

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: P181598

Luminaire Tested: **ICS-E03-LED-E1-T4-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181598
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-E03-LED-E1-T4-HSS-7030
Description: ICON SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ HOUSE SIDE SHIELD
Light Source: (63) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4769.7 lumens
Efficiency: N/A
Efficacy: 63.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G2

Input Watts (W): 75.2
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

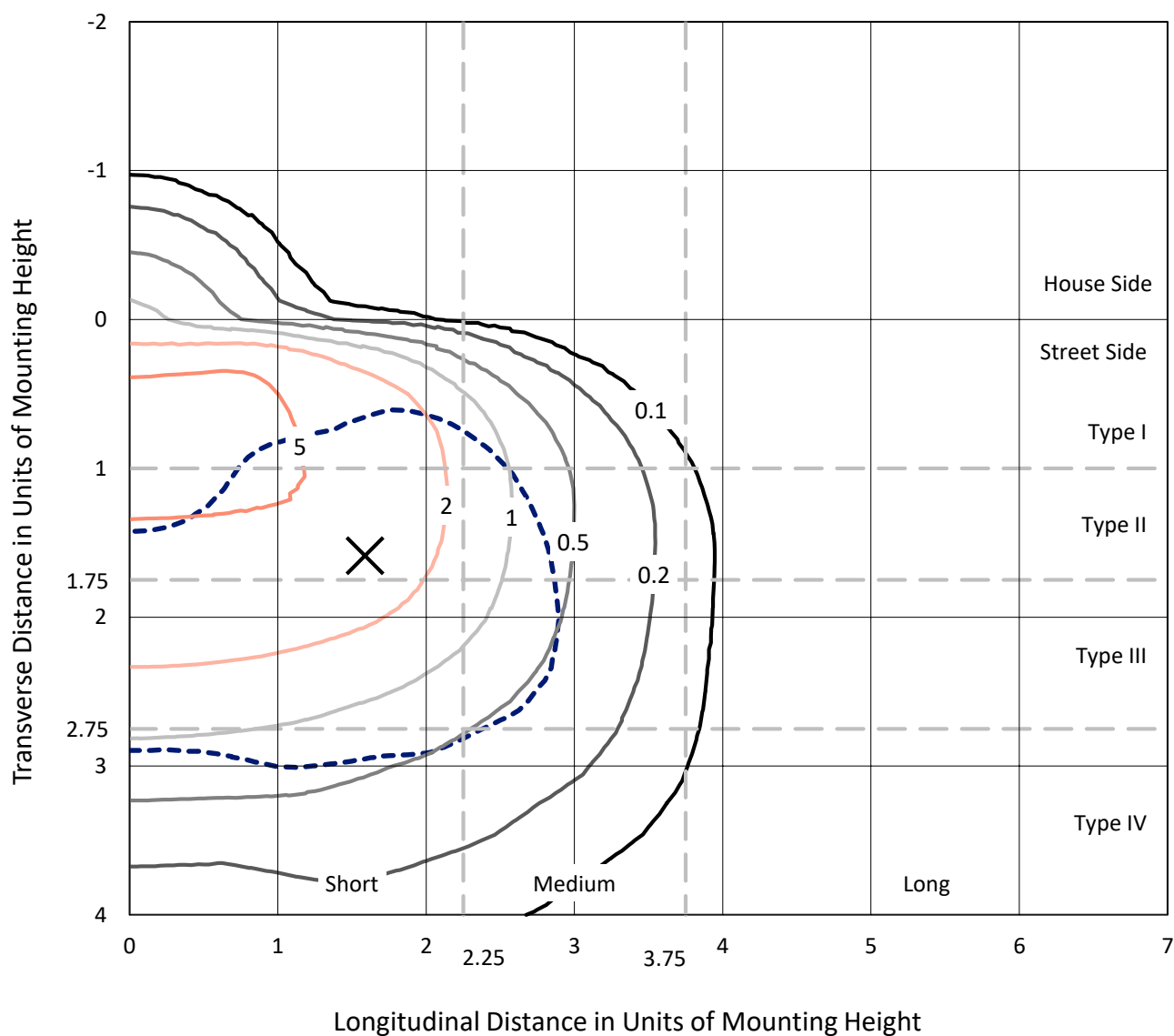


REPORT NUMBER: P181598

CATALOG NUMBER: ICS-E03-LED-E1-T4-HSS-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

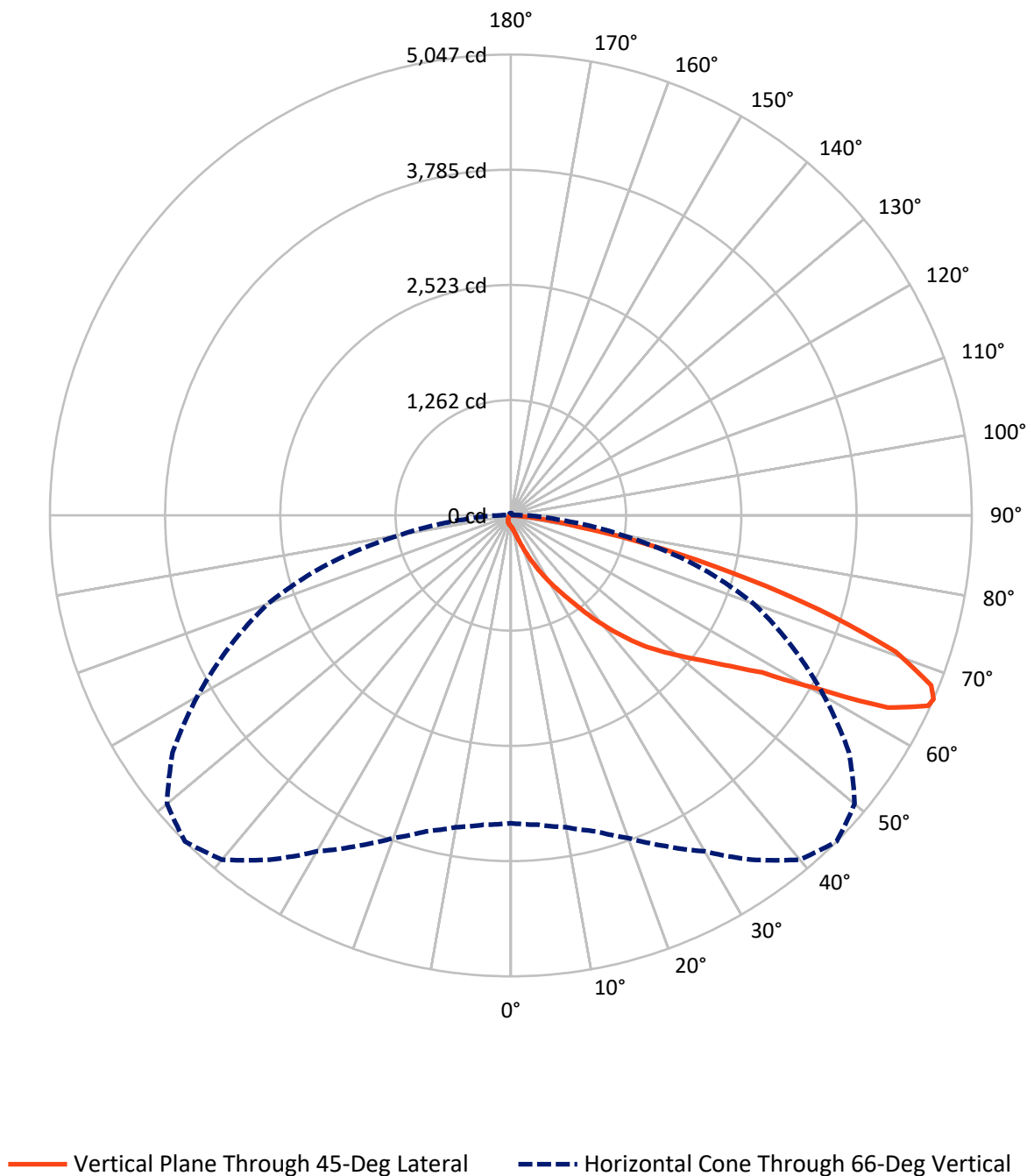


Based on 10 foot mounting height. Maximum calculated value = 7.6 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P181598

CATALOG NUMBER: ICS-E03-LED-E1-T4-HSS-7030

Luminous Intensity Polar Plot



REPORT NUMBER: P181598

CATALOG NUMBER: ICS-E03-LED-E1-T4-HSS-7030

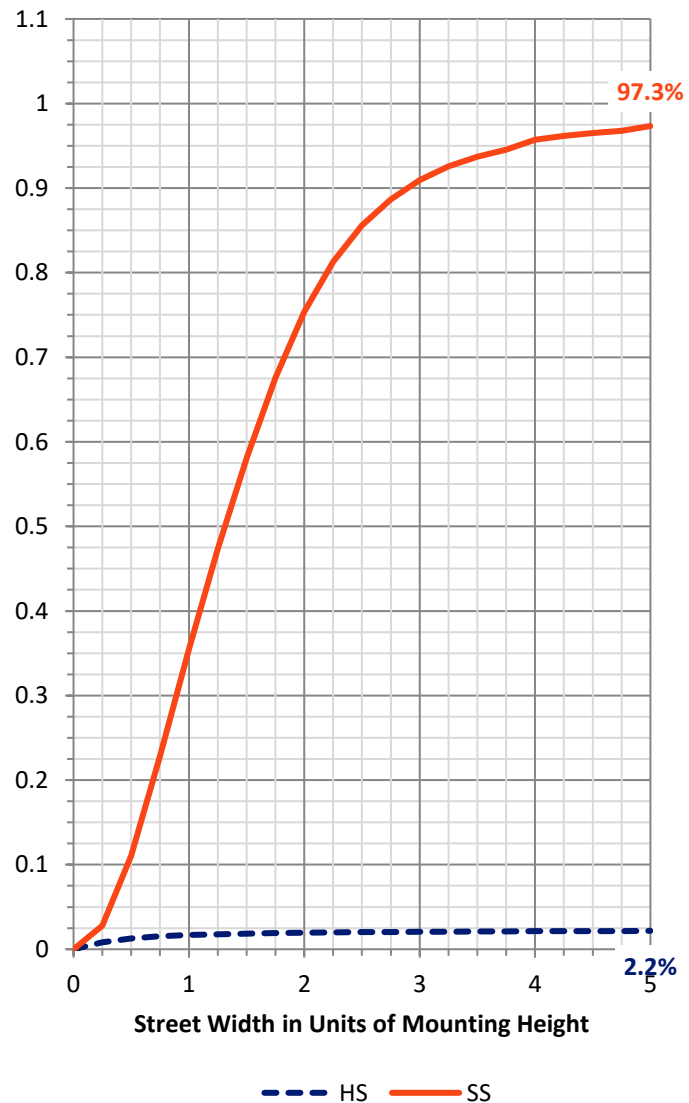
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	108.1	0.0	108.1
	% Fixture	2.3	0.0	2.3
Street Side	Lumens	4661.6	0.0	4661.6
	% Fixture	97.7	0.0	97.7
Total	Lumens	4769.7	0.0	4769.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.0	0.3
10°-20°	48.6	1.0
20°-30°	142.5	3.0
30°-40°	332.9	7.0
40°-50°	625.2	13.1
50°-60°	1036.1	21.7
60°-70°	1644.8	34.5
70°-80°	850.7	17.8
80°-90°	76.8	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°	4769.7	100.0
0°-180°	4769.7	100.0

Coefficient of Utilization



REPORT NUMBER: P181598

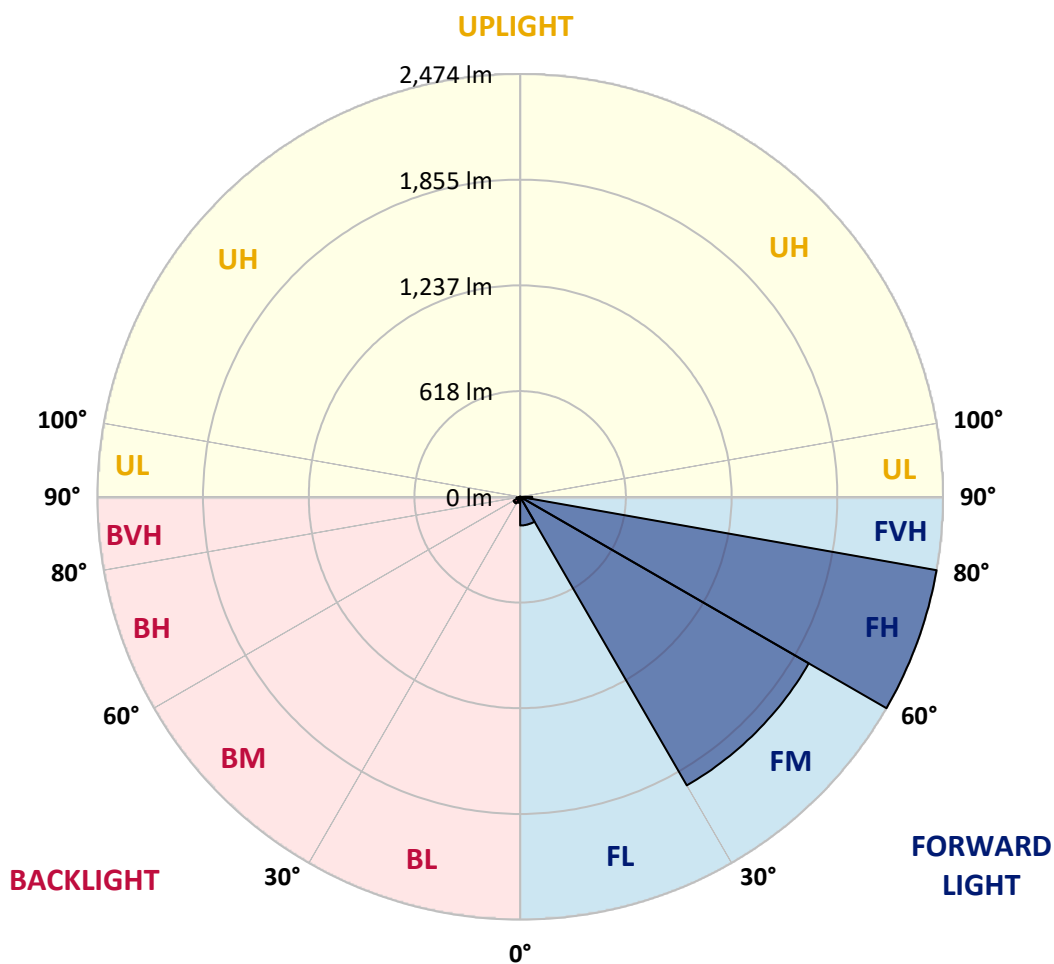
CATALOG NUMBER: ICS-E03-LED-E1-T4-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	167.8	3.5			
FM	(30°-60°)	1949.4	40.9			
FH	(60°-80°)	2473.6	51.9			G2/5000
FVH	(80°-90°)	70.8	1.5			G1/100
BL	(0°-30°)	35.3	0.7	B0/110		
BM	(30°-60°)	44.8	0.9	B0/220		
BH	(60°-80°)	21.9	0.5	B0/110		G0/110
BVH	(80°-90°)	6.1	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-G2

Type IV Short



REPORT NUMBER: P181598

CATALOG NUMBER: ICS-E03-LED-E1-T4-HSS-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	119.2	119.2	119.2	119.2	119.2	119.2	119.2	119.2	119.2	119.2	119.2
2.5°	129.1	129.1	129.1	129.1	128.2	127.4	126.6	125.8	125.0	125.0	124.1
5°	146.3	147.1	146.3	145.5	143.9	143.0	140.6	138.9	136.5	135.6	133.2
7.5°	170.2	169.3	170.2	167.7	164.4	163.6	160.3	156.2	152.9	148.0	144.7
10°	204.7	203.9	204.7	199.8	194.8	190.7	185.0	180.0	172.6	166.9	160.3
12.5°	259.8	259.8	258.1	251.6	245.0	235.9	226.9	216.2	203.0	191.5	180.9
15°	344.4	340.3	332.9	328.8	317.3	303.3	293.5	272.1	253.2	235.1	213.7
17.5°	446.4	438.2	432.4	423.4	408.6	390.5	374.0	342.8	323.9	294.3	263.9
20°	563.1	553.2	551.6	537.6	522.0	502.3	478.4	441.4	409.4	372.4	329.6
22.5°	682.3	684.0	677.4	667.5	651.9	628.9	591.9	558.2	518.7	471.9	416.8
25°	815.5	814.7	808.9	797.4	785.9	757.1	727.5	695.5	648.6	588.6	522.8
27.5°	940.4	939.6	925.6	926.5	904.3	893.6	864.8	830.3	773.6	723.4	651.9
30°	1071.1	1062.9	1053.9	1047.3	1031.7	1012.8	998.0	956.9	914.1	854.9	796.6
32.5°	1203.5	1194.5	1196.9	1188.7	1176.4	1157.5	1135.3	1101.6	1055.5	998.0	943.7
35°	1365.4	1361.3	1354.8	1357.2	1354.8	1340.8	1321.9	1277.5	1227.3	1172.3	1116.4
37.5°	1485.5	1481.4	1485.5	1502.7	1506.8	1515.9	1501.9	1479.7	1443.5	1383.5	1325.2
40°	1596.4	1597.3	1616.2	1637.5	1652.3	1681.9	1686.9	1677.8	1649.1	1594.0	1517.5
42.5°	1695.9	1708.2	1725.5	1760.9	1792.9	1834.8	1866.1	1871.0	1849.6	1813.5	1736.2
45°	1806.9	1817.6	1844.7	1886.6	1931.0	1982.8	2033.0	2059.3	2057.6	2032.1	1949.1
47.5°	1931.0	1945.0	1974.6	2009.1	2068.3	2126.7	2191.6	2238.5	2258.2	2222.9	2142.3
50°	2081.5	2087.2	2112.7	2157.1	2211.3	2278.8	2349.4	2417.7	2456.3	2423.4	2340.4
52.5°	2259.8	2261.5	2285.3	2326.4	2370.0	2444.0	2513.0	2607.6	2657.7	2639.6	2540.2
55°	2504.8	2499.9	2516.3	2551.7	2587.0	2658.5	2727.6	2834.5	2907.6	2909.3	2803.2
57.5°	2839.4	2827.9	2838.6	2866.5	2906.0	2972.6	3059.7	3154.2	3252.1	3245.5	3158.4
60°	3305.5	3301.4	3321.1	3368.0	3435.4	3504.4	3603.1	3730.5	3816.8	3846.4	3755.2
62.5°	3615.4	3626.9	3672.1	3744.5	3874.4	4017.4	4200.7	4395.6	4560.0	4634.0	4508.2
65°	3482.2	3501.2	3571.9	3678.7	3850.5	4065.1	4308.4	4628.2	4911.8	5024.4	4893.7
66°	3369.6	3400.0	3466.6	3580.1	3759.3	3993.6	4247.6	4601.1	4920.0	5046.6	4913.5
67.5°	3174.8	3196.2	3271.8	3397.6	3589.9	3821.8	4096.3	4469.5	4829.6	4963.6	4831.2
70°	2777.7	2786.0	2847.6	2954.5	3103.3	3340.9	3589.9	3949.2	4280.5	4468.7	4324.0
72.5°	2067.5	2079.0	2180.9	2375.8	2568.9	2703.8	2850.9	3138.6	3352.4	3528.3	3500.3
75°	994.7	999.6	1067.9	1352.3	1728.8	1889.9	2026.4	2249.2	2330.5	2477.7	2455.5
77.5°	630.5	641.2	685.6	754.7	968.4	1159.9	1267.6	1395.0	1418.9	1543.0	1470.7
80°	173.5	201.4	245.8	361.7	620.7	739.9	788.4	783.4	788.4	750.5	725.9
82.5°	35.3	34.5	41.9	64.9	273.7	430.8	465.3	396.2	393.8	379.0	391.3
85°	9.0	8.2	9.9	20.6	46.9	127.4	160.3	89.6	68.2	64.9	57.5
87.5°	2.5	2.5	2.5	4.1	4.9	6.6	9.0	6.6	4.9	4.9	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: P181598

CATALOG NUMBER: ICS-E03-LED-E1-T4-HSS-7030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	119.2	119.2	119.2	119.2	119.2	119.2	119.2	119.2	119.2	119.2	119.2
2.5°	123.3	123.3	122.5	121.7	121.7	120.8	120.0	119.2	118.4	117.6	116.7
5°	130.7	129.1	126.6	125.0	123.3	120.8	119.2	117.6	115.9	115.1	113.4
7.5°	140.6	136.5	133.2	128.2	125.0	121.7	118.4	115.9	113.4	111.8	110.2
10°	152.9	146.3	139.8	133.2	127.4	122.5	117.6	113.4	111.0	108.5	106.9
12.5°	168.5	158.7	149.6	139.8	130.7	123.3	116.7	111.8	108.5	106.0	103.6
15°	194.0	178.4	162.8	148.0	136.5	125.0	115.9	110.2	106.0	103.6	101.1
17.5°	234.3	206.3	181.7	161.1	142.2	127.4	115.9	108.5	103.6	100.3	97.8
20°	292.7	246.6	207.2	177.6	152.9	131.5	115.9	106.0	101.1	97.0	94.5
22.5°	361.7	304.2	249.9	200.6	165.2	137.3	115.9	103.6	97.8	94.5	91.2
25°	462.8	386.4	312.4	243.3	185.8	146.3	118.4	101.9	95.4	91.2	88.0
27.5°	581.2	489.1	397.1	300.1	217.0	159.5	121.7	100.3	92.9	88.0	84.7
30°	716.0	614.1	501.5	375.7	258.1	176.7	127.4	99.5	89.6	84.7	80.6
32.5°	862.3	754.7	631.3	472.7	319.0	203.0	134.8	98.6	86.3	80.6	75.6
35°	1036.6	936.3	785.9	609.1	413.5	248.3	151.3	100.3	83.0	76.5	70.7
37.5°	1227.3	1120.5	961.0	753.8	507.2	299.2	163.6	97.8	77.3	70.7	64.9
40°	1419.7	1297.2	1135.3	905.9	626.4	361.7	179.2	95.4	71.5	64.9	59.2
42.5°	1607.1	1478.1	1302.1	1062.1	752.2	435.7	198.9	95.4	67.4	59.2	53.4
45°	1803.6	1648.2	1455.9	1211.7	877.1	520.4	226.9	94.5	62.5	54.3	47.7
47.5°	1989.4	1805.2	1584.1	1343.2	1011.1	613.3	258.9	95.4	58.4	49.3	43.6
50°	2165.3	1954.0	1715.6	1460.8	1139.4	713.5	298.4	96.2	54.3	45.2	39.5
52.5°	2357.7	2123.4	1857.0	1581.6	1266.0	814.7	344.4	97.8	50.1	41.1	36.2
55°	2596.1	2336.3	2031.3	1729.6	1400.0	916.6	388.8	99.5	46.0	37.8	32.9
57.5°	2939.7	2643.7	2314.1	1951.6	1577.5	1032.5	434.9	103.6	42.7	35.3	30.4
60°	3498.7	3146.0	2765.4	2337.9	1843.1	1189.5	501.5	112.6	38.6	32.1	28.8
62.5°	4171.1	3746.9	3262.8	2744.0	2093.0	1295.6	545.8	122.5	35.3	29.6	27.1
65°	4509.8	3975.5	3417.3	2857.5	2125.0	1264.3	527.8	119.2	31.2	26.3	23.0
66°	4519.7	3963.2	3395.9	2832.8	2092.1	1226.5	510.5	117.6	30.4	25.5	21.4
67.5°	4426.0	3857.1	3282.5	2721.0	1995.1	1153.4	479.3	111.8	28.0	23.0	18.9
70°	3963.2	3409.1	2882.1	2363.4	1716.5	971.7	402.0	98.6	24.7	20.6	17.3
72.5°	3159.2	2707.9	2264.0	1859.5	1334.2	729.2	317.3	80.6	21.4	18.1	14.8
75°	2206.4	1835.7	1497.8	1209.3	838.5	436.5	205.5	56.7	18.1	14.8	12.3
77.5°	1231.4	976.6	738.2	562.3	334.6	136.5	68.2	28.8	15.6	11.5	9.9
80°	626.4	464.5	353.5	260.6	154.5	70.7	34.5	18.9	12.3	9.0	8.2
82.5°	364.2	267.2	212.9	168.5	106.0	53.4	28.0	14.0	8.2	6.6	7.4
85°	81.4	107.7	91.2	77.3	56.7	33.7	19.7	9.0	5.8	5.8	6.6
87.5°	6.6	9.0	8.2	10.7	11.5	10.7	8.2	4.9	4.1	4.9	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: P181598

CATALOG NUMBER: ICS-E03-LED-E1-T4-HSS-7030

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	119.2	119.2	119.2	119.2	119.2	119.2	119.2	119.2	119.2	119.2	119.2
2.5°	115.9	115.1	115.1	114.3	113.4	113.4	113.4	112.6	113.4	113.4	113.4
5°	112.6	111.8	111.0	110.2	109.3	108.5	108.5	107.7	107.7	107.7	108.5
7.5°	109.3	107.7	106.9	105.2	104.4	103.6	103.6	102.8	102.8	102.8	102.8
10°	105.2	103.6	101.9	101.1	100.3	98.6	98.6	97.8	97.0	97.0	97.0
12.5°	101.9	100.3	98.6	97.0	95.4	94.5	93.7	92.9	92.1	92.1	92.1
15°	98.6	96.2	94.5	92.9	91.2	89.6	88.8	88.0	87.1	86.3	86.3
17.5°	95.4	92.9	90.4	88.8	87.1	85.5	84.7	82.2	82.2	81.4	81.4
20°	91.2	88.8	86.3	84.7	83.0	81.4	79.7	78.1	76.5	75.6	75.6
22.5°	88.0	85.5	83.0	80.6	78.1	75.6	74.0	72.3	71.5	70.7	69.9
25°	84.7	81.4	78.1	75.6	73.2	70.7	69.1	67.4	65.8	64.9	64.9
27.5°	80.6	77.3	74.0	70.7	68.2	65.8	64.1	61.7	60.8	60.0	59.2
30°	76.5	72.3	69.1	65.8	63.3	60.0	58.4	56.7	55.1	55.1	54.3
32.5°	71.5	67.4	64.1	60.8	57.5	55.1	53.4	51.8	51.0	49.3	49.3
35°	66.6	62.5	58.4	55.1	52.6	50.1	48.5	46.9	45.2	44.4	44.4
37.5°	60.8	56.7	53.4	50.1	47.7	45.2	43.6	41.9	41.1	40.3	39.5
40°	54.3	50.1	47.7	45.2	42.7	41.1	38.6	37.0	36.2	35.3	34.5
42.5°	48.5	44.4	42.7	41.1	38.6	37.0	34.5	32.9	31.2	30.4	29.6
45°	43.6	40.3	38.6	37.0	34.5	32.1	30.4	28.8	27.1	26.3	26.3
47.5°	38.6	36.2	34.5	32.9	30.4	28.8	26.3	25.5	23.8	23.8	23.8
50°	35.3	32.9	31.2	29.6	28.0	25.5	23.8	23.0	22.2	22.2	23.0
52.5°	32.9	30.4	28.8	27.1	25.5	23.8	22.2	21.4	21.4	22.2	23.0
55°	30.4	28.0	26.3	24.7	23.0	22.2	20.6	20.6	21.4	22.2	23.0
57.5°	28.8	25.5	23.8	23.0	21.4	20.6	20.6	20.6	21.4	22.2	23.8
60°	26.3	23.0	21.4	21.4	19.7	19.7	19.7	20.6	21.4	23.0	23.8
62.5°	23.0	20.6	19.7	19.7	18.9	18.9	19.7	20.6	22.2	23.0	23.8
65°	19.7	18.1	18.1	18.1	18.1	18.9	19.7	20.6	21.4	23.0	23.8
66°	18.1	17.3	17.3	18.1	18.1	18.9	19.7	20.6	21.4	22.2	23.0
67.5°	17.3	16.4	16.4	17.3	18.1	18.1	18.9	20.6	21.4	22.2	22.2
70°	14.8	14.8	14.8	16.4	17.3	18.1	18.9	19.7	20.6	21.4	22.2
72.5°	13.2	13.2	14.0	14.8	16.4	17.3	18.1	18.9	20.6	21.4	21.4
75°	11.5	11.5	13.2	14.0	15.6	16.4	18.1	18.9	19.7	20.6	20.6
77.5°	9.9	10.7	12.3	14.0	14.8	16.4	17.3	18.1	18.9	19.7	19.7
80°	9.0	10.7	12.3	13.2	14.0	14.8	15.6	17.3	18.1	18.9	19.7
82.5°	9.0	9.9	11.5	12.3	13.2	14.8	15.6	16.4	17.3	18.1	18.9
85°	7.4	9.0	9.9	11.5	12.3	14.0	14.8	14.8	15.6	16.4	17.3
87.5°	5.8	6.6	6.6	8.2	9.0	10.7	12.3	12.3	13.2	14.0	14.8
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: P181598

CATALOG NUMBER: ICS-E03-LED-E1-T4-HSS-7030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	119.2	119.2	119.2	119.2
2.5°	113.4	114.3	114.3	114.3
5°	108.5	108.5	108.5	108.5
7.5°	102.8	102.8	102.8	102.8
10°	97.0	97.0	97.8	97.0
12.5°	92.1	91.2	91.2	91.2
15°	86.3	86.3	85.5	86.3
17.5°	80.6	80.6	79.7	79.7
20°	74.8	74.8	74.8	74.8
22.5°	69.9	69.1	69.1	69.1
25°	64.1	64.1	64.1	64.1
27.5°	59.2	59.2	59.2	59.2
30°	54.3	54.3	53.4	53.4
32.5°	49.3	49.3	49.3	49.3
35°	44.4	44.4	43.6	43.6
37.5°	38.6	38.6	38.6	38.6
40°	33.7	33.7	33.7	33.7
42.5°	29.6	29.6	28.8	28.8
45°	25.5	25.5	25.5	25.5
47.5°	23.8	23.8	23.8	23.8
50°	23.0	23.8	23.8	23.8
52.5°	23.8	23.8	23.8	23.8
55°	23.8	24.7	24.7	24.7
57.5°	23.8	24.7	24.7	25.5
60°	24.7	25.5	25.5	25.5
62.5°	24.7	25.5	25.5	25.5
65°	23.8	24.7	24.7	24.7
66°	23.8	23.8	23.8	24.7
67.5°	23.0	23.8	23.8	23.8
70°	22.2	23.0	23.0	23.8
72.5°	22.2	23.0	23.0	23.0
75°	21.4	21.4	22.2	22.2
77.5°	20.6	20.6	21.4	21.4
80°	19.7	20.6	20.6	20.6
82.5°	18.9	19.7	19.7	19.7
85°	17.3	18.1	18.1	18.1
87.5°	14.8	14.8	15.6	15.6
90°	0.0	0.0	0.0	0.0

(END OF REPORT)