

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: P181479

Luminaire Tested: **ICS-E01-LED-E1-T3**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181479
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33672)
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-T3
Description: ICON SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3
Light Source: (21) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2775.6 lumens
Efficiency: N/A
Efficacy: 112.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G1

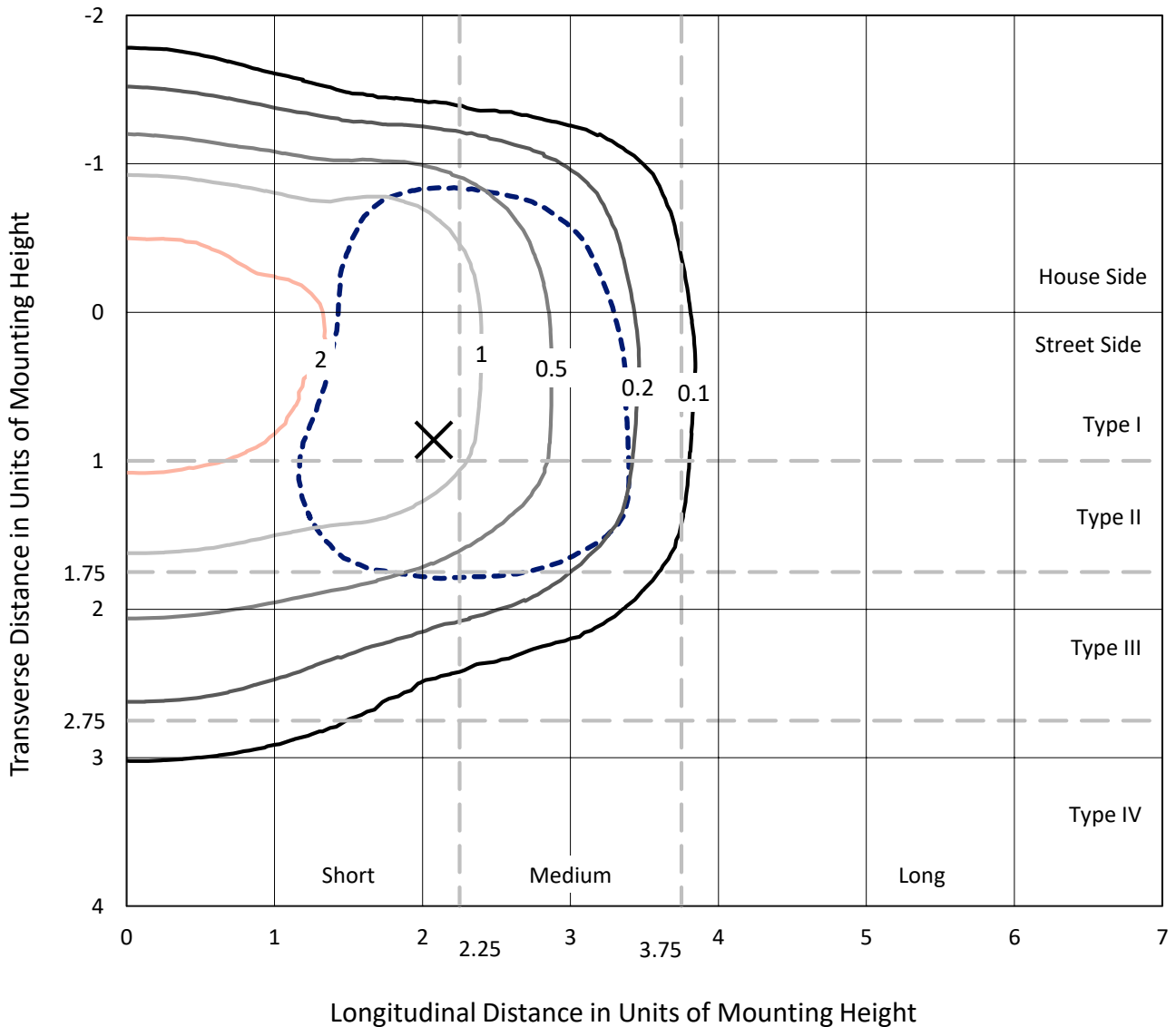
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P181479
 CATALOG NUMBER: ICS-E01-LED-E1-T3

Iso-Footcandle Lines of Horizontal Illumination

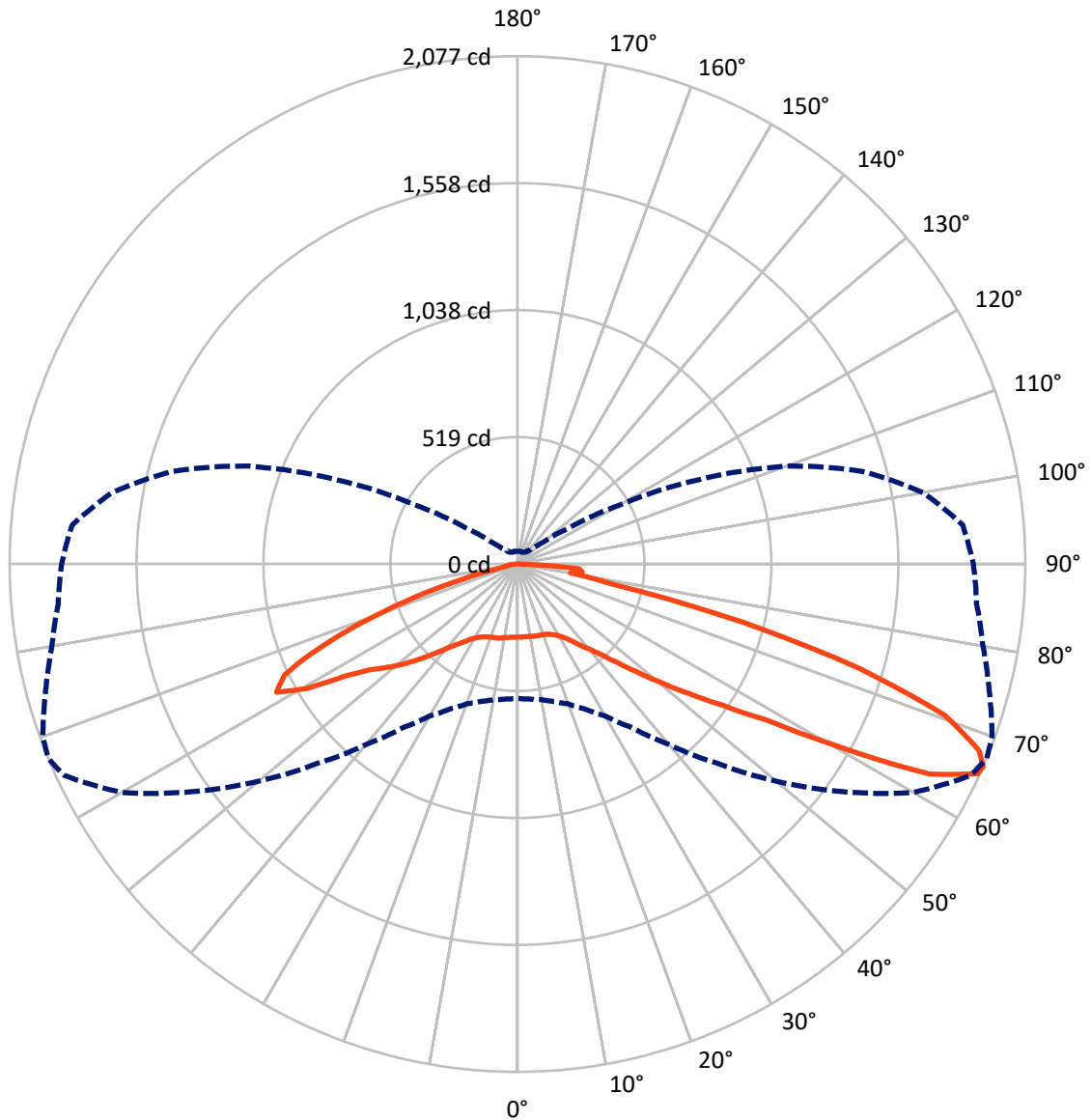
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3 fc
 Type III - Short - Semi-Cutoff

REPORT NUMBER: P181479
CATALOG NUMBER: ICS-E01-LED-E1-T3

Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

REPORT NUMBER: P181479

CATALOG NUMBER: ICS-E01-LED-E1-T3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	958.5	0.0	958.5
	% Fixture	34.5	0.0	34.5
Street Side	Lumens	1817.1	0.0	1817.1
	% Fixture	65.5	0.0	65.5
Total	Lumens	2775.6	0.0	2775.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.6	1.0
10°-20°	84.5	3.0
20°-30°	145.3	5.2
30°-40°	235.9	8.5
40°-50°	393.9	14.2
50°-60°	620.3	22.3
60°-70°	845.8	30.5
70°-80°	366.1	13.2
80°-90°	55.1	2.0
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°	2775.6	100.0
0°-180°	2775.6	100.0



REPORT NUMBER: P181479

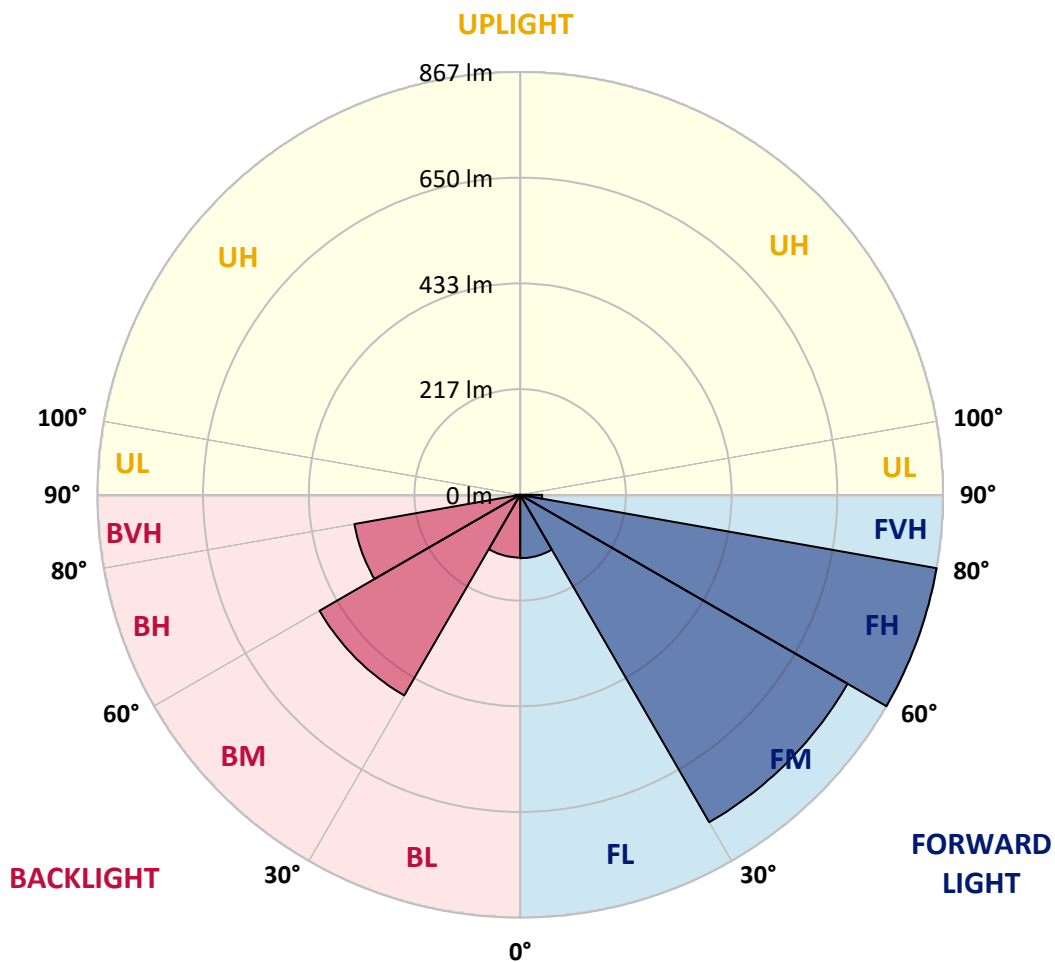
CATALOG NUMBER: ICS-E01-LED-E1-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	129.8	4.7			
FM	(30°-60°)	775.1	27.9			
FH	(60°-80°)	866.9	31.2			G1/1800
FVH	(80°-90°)	45.2	1.6			G1/100
BL	(0°-30°)	128.7	4.6	B1/500		
BM	(30°-60°)	475.0	17.1	B1/1000		
BH	(60°-80°)	345.0	12.4	B1/500		G1/500
BVH	(80°-90°)	9.8	0.4			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





REPORT NUMBER: P181479

CATALOG NUMBER: ICS-E01-LED-E1-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	299.1	299.1	299.1	299.1	299.1	299.1	299.1	299.1	299.1	299.1	299.1
2.5°	300.3	301.5	300.3	300.6	300.9	300.6	300.3	300.3	299.4	300.0	300.6
5°	299.1	300.0	299.7	300.0	300.3	300.0	299.7	300.0	299.4	299.7	300.6
7.5°	297.6	297.3	297.6	298.2	298.8	298.8	298.8	299.1	298.8	298.8	299.7
10°	293.1	293.4	294.0	294.9	295.2	296.1	296.1	297.0	297.3	297.9	299.1
12.5°	287.4	287.7	288.3	288.9	290.4	291.9	291.9	294.0	294.9	296.4	298.5
15°	283.2	283.5	284.1	284.7	285.9	287.4	288.3	290.7	292.2	294.9	297.9
17.5°	285.6	285.3	285.9	286.2	286.2	287.4	287.4	289.2	291.0	293.4	297.3
20°	292.5	292.5	293.1	293.1	292.8	293.4	292.2	292.2	292.5	293.7	296.4
22.5°	299.4	299.1	300.3	300.9	301.2	302.1	300.9	300.6	299.1	298.2	299.1
25°	306.0	305.7	307.2	308.1	309.6	310.5	310.5	310.5	309.3	307.8	306.9
27.5°	316.2	316.2	317.7	318.6	319.8	321.6	322.5	322.5	322.8	320.7	319.2
30°	333.3	333.6	333.9	335.1	336.3	336.9	338.1	339.0	339.9	338.7	336.3
32.5°	353.7	351.9	351.9	353.7	355.2	357.0	357.6	358.8	360.6	359.7	359.4
35°	378.0	377.4	376.8	377.4	379.2	381.3	383.7	385.8	384.6	386.4	385.5
37.5°	414.0	414.6	414.9	414.9	414.6	415.2	416.4	418.5	417.9	418.5	419.7
40°	473.4	471.3	469.2	469.5	466.5	467.1	462.3	464.4	464.7	462.6	463.5
42.5°	532.8	534.0	534.9	537.3	535.2	534.0	529.5	529.5	527.1	525.0	524.4
45°	597.0	599.4	599.7	604.5	602.7	606.6	609.9	609.0	605.1	604.8	600.6
47.5°	648.3	652.2	656.4	662.1	666.6	675.3	685.5	690.6	693.6	696.0	691.2
50°	686.7	688.5	699.3	708.3	718.2	732.6	746.7	765.0	779.7	786.6	793.2
52.5°	707.4	711.9	723.6	737.7	755.1	776.7	799.5	828.6	853.8	870.6	885.6
55°	711.9	716.4	729.6	747.6	771.3	800.4	833.1	872.7	910.5	943.0	974.5
57.5°	699.3	704.4	718.5	739.2	767.1	802.5	843.6	895.5	947.8	1000.3	1046.8
60°	676.2	682.5	695.4	715.8	746.7	786.6	835.8	900.9	974.2	1054.6	1143.7
62.5°	638.1	644.7	656.7	679.2	711.0	755.1	812.1	893.1	996.7	1123.3	1281.4
65°	576.9	579.9	594.6	617.4	645.6	694.2	756.9	854.7	989.5	1165.6	1383.4
66°	549.3	554.4	563.4	581.7	608.7	654.3	717.3	816.6	962.2	1150.9	1380.7
67.5°	506.1	510.0	516.0	528.3	544.8	578.4	638.1	732.0	878.7	1076.5	1323.4
70°	409.2	411.0	419.1	423.3	429.0	440.1	461.7	515.7	630.0	815.7	1068.1
72.5°	279.0	284.1	292.8	304.8	320.4	335.4	345.6	352.5	377.1	486.6	711.6
75°	204.6	210.0	221.1	237.0	264.3	295.5	327.9	342.9	332.7	318.6	396.3
77.5°	118.8	126.0	135.3	150.6	175.8	217.2	272.7	321.9	355.2	357.3	339.3
80°	50.1	51.0	56.7	64.5	80.1	109.2	152.4	223.2	297.0	346.8	358.5
82.5°	11.4	14.1	18.0	21.3	26.1	36.0	53.4	88.8	160.5	251.7	328.2
85°	4.2	4.2	5.7	8.4	9.6	10.8	14.1	22.5	38.4	70.8	147.6
87.5°	0.0	0.3	0.6	0.6	1.2	1.5	2.4	3.3	3.0	2.7	9.0
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: P181479

CATALOG NUMBER: ICS-E01-LED-E1-T3

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	299.1	299.1	299.1	299.1	299.1	299.1	299.1	299.1	299.1	299.1	299.1
2.5°	300.0	299.7	299.1	299.1	299.1	299.1	298.5	298.8	298.2	298.5	298.5
5°	299.7	299.7	299.4	298.8	299.1	299.1	299.4	298.8	298.8	299.1	298.8
7.5°	299.7	299.4	299.4	299.4	299.7	299.4	299.7	299.7	299.7	300.0	300.0
10°	299.7	299.7	300.3	300.6	300.6	300.9	301.8	301.8	302.1	302.4	303.0
12.5°	300.0	301.2	302.1	303.0	303.3	303.9	305.4	305.4	306.0	306.9	307.2
15°	300.3	302.1	303.9	304.5	305.1	306.3	307.8	308.4	309.3	310.2	310.8
17.5°	300.0	302.4	304.5	305.4	306.3	307.8	309.6	310.2	311.4	312.6	313.8
20°	299.7	303.0	306.3	307.5	308.7	310.8	313.2	314.7	315.9	317.7	318.9
22.5°	301.5	305.4	309.9	311.7	313.8	316.5	319.8	321.6	323.1	324.9	325.8
25°	307.2	310.2	315.6	318.6	321.3	325.8	330.3	332.4	334.2	335.7	336.0
27.5°	316.8	317.7	324.3	328.2	332.1	339.3	344.7	346.2	349.5	350.7	350.4
30°	332.4	330.9	336.3	342.3	348.0	357.9	364.5	368.4	371.4	371.4	369.0
32.5°	354.9	352.5	354.0	360.9	367.5	381.9	389.7	394.8	396.9	396.3	391.2
35°	384.3	382.8	381.9	387.3	397.8	414.6	424.8	427.5	430.8	430.2	423.6
37.5°	419.1	417.9	417.9	424.2	434.4	459.3	470.4	472.2	471.9	467.1	454.8
40°	460.2	459.6	456.9	460.5	469.2	501.6	516.6	519.0	515.7	507.9	493.5
42.5°	519.3	515.7	507.3	509.4	516.0	547.5	567.0	573.6	570.3	562.5	539.1
45°	596.4	592.5	578.4	576.6	580.2	607.8	633.0	634.5	633.9	624.0	596.4
47.5°	687.0	681.0	666.0	661.2	660.0	685.5	709.8	712.2	710.7	696.0	659.1
50°	785.1	776.4	766.5	763.2	758.4	776.7	801.3	801.6	795.6	775.2	740.7
52.5°	889.8	886.8	885.0	881.7	879.6	895.5	910.5	901.5	892.5	871.2	841.2
55°	995.5	1007.8	1020.4	1021.6	1025.2	1042.3	1042.0	1017.4	1010.8	999.1	969.4
57.5°	1107.7	1153.3	1192.9	1205.2	1217.2	1249.0	1246.0	1221.7	1213.3	1198.9	1174.3
60°	1260.4	1383.4	1497.7	1525.0	1543.9	1582.0	1578.4	1540.9	1558.3	1557.1	1525.3
62.5°	1474.3	1678.9	1850.2	1892.2	1905.4	1909.6	1886.8	1846.3	1863.4	1882.6	1784.8
65°	1619.2	1859.8	2035.6	2068.0	2069.8	2019.7	1969.0	1921.3	1917.1	1900.6	1760.8
66°	1622.5	1868.8	2045.2	2076.7	2065.6	1997.2	1933.0	1885.0	1864.3	1828.0	1683.1
67.5°	1564.3	1812.7	2002.6	2035.9	2011.6	1914.7	1826.2	1764.4	1723.9	1665.1	1537.3
70°	1313.8	1560.1	1794.1	1856.2	1864.0	1719.4	1596.7	1524.1	1469.5	1388.8	1278.7
72.5°	976.9	1199.5	1405.9	1465.3	1495.6	1380.1	1276.6	1221.4	1146.7	1061.8	983.5
75°	612.3	769.5	907.8	949.6	921.1	831.6	769.5	746.4	672.9	622.2	586.5
77.5°	350.1	399.3	410.4	394.5	360.9	276.3	196.5	145.5	126.3	139.8	154.2
80°	341.7	313.2	249.6	219.6	198.9	136.8	80.4	55.2	45.9	47.1	51.0
82.5°	370.2	397.2	327.0	266.7	223.8	151.2	83.4	44.4	30.0	35.4	39.9
85°	240.6	334.8	301.5	254.1	205.8	129.3	68.7	23.1	15.3	20.1	27.6
87.5°	24.3	26.7	22.8	30.9	23.1	10.8	5.4	3.3	3.0	3.6	5.4
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: P181479

CATALOG NUMBER: ICS-E01-LED-E1-T3

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	299.1	299.1	299.1	299.1	299.1	299.1	299.1	299.1	299.1	299.1	299.1
2.5°	298.8	298.8	299.1	299.4	299.7	300.0	300.0	300.0	300.0	300.6	300.3
5°	299.4	300.0	300.6	300.9	301.5	301.5	302.4	302.1	302.1	303.0	303.3
7.5°	300.6	301.5	302.7	302.4	303.6	303.3	303.9	303.9	303.0	303.3	302.7
10°	303.3	304.5	305.1	304.2	304.5	303.3	303.0	301.5	299.7	298.8	297.6
12.5°	307.8	309.0	309.0	307.5	305.7	303.0	300.9	297.6	294.9	293.4	291.9
15°	311.7	312.9	312.6	310.2	307.5	303.3	300.3	296.4	292.5	290.1	288.6
17.5°	314.7	315.3	314.4	311.1	308.1	304.2	301.2	297.0	292.5	289.5	286.8
20°	319.2	318.6	316.5	312.3	309.0	305.4	303.0	299.4	294.3	290.4	286.5
22.5°	325.8	323.4	319.5	315.0	311.7	308.4	306.0	302.1	297.0	292.2	287.7
25°	334.5	329.7	324.3	319.5	316.5	312.9	310.2	306.0	300.6	295.2	289.8
27.5°	347.1	338.7	331.8	327.6	324.3	319.8	316.5	311.1	305.4	299.1	293.1
30°	361.2	349.8	343.2	339.9	336.3	331.5	326.4	319.5	312.9	306.0	298.8
32.5°	379.5	365.7	359.4	356.1	351.3	345.3	339.3	331.5	322.2	313.2	304.5
35°	403.5	389.4	382.8	377.7	371.1	363.3	354.6	344.1	331.5	319.5	308.4
37.5°	429.3	414.0	407.7	402.3	392.4	382.2	369.9	354.6	337.5	321.6	307.8
40°	462.0	447.9	439.8	430.5	418.8	401.1	381.9	359.7	337.8	318.3	302.1
42.5°	503.4	489.3	477.3	462.6	442.2	414.9	387.6	358.8	332.4	310.2	292.8
45°	558.3	541.2	520.5	494.7	461.7	423.6	387.9	353.1	322.2	297.6	279.0
47.5°	625.5	599.4	565.5	522.0	474.6	426.0	383.1	341.7	306.3	279.6	258.9
50°	705.3	664.2	608.4	544.5	481.2	422.4	371.1	324.6	283.8	255.3	230.7
52.5°	796.5	729.3	647.1	560.7	480.9	410.4	350.7	298.8	254.4	222.6	199.2
55°	903.6	803.7	687.0	572.7	472.5	388.2	319.5	262.5	218.1	188.7	167.1
57.5°	1060.6	924.4	756.6	591.3	455.7	354.0	277.2	219.0	180.0	152.1	133.8
60°	1347.4	1125.7	882.0	628.8	429.9	303.9	227.7	172.5	139.8	117.3	105.0
62.5°	1563.4	1281.4	949.9	620.4	378.0	242.1	168.9	125.7	102.9	87.6	79.8
65°	1532.5	1233.1	877.5	534.3	296.4	170.7	112.2	85.5	70.8	63.6	59.1
66°	1462.6	1170.1	814.8	480.9	256.2	141.9	92.4	71.7	60.9	55.8	52.8
67.5°	1330.0	1053.1	702.6	394.2	196.8	102.9	69.6	56.7	49.5	47.4	45.3
70°	1105.6	839.7	493.2	229.5	100.5	57.3	44.1	39.6	37.8	37.5	36.9
72.5°	847.2	594.3	290.4	108.6	52.2	38.1	34.2	32.7	32.1	32.1	32.4
75°	519.3	333.9	128.4	53.1	36.6	32.1	30.3	29.7	29.4	29.7	29.4
77.5°	173.4	106.2	54.9	40.2	33.3	29.7	28.5	27.9	27.9	27.9	27.9
80°	53.1	46.2	42.0	37.2	31.5	28.2	26.4	26.1	26.4	26.7	25.8
82.5°	39.9	37.8	35.4	33.0	28.5	25.2	24.6	24.6	24.6	23.7	22.5
85°	29.4	29.1	24.0	22.5	21.0	21.0	21.0	21.0	20.1	18.6	17.4
87.5°	5.4	5.1	5.4	5.7	8.4	9.0	9.0	9.6	10.5	9.9	9.9
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: P181479

CATALOG NUMBER: ICS-E01-LED-E1-T3

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
0°	299.1	299.1	299.1	299.1	299.1
2.5°	300.3	300.0	300.9	300.3	300.6
5°	303.0	302.7	303.3	302.7	303.6
7.5°	302.1	301.5	301.2	301.5	301.8
10°	295.8	295.2	294.9	294.6	294.9
12.5°	290.4	289.2	289.2	288.6	288.9
15°	286.5	285.6	285.3	284.7	285.0
17.5°	284.7	283.2	282.6	282.0	282.0
20°	283.5	281.7	280.8	280.2	279.9
22.5°	283.5	280.8	279.6	279.0	278.7
25°	284.7	281.4	279.6	278.7	278.4
27.5°	287.1	282.9	280.8	279.6	279.6
30°	291.3	285.9	282.9	281.4	281.1
32.5°	295.5	288.3	284.1	282.3	281.7
35°	297.6	288.3	283.2	280.2	279.6
37.5°	295.2	284.4	278.1	273.6	272.7
40°	287.7	276.3	269.4	265.2	264.6
42.5°	277.8	266.7	258.6	255.6	254.7
45°	264.3	251.1	243.0	238.8	239.1
47.5°	241.2	227.7	220.5	216.6	217.2
50°	213.9	200.7	194.4	190.2	191.1
52.5°	183.9	171.9	165.9	163.8	163.2
55°	152.4	143.1	138.9	136.5	135.6
57.5°	123.6	117.0	114.0	111.0	111.3
60°	97.5	94.2	93.3	90.0	89.7
62.5°	76.8	74.7	73.8	71.4	71.7
65°	58.2	57.6	58.2	56.7	57.3
66°	52.5	52.8	52.8	51.9	52.5
67.5°	45.3	45.9	46.8	45.9	46.5
70°	37.5	38.1	38.7	38.7	38.7
72.5°	32.7	33.3	33.6	33.6	33.6
75°	30.0	30.3	30.6	30.0	30.0
77.5°	28.2	28.2	27.6	27.3	27.0
80°	25.5	25.2	24.3	23.7	23.7
82.5°	21.3	20.7	20.1	19.2	19.2
85°	16.2	15.6	15.0	13.8	13.2
87.5°	8.4	8.7	8.4	6.9	6.0
90°	0.0	0.0	0.0	0.0	0.0

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