

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: P181578

Luminaire Tested: **ICS-E01-LED-E1-T4-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181578
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-E01-LED-E1-T4-HSS-7030
Description: ICON SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ HOUSE SIDE SHIELD
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1589.9 lumens
Efficiency: N/A
Efficacy: 64.4 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): 24.7
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



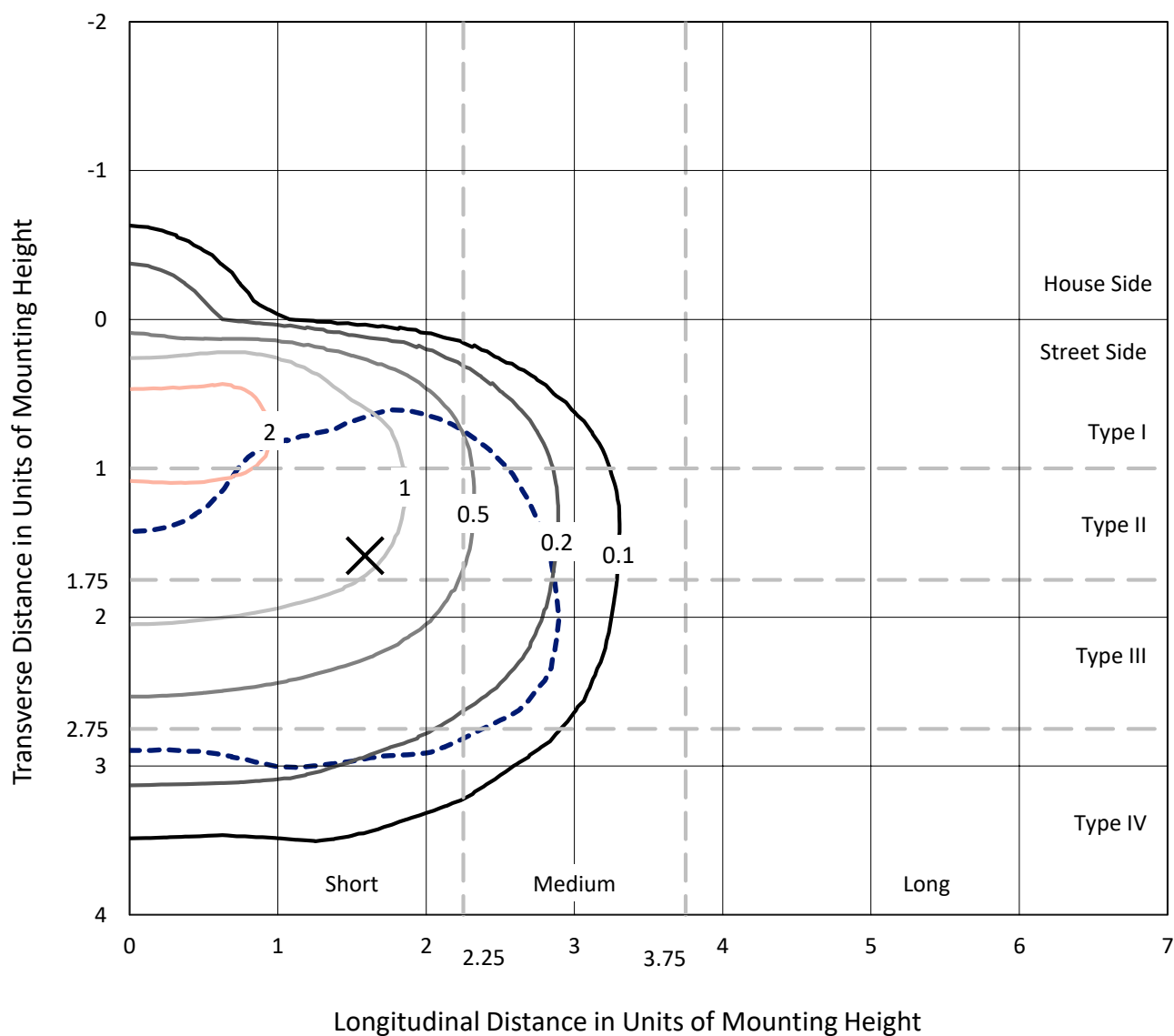
REPORT NUMBER: P181578

CATALOG NUMBER: ICS-E01-LED-E1-T4-HSS-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

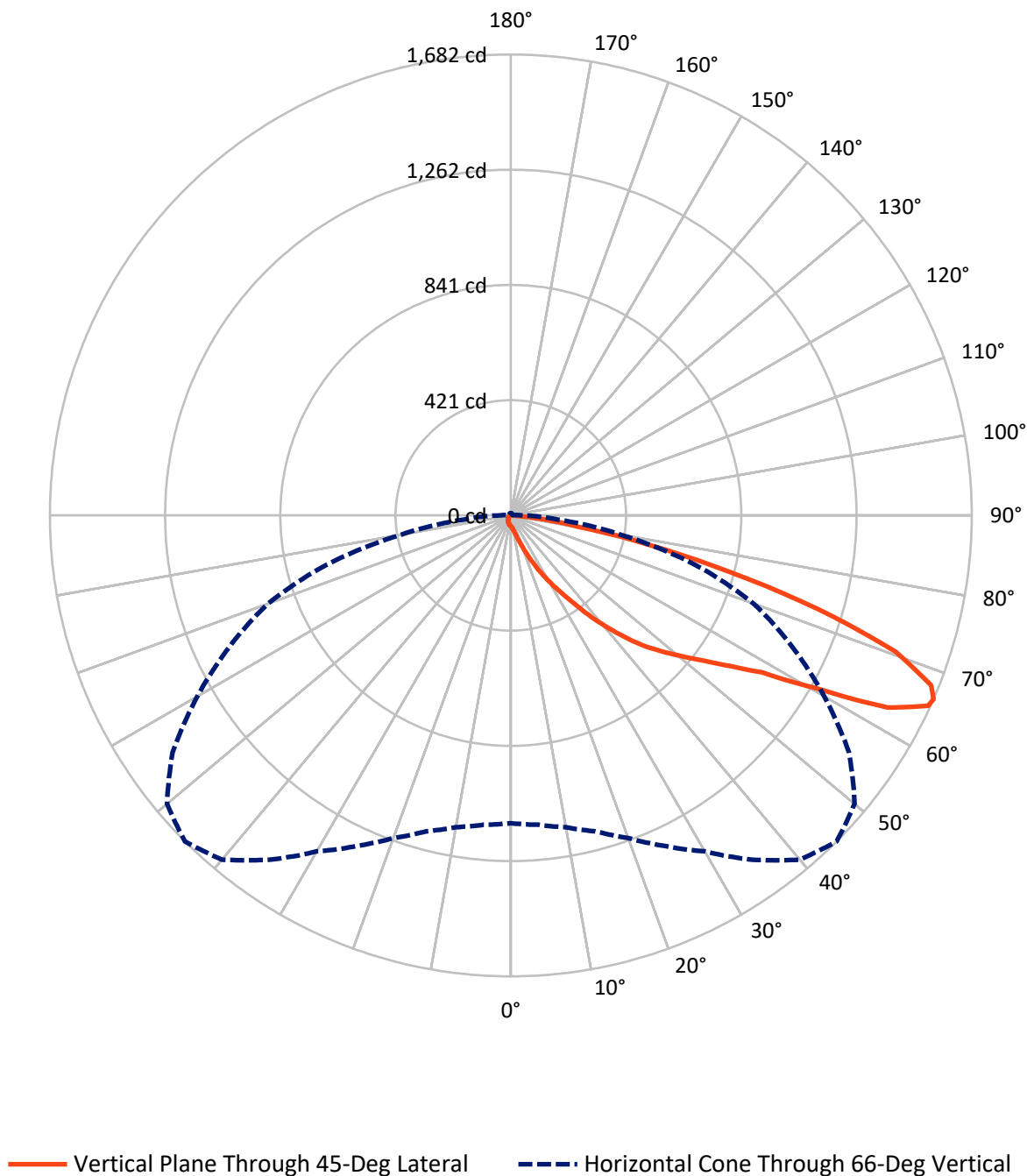


Based on 10 foot mounting height. Maximum calculated value = 2.5 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P181578

CATALOG NUMBER: ICS-E01-LED-E1-T4-HSS-7030

Luminous Intensity Polar Plot



REPORT NUMBER: P181578

CATALOG NUMBER: ICS-E01-LED-E1-T4-HSS-7030

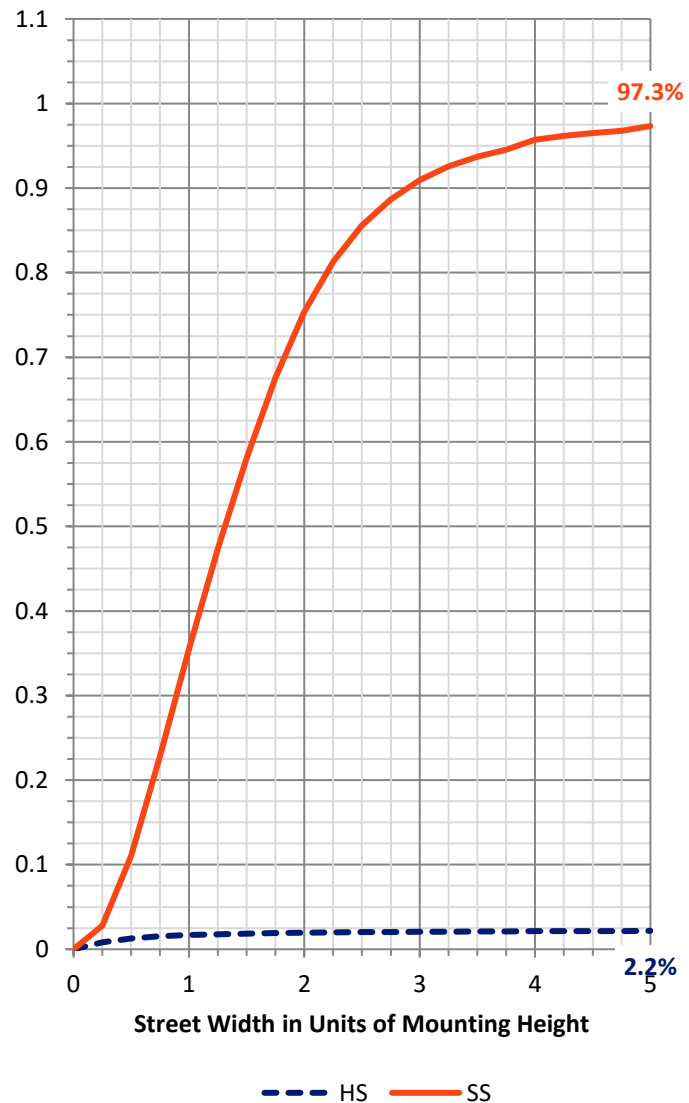
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	36.0	0.0	36.0
	% Fixture	2.3	0.0	2.3
Street Side	Lumens	1553.9	0.0	1553.9
	% Fixture	97.7	0.0	97.7
Total	Lumens	1589.9	0.0	1589.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.0	0.3
10°-20°	16.2	1.0
20°-30°	47.5	3.0
30°-40°	111.0	7.0
40°-50°	208.4	13.1
50°-60°	345.4	21.7
60°-70°	548.3	34.5
70°-80°	283.6	17.8
80°-90°	25.6	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°	1589.9	100.0
0°-180°	1589.9	100.0

Coefficient of Utilization



REPORT NUMBER: P181578

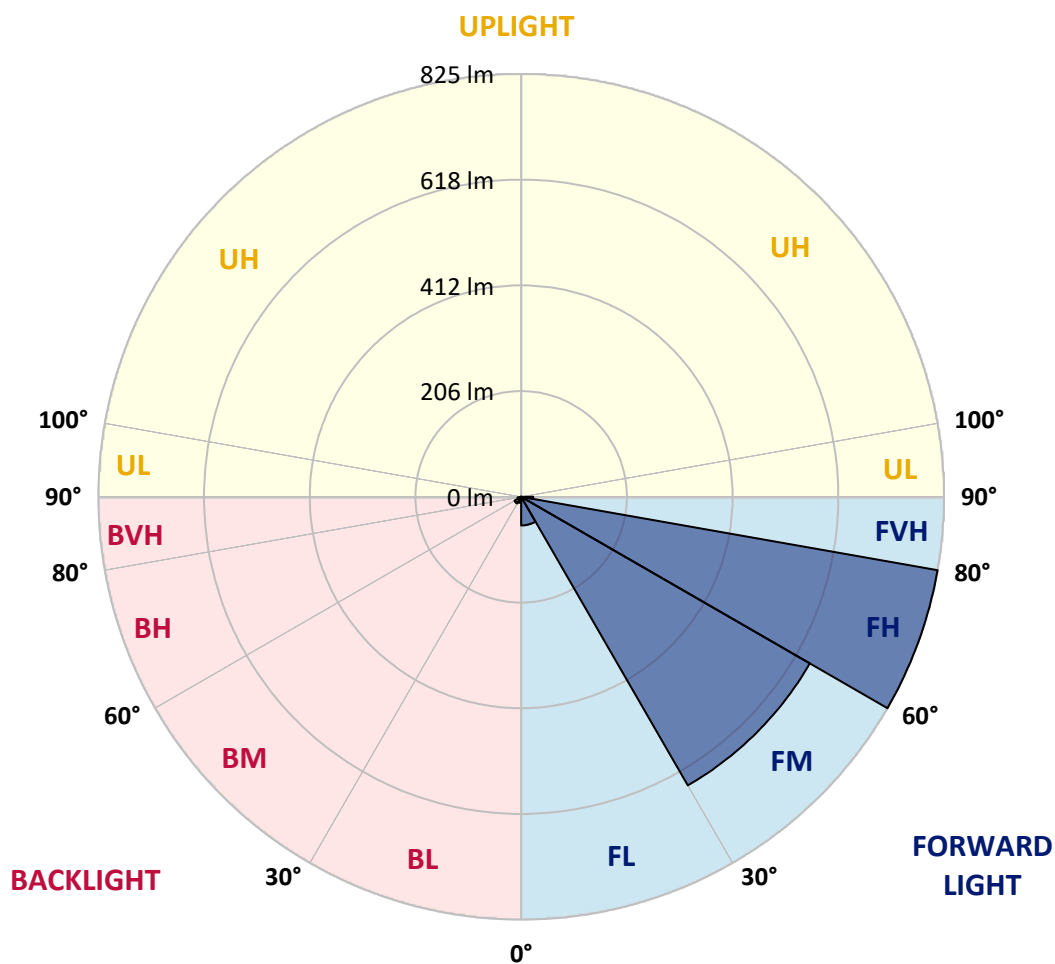
CATALOG NUMBER: ICS-E01-LED-E1-T4-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	55.9	3.5			
FM	(30°-60°)	649.8	40.9			
FH	(60°-80°)	824.5	51.9			G1/1800
FVH	(80°-90°)	23.6	1.5			G1/100
BL	(0°-30°)	11.8	0.7	B0/110		
BM	(30°-60°)	14.9	0.9	B0/220		
BH	(60°-80°)	7.3	0.5	B0/110		G0/110
BVH	(80°-90°)	2.0	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: P181578

CATALOG NUMBER: ICS-E01-LED-E1-T4-HSS-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
2.5°	43.0	43.0	43.0	43.0	42.7	42.5	42.2	41.9	41.7	41.7	41.4
5°	48.8	49.0	48.8	48.5	48.0	47.7	46.9	46.3	45.5	45.2	44.4
7.5°	56.7	56.4	56.7	55.9	54.8	54.5	53.4	52.1	51.0	49.3	48.2
10°	68.2	68.0	68.2	66.6	64.9	63.6	61.7	60.0	57.5	55.6	53.4
12.5°	86.6	86.6	86.0	83.9	81.7	78.6	75.6	72.1	67.7	63.8	60.3
15°	114.8	113.4	111.0	109.6	105.8	101.1	97.8	90.7	84.4	78.4	71.2
17.5°	148.8	146.1	144.1	141.1	136.2	130.2	124.7	114.3	108.0	98.1	88.0
20°	187.7	184.4	183.9	179.2	174.0	167.4	159.5	147.1	136.5	124.1	109.9
22.5°	227.4	228.0	225.8	222.5	217.3	209.6	197.3	186.1	172.9	157.3	138.9
25°	271.8	271.6	269.6	265.8	262.0	252.4	242.5	231.8	216.2	196.2	174.3
27.5°	313.5	313.2	308.5	308.8	301.4	297.9	288.3	276.8	257.9	241.1	217.3
30°	357.0	354.3	351.3	349.1	343.9	337.6	332.7	319.0	304.7	285.0	265.5
32.5°	401.2	398.2	399.0	396.2	392.1	385.8	378.4	367.2	351.8	332.7	314.6
35°	455.1	453.8	451.6	452.4	451.6	446.9	440.6	425.8	409.1	390.8	372.1
37.5°	495.2	493.8	495.2	500.9	502.3	505.3	500.6	493.2	481.2	461.2	441.7
40°	532.1	532.4	538.7	545.8	550.8	560.6	562.3	559.3	549.7	531.3	505.8
42.5°	565.3	569.4	575.2	587.0	597.6	611.6	622.0	623.7	616.5	604.5	578.7
45°	602.3	605.9	614.9	628.9	643.7	660.9	677.7	686.4	685.9	677.4	649.7
47.5°	643.7	648.3	658.2	669.7	689.4	708.9	730.5	746.2	752.7	741.0	714.1
50°	693.8	695.7	704.2	719.0	737.1	759.6	783.1	805.9	818.8	807.8	780.1
52.5°	753.3	753.8	761.8	775.5	790.0	814.7	837.7	869.2	885.9	879.9	846.7
55°	834.9	833.3	838.8	850.6	862.3	886.2	909.2	944.8	969.2	969.8	934.4
57.5°	946.5	942.6	946.2	955.5	968.7	990.9	1019.9	1051.4	1084.0	1081.8	1052.8
60°	1101.8	1100.5	1107.0	1122.7	1145.1	1168.1	1201.0	1243.5	1272.3	1282.1	1251.7
62.5°	1205.1	1209.0	1224.0	1248.2	1291.5	1339.1	1400.2	1465.2	1520.0	1544.7	1502.7
65°	1160.7	1167.1	1190.6	1226.2	1283.5	1355.0	1436.1	1542.7	1637.3	1674.8	1631.2
66°	1123.2	1133.3	1155.5	1193.4	1253.1	1331.2	1415.9	1533.7	1640.0	1682.2	1637.8
67.5°	1058.3	1065.4	1090.6	1132.5	1196.6	1273.9	1365.4	1489.8	1609.9	1654.5	1610.4
70°	925.9	928.7	949.2	984.8	1034.4	1113.6	1196.6	1316.4	1426.8	1489.6	1441.3
72.5°	689.2	693.0	727.0	791.9	856.3	901.3	950.3	1046.2	1117.5	1176.1	1166.8
75°	331.6	333.2	356.0	450.8	576.3	630.0	675.5	749.7	776.8	825.9	818.5
77.5°	210.2	213.7	228.5	251.6	322.8	386.6	422.5	465.0	473.0	514.3	490.2
80°	57.8	67.1	81.9	120.6	206.9	246.6	262.8	261.1	262.8	250.2	242.0
82.5°	11.8	11.5	14.0	21.6	91.2	143.6	155.1	132.1	131.3	126.3	130.4
85°	3.0	2.7	3.3	6.9	15.6	42.5	53.4	29.9	22.7	21.6	19.2
87.5°	0.8	0.8	0.8	1.4	1.6	2.2	3.0	2.2	1.6	1.6	1.6
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: P181578

CATALOG NUMBER: ICS-E01-LED-E1-T4-HSS-7030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
2.5°	41.1	41.1	40.8	40.6	40.6	40.3	40.0	39.7	39.5	39.2	38.9
5°	43.6	43.0	42.2	41.7	41.1	40.3	39.7	39.2	38.6	38.4	37.8
7.5°	46.9	45.5	44.4	42.7	41.7	40.6	39.5	38.6	37.8	37.3	36.7
10°	51.0	48.8	46.6	44.4	42.5	40.8	39.2	37.8	37.0	36.2	35.6
12.5°	56.2	52.9	49.9	46.6	43.6	41.1	38.9	37.3	36.2	35.3	34.5
15°	64.7	59.5	54.3	49.3	45.5	41.7	38.6	36.7	35.3	34.5	33.7
17.5°	78.1	68.8	60.6	53.7	47.4	42.5	38.6	36.2	34.5	33.4	32.6
20°	97.6	82.2	69.1	59.2	51.0	43.8	38.6	35.3	33.7	32.3	31.5
22.5°	120.6	101.4	83.3	66.9	55.1	45.8	38.6	34.5	32.6	31.5	30.4
25°	154.3	128.8	104.1	81.1	61.9	48.8	39.5	34.0	31.8	30.4	29.3
27.5°	193.7	163.0	132.4	100.0	72.3	53.2	40.6	33.4	31.0	29.3	28.2
30°	238.7	204.7	167.2	125.2	86.0	58.9	42.5	33.2	29.9	28.2	26.9
32.5°	287.4	251.6	210.4	157.6	106.3	67.7	44.9	32.9	28.8	26.9	25.2
35°	345.5	312.1	262.0	203.0	137.8	82.8	50.4	33.4	27.7	25.5	23.6
37.5°	409.1	373.5	320.3	251.3	169.1	99.7	54.5	32.6	25.8	23.6	21.6
40°	473.2	432.4	378.4	302.0	208.8	120.6	59.7	31.8	23.8	21.6	19.7
42.5°	535.7	492.7	434.0	354.0	250.7	145.2	66.3	31.8	22.5	19.7	17.8
45°	601.2	549.4	485.3	403.9	292.4	173.5	75.6	31.5	20.8	18.1	15.9
47.5°	663.1	601.7	528.0	447.7	337.0	204.4	86.3	31.8	19.5	16.4	14.5
50°	721.8	651.3	571.9	486.9	379.8	237.8	99.5	32.1	18.1	15.1	13.2
52.5°	785.9	707.8	619.0	527.2	422.0	271.6	114.8	32.6	16.7	13.7	12.1
55°	865.4	778.8	677.1	576.5	466.7	305.5	129.6	33.2	15.3	12.6	11.0
57.5°	979.9	881.2	771.4	650.5	525.8	344.2	145.0	34.5	14.2	11.8	10.1
60°	1166.2	1048.7	921.8	779.3	614.4	396.5	167.2	37.5	12.9	10.7	9.6
62.5°	1390.4	1249.0	1087.6	914.7	697.7	431.9	181.9	40.8	11.8	9.9	9.0
65°	1503.3	1325.2	1139.1	952.5	708.3	421.4	175.9	39.7	10.4	8.8	7.7
66°	1506.6	1321.1	1132.0	944.3	697.4	408.8	170.2	39.2	10.1	8.5	7.1
67.5°	1475.3	1285.7	1094.2	907.0	665.0	384.5	159.8	37.3	9.3	7.7	6.3
70°	1321.1	1136.4	960.7	787.8	572.2	323.9	134.0	32.9	8.2	6.9	5.8
72.5°	1053.1	902.6	754.7	619.8	444.7	243.1	105.8	26.9	7.1	6.0	4.9
75°	735.5	611.9	499.3	403.1	279.5	145.5	68.5	18.9	6.0	4.9	4.1
77.5°	410.5	325.5	246.1	187.4	111.5	45.5	22.7	9.6	5.2	3.8	3.3
80°	208.8	154.8	117.8	86.9	51.5	23.6	11.5	6.3	4.1	3.0	2.7
82.5°	121.4	89.1	71.0	56.2	35.3	17.8	9.3	4.7	2.7	2.2	2.5
85°	27.1	35.9	30.4	25.8	18.9	11.2	6.6	3.0	1.9	1.9	2.2
87.5°	2.2	3.0	2.7	3.6	3.8	3.6	2.7	1.6	1.4	1.6	1.6
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: P181578

CATALOG NUMBER: ICS-E01-LED-E1-T4-HSS-7030

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
2.5°	38.6	38.4	38.4	38.1	37.8	37.8	37.8	37.5	37.8	37.8	37.8
5°	37.5	37.3	37.0	36.7	36.4	36.2	36.2	35.9	35.9	35.9	36.2
7.5°	36.4	35.9	35.6	35.1	34.8	34.5	34.5	34.3	34.3	34.3	34.3
10°	35.1	34.5	34.0	33.7	33.4	32.9	32.9	32.6	32.3	32.3	32.3
12.5°	34.0	33.4	32.9	32.3	31.8	31.5	31.2	31.0	30.7	30.7	30.7
15°	32.9	32.1	31.5	31.0	30.4	29.9	29.6	29.3	29.0	28.8	28.8
17.5°	31.8	31.0	30.1	29.6	29.0	28.5	28.2	27.4	27.4	27.1	27.1
20°	30.4	29.6	28.8	28.2	27.7	27.1	26.6	26.0	25.5	25.2	25.2
22.5°	29.3	28.5	27.7	26.9	26.0	25.2	24.7	24.1	23.8	23.6	23.3
25°	28.2	27.1	26.0	25.2	24.4	23.6	23.0	22.5	21.9	21.6	21.6
27.5°	26.9	25.8	24.7	23.6	22.7	21.9	21.4	20.6	20.3	20.0	19.7
30°	25.5	24.1	23.0	21.9	21.1	20.0	19.5	18.9	18.4	18.4	18.1
32.5°	23.8	22.5	21.4	20.3	19.2	18.4	17.8	17.3	17.0	16.4	16.4
35°	22.2	20.8	19.5	18.4	17.5	16.7	16.2	15.6	15.1	14.8	14.8
37.5°	20.3	18.9	17.8	16.7	15.9	15.1	14.5	14.0	13.7	13.4	13.2
40°	18.1	16.7	15.9	15.1	14.2	13.7	12.9	12.3	12.1	11.8	11.5
42.5°	16.2	14.8	14.2	13.7	12.9	12.3	11.5	11.0	10.4	10.1	9.9
45°	14.5	13.4	12.9	12.3	11.5	10.7	10.1	9.6	9.0	8.8	8.8
47.5°	12.9	12.1	11.5	11.0	10.1	9.6	8.8	8.5	7.9	7.9	7.9
50°	11.8	11.0	10.4	9.9	9.3	8.5	7.9	7.7	7.4	7.4	7.7
52.5°	11.0	10.1	9.6	9.0	8.5	7.9	7.4	7.1	7.1	7.4	7.7
55°	10.1	9.3	8.8	8.2	7.7	7.4	6.9	6.9	7.1	7.4	7.7
57.5°	9.6	8.5	7.9	7.7	7.1	6.9	6.9	6.9	7.1	7.4	7.9
60°	8.8	7.7	7.1	7.1	6.6	6.6	6.6	6.9	7.1	7.7	7.9
62.5°	7.7	6.9	6.6	6.6	6.3	6.3	6.6	6.9	7.4	7.7	7.9
65°	6.6	6.0	6.0	6.0	6.0	6.3	6.6	6.9	7.1	7.7	7.9
66°	6.0	5.8	5.8	6.0	6.0	6.3	6.6	6.9	7.1	7.4	7.7
67.5°	5.8	5.5	5.5	5.8	6.0	6.0	6.3	6.9	7.1	7.4	7.4
70°	4.9	4.9	4.9	5.5	5.8	6.0	6.3	6.6	6.9	7.1	7.4
72.5°	4.4	4.4	4.7	4.9	5.5	5.8	6.0	6.3	6.9	7.1	7.1
75°	3.8	3.8	4.4	4.7	5.2	5.5	6.0	6.3	6.6	6.9	6.9
77.5°	3.3	3.6	4.1	4.7	4.9	5.5	5.8	6.0	6.3	6.6	6.6
80°	3.0	3.6	4.1	4.4	4.7	4.9	5.2	5.8	6.0	6.3	6.6
82.5°	3.0	3.3	3.8	4.1	4.4	4.9	5.2	5.5	5.8	6.0	6.3
85°	2.5	3.0	3.3	3.8	4.1	4.7	4.9	4.9	5.2	5.5	5.8
87.5°	1.9	2.2	2.2	2.7	3.0	3.6	4.1	4.1	4.4	4.7	4.9
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: P181578

CATALOG NUMBER: ICS-E01-LED-E1-T4-HSS-7030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	39.7	39.7	39.7	39.7
2.5°	37.8	38.1	38.1	38.1
5°	36.2	36.2	36.2	36.2
7.5°	34.3	34.3	34.3	34.3
10°	32.3	32.3	32.6	32.3
12.5°	30.7	30.4	30.4	30.4
15°	28.8	28.8	28.5	28.8
17.5°	26.9	26.9	26.6	26.6
20°	24.9	24.9	24.9	24.9
22.5°	23.3	23.0	23.0	23.0
25°	21.4	21.4	21.4	21.4
27.5°	19.7	19.7	19.7	19.7
30°	18.1	18.1	17.8	17.8
32.5°	16.4	16.4	16.4	16.4
35°	14.8	14.8	14.5	14.5
37.5°	12.9	12.9	12.9	12.9
40°	11.2	11.2	11.2	11.2
42.5°	9.9	9.9	9.6	9.6
45°	8.5	8.5	8.5	8.5
47.5°	7.9	7.9	7.9	7.9
50°	7.7	7.9	7.9	7.9
52.5°	7.9	7.9	7.9	7.9
55°	7.9	8.2	8.2	8.2
57.5°	7.9	8.2	8.2	8.5
60°	8.2	8.5	8.5	8.5
62.5°	8.2	8.5	8.5	8.5
65°	7.9	8.2	8.2	8.2
66°	7.9	7.9	7.9	8.2
67.5°	7.7	7.9	7.9	7.9
70°	7.4	7.7	7.7	7.9
72.5°	7.4	7.7	7.7	7.7
75°	7.1	7.1	7.4	7.4
77.5°	6.9	6.9	7.1	7.1
80°	6.6	6.9	6.9	6.9
82.5°	6.3	6.6	6.6	6.6
85°	5.8	6.0	6.0	6.0
87.5°	4.9	4.9	5.2	5.2
90°	0.0	0.0	0.0	0.0

(END OF REPORT)