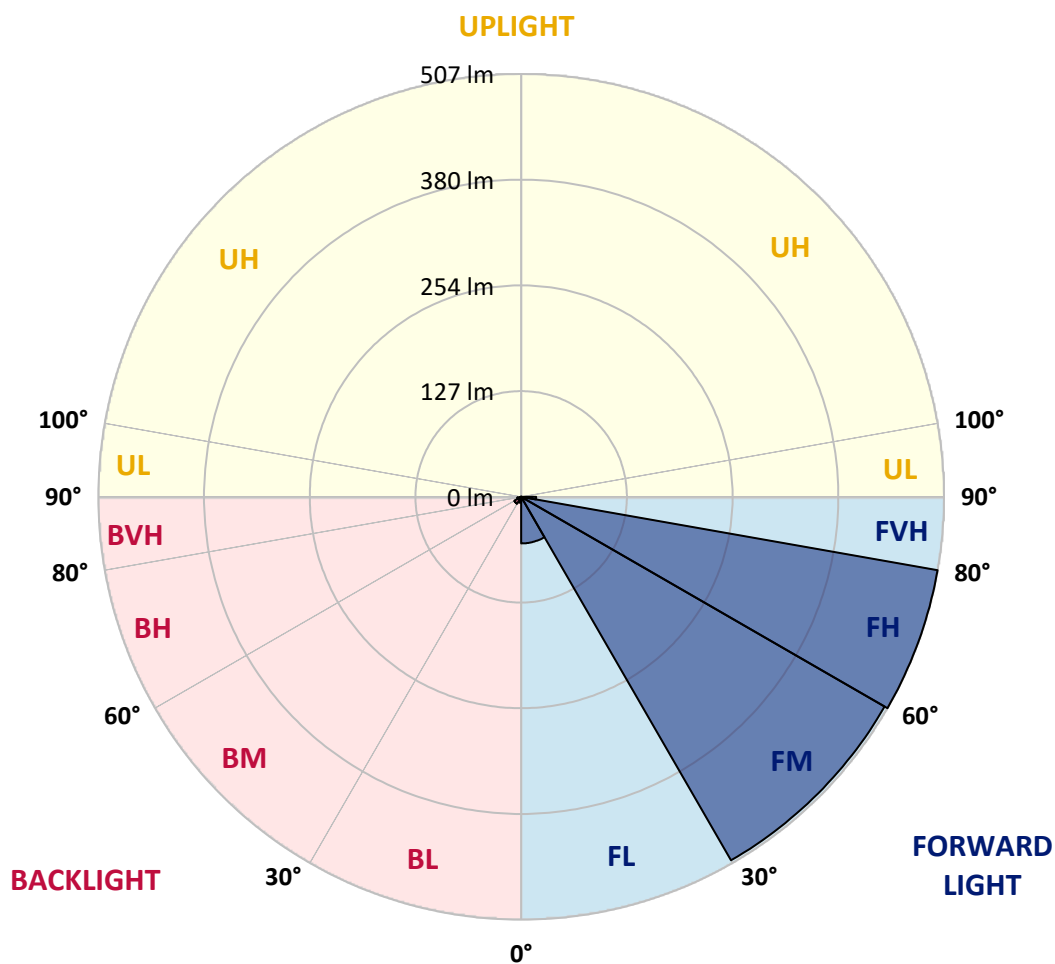
CATALOG NUMBER: ICS-F01-LED-E1-T3-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	55.9	5.1			
FM	(30°-60°)	503.3	45.5			
FH	(60°-80°)	507.0	45.8			G0/660
FVH	(80°-90°)	18.0	1.6			G1/100
BL	(0°-30°)	7.0	0.6	B0/110		
BM	(30°-60°)	9.5	0.9	B0/220		
BH	(60°-80°)	4.9	0.4	B0/110		G0/110
BVH	(80°-90°)	0.8	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 III Short



REPORT NUMBER: P181383

CATALOG NUMBER: ICS-F01-LED-E1-T3-HSS-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
2.5°	40.7	40.0	40.3	38.9	38.0	36.9	36.0	35.7	35.5	35.1	35.3
5°	58.6	57.9	56.3	53.6	51.1	47.3	43.4	43.2	42.5	41.8	41.4
7.5°	81.4	80.3	78.5	74.0	67.9	61.1	53.4	52.7	51.8	50.9	50.0
10°	107.9	107.2	103.8	98.6	89.4	78.3	65.4	64.7	62.7	61.5	60.6
12.5°	135.7	132.8	131.4	122.4	111.7	96.6	80.1	77.6	76.0	74.4	72.2
15°	156.8	157.2	154.0	146.8	134.4	116.7	96.1	93.4	91.2	88.2	85.5
17.5°	175.8	174.9	171.5	166.9	155.2	137.3	113.3	109.7	106.1	104.5	100.7
20°	191.1	190.7	188.0	183.7	174.6	157.4	131.4	128.5	124.4	121.7	117.4
22.5°	203.4	203.4	201.8	199.3	190.5	176.7	150.7	147.5	143.4	140.0	135.3
25°	213.1	212.9	213.1	212.0	206.1	193.4	170.3	166.7	163.3	159.3	154.7
27.5°	224.2	224.6	224.2	223.5	221.0	210.8	190.2	187.8	183.9	179.6	175.1
30°	241.4	240.0	239.8	239.3	236.4	230.1	210.8	207.9	204.9	202.0	198.8
32.5°	259.5	257.2	256.5	256.5	254.5	248.8	234.6	233.0	228.7	226.4	223.7
35°	280.0	279.1	278.2	278.5	277.6	271.7	259.9	260.4	259.0	254.5	251.8
37.5°	310.1	310.4	308.8	305.8	305.8	300.6	293.8	292.9	289.5	288.4	286.8
40°	353.1	352.0	350.6	346.3	344.7	335.9	329.6	327.3	324.6	324.4	322.6
42.5°	402.9	401.5	401.5	398.4	395.2	384.6	372.6	371.0	368.0	368.9	368.3
45°	449.0	450.2	451.7	454.0	454.5	449.9	432.5	430.5	428.9	428.0	427.3
47.5°	488.8	490.9	496.1	505.8	518.2	519.8	506.0	500.6	499.5	497.9	496.5
50°	517.3	520.3	532.0	551.0	575.3	590.2	582.7	578.2	578.0	573.7	573.2
52.5°	533.6	536.8	556.0	584.8	622.3	651.5	660.8	660.5	660.1	656.2	654.7
55°	537.2	540.6	563.7	602.9	656.5	706.9	742.4	743.3	745.4	744.2	744.2
57.5°	527.3	531.6	556.7	605.1	674.3	750.8	828.4	833.6	836.1	844.9	855.1
60°	509.0	512.1	537.2	591.3	677.5	790.8	940.1	956.6	969.5	987.0	1003.5
62.5°	475.0	481.4	505.4	564.2	668.0	837.0	1073.6	1104.1	1129.2	1155.7	1187.6
65°	433.9	436.6	456.9	508.3	625.5	854.6	1147.3	1177.2	1209.3	1237.6	1266.1
67.5°	382.3	384.6	402.2	424.1	516.2	772.1	1074.7	1107.8	1136.7	1160.0	1197.3
70°	250.4	255.4	298.6	320.3	360.8	570.7	878.8	910.7	932.9	948.7	991.9
72.5°	183.5	186.6	204.0	248.8	258.8	337.3	618.5	653.1	661.2	691.1	711.2
75°	112.0	119.9	159.3	213.1	252.2	231.0	370.5	387.3	406.0	427.8	447.0
77.5°	22.6	25.8	52.0	146.8	221.9	246.8	221.2	224.4	233.7	235.7	242.9
80°	3.6	3.8	6.8	63.3	128.5	199.5	221.2	218.3	213.1	209.5	205.9
82.5°	1.6	1.8	2.9	16.1	27.4	66.5	191.4	206.3	223.5	233.0	235.5
85°	0.7	0.7	1.1	3.2	4.1	4.5	32.3	42.8	76.2	101.3	116.7
87.5°	0.5	0.5	0.7	0.7	0.9	1.1	1.6	1.6	1.8	2.0	2.9
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: P181383

CATALOG NUMBER: ICS-F01-LED-E1-T3-HSS-7030

CANDELA DISTRIBUTION (continued):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
2.5°	35.3	35.1	35.1	34.4	34.4	34.2	34.2	33.9	33.9	33.5	33.7
5°	41.2	40.7	40.3	39.6	39.4	38.9	38.5	37.8	37.6	37.1	36.9
7.5°	49.1	48.6	47.7	46.4	45.5	44.6	43.7	42.8	42.1	41.4	40.9
10°	58.8	57.5	57.0	54.3	53.2	51.3	50.2	49.3	48.0	46.8	46.1
12.5°	70.6	69.4	67.2	63.6	61.8	60.2	58.1	56.3	55.0	52.9	51.6
15°	82.8	81.9	78.7	74.6	72.4	69.4	67.4	65.6	62.7	61.3	58.8
17.5°	98.2	95.5	92.3	86.4	83.5	81.0	77.4	74.6	72.8	68.8	66.5
20°	114.0	111.1	107.0	100.4	96.4	92.5	89.6	86.0	82.1	79.4	75.6
22.5°	132.1	127.4	124.2	116.0	111.3	107.2	102.2	98.4	94.6	90.3	86.0
25°	151.3	146.6	142.7	133.5	128.5	124.4	118.5	113.1	108.4	103.6	98.6
27.5°	171.5	167.2	162.9	153.4	149.1	143.4	138.0	131.7	125.5	121.2	114.5
30°	194.8	191.1	186.4	176.2	171.5	165.6	159.9	152.5	146.6	140.7	134.1
32.5°	219.9	216.9	212.0	202.9	197.3	192.3	186.2	178.9	170.6	164.5	156.8
35°	250.4	245.4	242.5	233.9	229.6	224.2	217.8	211.5	202.7	194.1	187.5
37.5°	285.3	283.0	279.1	271.0	267.8	262.2	258.1	251.8	245.0	234.1	227.1
40°	321.0	319.4	316.0	307.9	304.7	300.9	296.1	290.0	281.9	276.2	265.8
42.5°	366.5	364.0	361.3	353.6	347.5	342.7	340.7	335.5	326.9	319.6	311.5
45°	424.1	423.0	419.4	411.7	405.6	402.4	399.3	390.4	384.8	377.5	371.9
47.5°	493.8	490.2	488.4	479.8	477.8	475.3	467.1	462.1	454.0	448.3	441.3
50°	569.1	565.3	565.5	555.1	555.6	553.8	547.7	541.8	534.8	529.8	525.5
52.5°	650.1	651.9	647.4	650.6	647.0	642.9	641.8	634.5	628.4	628.2	622.3
55°	749.7	746.7	747.9	751.0	746.0	750.6	748.3	739.0	739.3	741.1	734.3
57.5°	856.7	861.0	870.2	872.3	880.9	875.0	890.4	879.3	886.1	886.1	881.5
60°	1013.6	1030.8	1053.2	1070.7	1086.7	1081.5	1101.6	1089.0	1098.0	1090.3	1086.5
62.5°	1202.8	1225.6	1252.1	1280.4	1296.6	1300.7	1297.8	1303.4	1294.6	1288.9	1274.2
65°	1293.7	1316.3	1339.4	1373.3	1377.8	1381.2	1379.9	1370.4	1359.5	1343.5	1324.2
67.5°	1218.1	1249.8	1262.7	1301.8	1315.0	1310.2	1311.8	1299.6	1282.6	1266.8	1238.5
70°	1010.0	1046.2	1053.0	1109.1	1124.7	1147.3	1139.2	1135.6	1117.0	1103.7	1072.5
72.5°	735.4	763.7	761.4	824.5	821.8	831.1	853.0	852.1	832.7	828.4	802.1
75°	452.6	469.6	468.7	513.5	494.7	492.0	498.1	495.4	477.1	458.1	441.8
77.5°	239.8	247.5	239.3	226.0	224.6	209.5	205.2	204.9	190.9	173.7	161.1
80°	202.0	194.1	184.6	165.1	153.8	143.6	134.1	125.3	115.8	103.2	87.8
82.5°	235.9	232.1	225.3	200.9	189.1	168.8	153.6	139.3	121.9	108.8	89.1
85°	114.9	114.7	120.1	117.6	113.3	112.4	97.5	94.3	87.3	80.1	67.0
87.5°	3.2	2.3	2.7	2.3	2.7	2.9	2.0	4.8	2.9	2.7	3.2
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: P181383

CATALOG NUMBER: ICS-F01-LED-E1-T3-HSS-7030

CANDELA DISTRIBUTION (continued):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
2.5°	33.5	33.3	33.0	33.0	32.8	32.8	32.6	32.3	32.3	32.1	32.1
5°	36.4	36.0	35.7	35.5	35.1	34.8	34.4	34.2	33.7	33.5	33.0
7.5°	40.0	39.6	38.7	38.2	37.6	37.3	36.2	35.7	35.3	34.8	34.2
10°	44.6	43.4	42.5	41.6	40.5	39.6	38.7	38.0	37.1	36.0	35.5
12.5°	50.2	48.6	47.3	45.7	44.3	43.0	41.4	40.3	38.9	37.8	36.6
15°	56.6	54.3	52.5	50.2	48.0	46.4	44.8	43.2	41.4	39.8	38.5
17.5°	63.8	60.9	58.4	55.6	53.2	50.9	48.2	46.1	44.1	41.8	40.0
20°	71.5	68.5	65.1	62.2	58.6	56.1	52.7	50.0	47.1	44.8	42.3
22.5°	81.7	77.8	73.5	69.4	65.6	61.8	58.1	54.7	51.1	47.7	45.2
25°	93.7	88.9	83.5	79.4	74.0	69.7	65.1	60.9	57.0	52.7	48.6
27.5°	108.6	102.2	96.4	90.7	84.8	79.4	73.5	68.5	63.3	58.4	53.8
30°	126.0	119.9	111.1	104.7	98.9	91.4	85.5	78.9	73.1	65.8	60.9
32.5°	149.1	141.2	131.9	123.5	115.8	107.4	99.3	90.9	83.2	76.7	69.2
35°	179.2	169.9	158.8	148.2	139.6	129.4	119.0	109.5	100.7	91.2	81.9
37.5°	217.2	208.6	196.6	183.7	172.1	159.9	149.1	135.7	124.0	112.4	100.7
40°	254.9	247.0	234.6	220.8	205.9	191.8	178.0	162.9	147.9	133.5	121.2
42.5°	301.5	289.8	276.4	260.8	246.3	229.6	212.4	195.0	177.1	159.7	142.3
45°	360.1	351.1	332.3	315.6	298.4	278.7	257.4	237.5	214.7	194.1	171.0
47.5°	431.4	415.1	401.3	385.9	364.4	345.4	318.3	294.8	266.2	238.9	211.3
50°	515.5	506.5	488.2	468.9	445.6	423.0	396.5	362.6	328.5	299.3	261.5
52.5°	613.9	601.0	589.5	569.6	545.8	516.9	486.8	449.9	408.1	366.9	326.6
55°	730.7	721.6	710.5	694.7	664.4	631.6	595.4	551.3	501.7	446.3	399.5
57.5°	881.3	871.8	861.2	828.6	808.0	767.8	715.3	669.6	616.2	545.2	487.0
60°	1086.9	1074.0	1059.1	1032.7	989.7	937.4	881.1	813.5	748.1	670.5	594.3
62.5°	1262.7	1242.1	1210.2	1176.1	1124.5	1064.5	993.7	914.1	839.7	752.4	667.5
65°	1298.9	1270.6	1233.1	1188.5	1135.3	1067.7	993.7	917.5	830.0	747.9	662.6
67.5°	1204.8	1172.0	1133.5	1083.8	1033.1	963.4	899.6	822.0	739.7	668.7	592.4
70°	1050.1	1001.4	962.1	909.1	857.8	803.0	735.9	677.7	610.8	545.4	487.0
72.5°	788.6	740.6	704.9	662.6	632.0	574.1	524.8	481.4	441.8	392.9	349.7
75°	425.0	389.1	365.1	345.9	318.5	280.3	256.7	226.9	210.1	189.8	170.1
77.5°	138.7	122.2	104.3	86.9	74.6	56.1	54.3	43.2	40.7	39.6	30.5
80°	71.0	54.7	39.6	28.5	21.7	19.2	18.3	17.4	16.5	15.8	14.7
82.5°	71.3	51.6	35.5	24.7	17.9	14.9	14.0	13.6	12.9	12.2	11.3
85°	52.0	38.5	26.5	18.1	12.4	10.0	9.5	8.8	8.4	8.1	7.2
87.5°	3.4	2.5	2.3	2.0	2.0	2.0	2.3	2.0	2.3	2.3	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: P181383

CATALOG NUMBER: ICS-F01-LED-E1-T3-HSS-7030

CANDELA DISTRIBUTION (continued):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
2.5°	31.9	31.7	31.7	31.4	31.2	31.2	31.0	31.0	30.3	29.2	28.3
5°	32.8	32.3	32.1	31.9	31.7	31.2	31.0	30.8	29.6	27.4	25.6
7.5°	33.5	33.0	32.8	32.3	31.7	31.4	31.0	30.5	28.7	25.6	23.5
10°	34.6	33.9	33.3	32.6	31.9	31.4	30.8	30.3	27.6	24.0	21.9
12.5°	35.7	34.8	33.9	32.8	32.1	31.4	30.8	29.9	26.7	22.6	20.4
15°	37.1	35.7	34.6	33.5	32.3	31.4	30.3	29.6	25.8	21.5	19.5
17.5°	38.5	36.9	35.3	33.7	32.6	31.2	30.3	29.2	24.9	20.6	18.3
20°	40.0	37.8	36.2	34.4	32.8	31.2	29.9	28.7	24.0	19.5	17.2
22.5°	42.3	39.6	37.1	35.1	33.0	31.4	29.9	28.3	23.1	18.5	16.3
25°	45.2	41.8	38.9	36.4	33.9	31.9	30.1	28.5	22.4	17.9	15.2
27.5°	49.5	45.2	42.1	38.7	35.5	33.0	30.8	29.0	21.9	17.2	14.5
30°	54.7	50.4	45.5	41.4	38.0	34.6	32.1	29.4	21.5	16.5	13.6
32.5°	62.4	56.3	50.4	45.5	40.7	36.9	33.3	30.5	21.3	15.4	12.7
35°	73.5	65.1	58.1	51.6	45.0	40.3	36.0	32.3	21.0	14.5	11.8
37.5°	89.4	79.4	70.4	61.1	52.9	46.1	40.3	35.5	21.0	13.8	10.9
40°	106.3	93.4	81.9	70.4	59.9	51.3	43.4	37.6	20.6	12.9	10.0
42.5°	125.5	109.7	93.9	79.6	66.7	55.6	46.4	39.1	19.5	12.0	9.0
45°	151.3	130.5	111.5	93.2	76.5	62.0	50.2	40.9	18.3	11.3	8.1
47.5°	183.7	159.5	134.8	111.7	89.8	71.5	55.9	43.9	17.6	10.4	7.5
50°	231.9	197.5	164.9	135.5	107.7	83.7	64.2	48.2	17.0	9.7	6.8
52.5°	284.8	242.5	204.3	166.5	131.9	100.2	74.0	53.8	16.3	9.0	6.1
55°	349.3	297.2	250.6	201.6	157.2	119.4	86.0	60.2	15.4	8.4	5.7
57.5°	428.9	363.1	307.9	247.9	192.3	144.3	102.0	70.8	14.5	7.5	5.0
60°	517.8	443.4	373.9	303.6	236.2	177.3	125.8	86.0	13.6	6.6	4.3
62.5°	581.8	500.2	420.8	341.8	267.8	202.0	145.0	97.7	12.2	5.7	3.8
65°	581.1	498.3	418.5	340.7	268.7	202.9	145.7	100.0	10.9	5.0	3.4
67.5°	517.8	448.1	376.9	307.0	244.1	184.6	134.8	92.7	9.3	4.5	2.9
70°	426.0	370.5	314.2	258.8	208.3	158.1	116.5	80.8	7.9	4.1	2.5
72.5°	311.0	270.5	236.2	197.0	162.6	124.9	93.0	63.3	6.3	3.4	2.3
75°	154.5	138.2	118.5	106.3	90.7	74.2	57.7	36.9	5.2	2.7	2.0
77.5°	29.4	26.2	25.1	21.7	19.9	17.6	15.6	11.1	4.1	2.0	1.8
80°	13.6	12.4	11.3	10.2	9.0	7.7	6.8	5.9	3.2	1.6	2.0
82.5°	10.6	9.7	8.6	7.7	6.8	5.9	5.0	4.3	2.0	1.4	2.0
85°	7.0	6.1	5.4	4.8	4.1	3.6	3.2	2.7	1.4	1.4	1.4
87.5°	2.0	2.0	1.8	1.8	1.6	1.6	1.4	1.4	1.1	1.1	1.1
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: P181383

CATALOG NUMBER: ICS-F01-LED-E1-T3-HSS-7030

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	30.8	30.8	30.8	30.8	30.8	30.8	30.8
2.5°	27.4	26.2	25.8	25.6	25.6	25.8	25.6
5°	24.2	23.1	22.6	22.2	22.2	22.2	22.4
7.5°	22.2	21.0	20.4	20.1	19.9	20.1	20.1
10°	20.4	19.5	18.5	18.1	18.1	18.1	18.1
12.5°	19.0	17.9	17.0	16.7	16.5	16.5	16.5
15°	17.9	16.5	15.8	15.4	15.2	15.2	15.4
17.5°	16.5	15.4	14.5	14.3	14.3	14.3	14.3
20°	15.6	14.3	13.6	13.1	13.1	13.1	13.1
22.5°	14.5	13.3	12.4	12.0	12.0	12.0	12.0
25°	13.6	12.4	11.5	11.1	11.1	11.1	11.1
27.5°	12.7	11.5	10.6	10.2	10.2	10.2	10.2
30°	11.8	10.6	9.7	9.3	9.3	9.3	9.3
32.5°	11.1	9.7	8.8	8.4	8.4	8.6	8.4
35°	10.0	8.8	7.9	7.5	7.5	7.5	7.5
37.5°	9.0	7.9	7.0	6.6	6.6	6.6	6.3
40°	8.4	7.0	6.1	5.7	5.4	5.4	5.4
42.5°	7.2	5.9	5.2	4.8	4.5	4.5	4.5
45°	6.6	5.2	4.3	3.8	3.8	3.8	3.8
47.5°	5.9	4.5	3.6	3.2	3.2	3.4	3.4
50°	5.2	3.8	2.9	2.9	2.9	3.2	3.2
52.5°	4.5	3.4	2.7	2.7	2.9	3.2	3.2
55°	4.1	2.9	2.5	2.7	2.9	3.2	3.2
57.5°	3.6	2.5	2.5	2.7	2.9	3.2	3.2
60°	3.2	2.3	2.3	2.5	2.9	3.2	3.2
62.5°	2.7	2.3	2.3	2.5	2.9	3.2	3.2
65°	2.5	2.3	2.3	2.5	2.9	3.2	3.2
67.5°	2.3	2.0	2.3	2.5	2.7	2.9	2.9
70°	2.0	2.0	2.3	2.5	2.7	2.9	2.9
72.5°	2.0	2.0	2.0	2.3	2.5	2.7	2.7
75°	2.0	2.0	2.0	2.3	2.5	2.7	2.7
77.5°	2.0	1.8	1.8	2.0	2.5	2.7	2.7
80°	2.0	1.8	1.8	2.0	2.3	2.7	2.7
82.5°	1.6	1.6	1.8	2.0	2.3	2.5	2.5
85°	1.4	1.6	1.6	1.8	2.0	2.5	2.5
87.5°	1.1	1.1	1.4	1.6	1.8	2.0	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)