

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: P181678

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181678
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33673)
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-T4-7030
Description: ICON SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2484.3 lumens
Efficiency: N/A
Efficacy: 100.6 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: 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



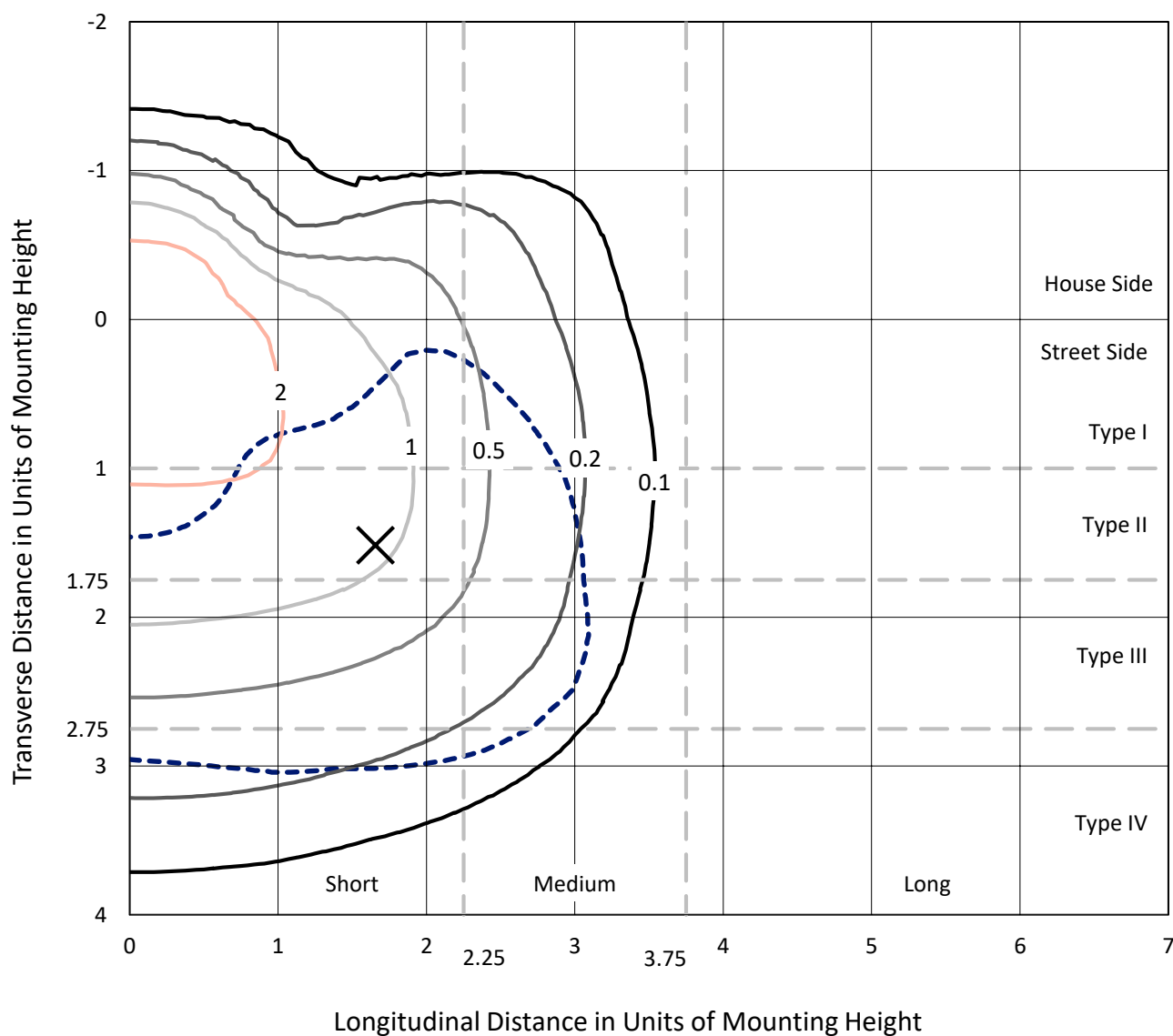
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

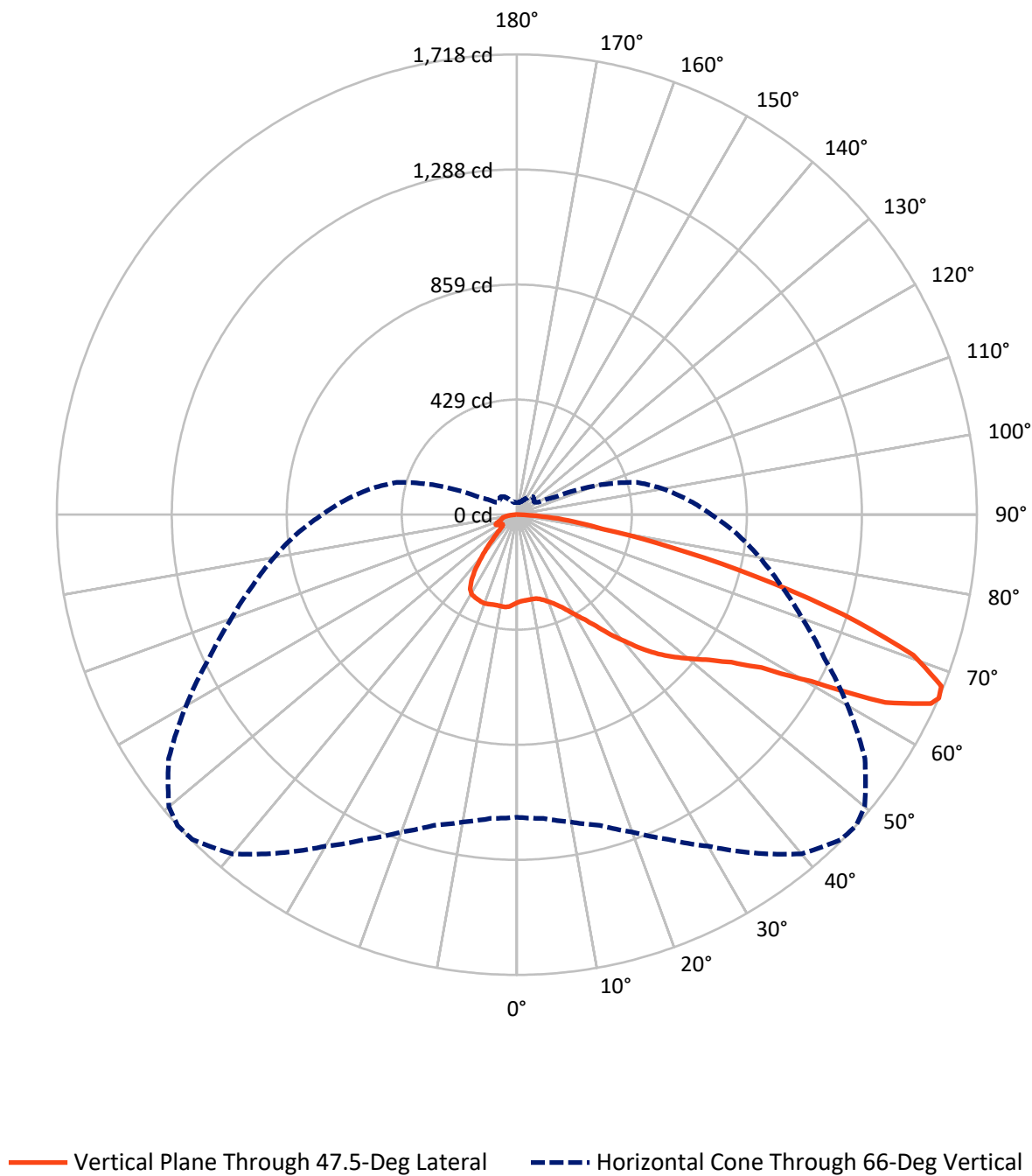


Based on 10 foot mounting height. Maximum calculated value = 3.4 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	530.1	0.0	530.1
	% Fixture	21.3	0.0	21.3
Street Side	Lumens	1954.2	0.0	1954.2
	% Fixture	78.7	0.0	78.7
Total	Lumens	2484.3	0.0	2484.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.8	1.3
10°-20°	96.5	3.9
20°-30°	166.3	6.7
30°-40°	251.6	10.1
40°-50°	326.1	13.1
50°-60°	449.6	18.1
60°-70°	698.5	28.1
70°-80°	406.2	16.3
80°-90°	57.8	2.3
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°	2484.3	100.0
0°-180°	2484.3	100.0

Coefficient of Utilization



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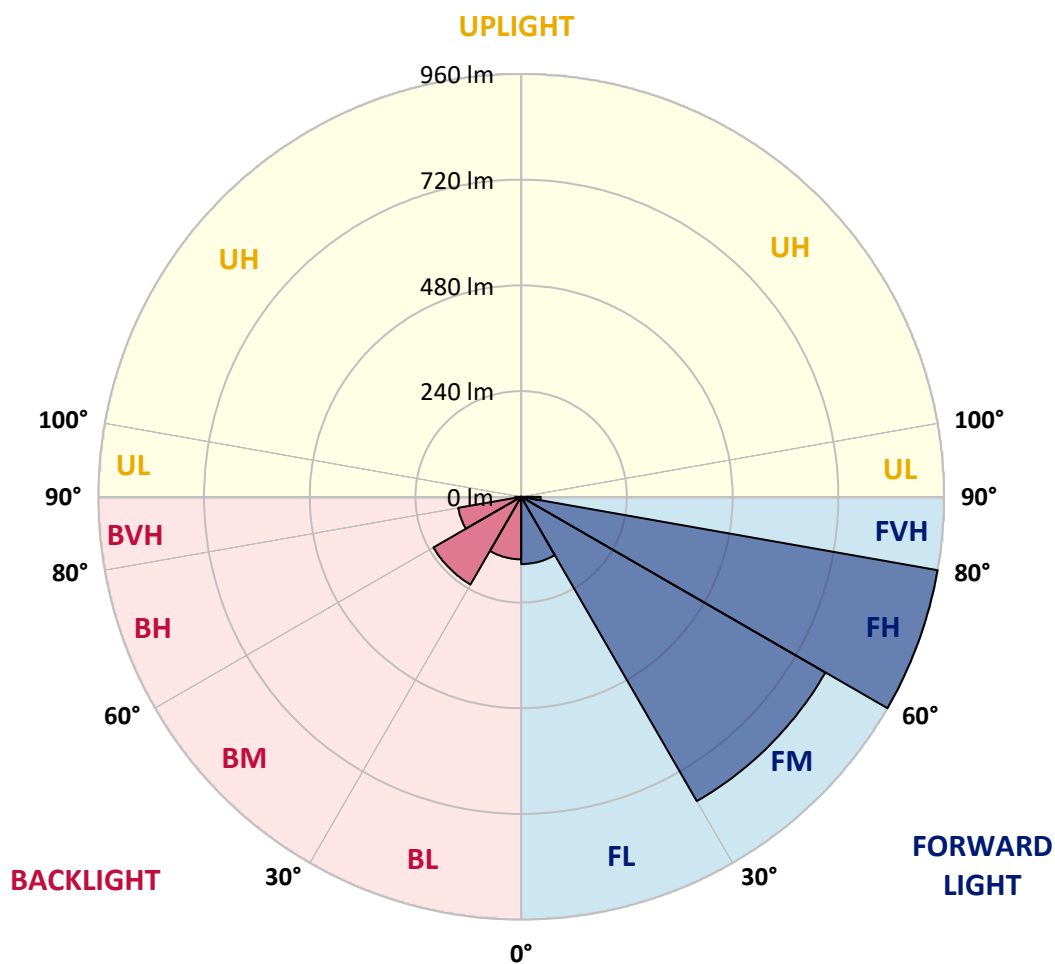
CATALOG NUMBER: ICS-E01-LED-E1-T4-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	152.7	6.1			
FM	(30°-60°)	797.5	32.1			
FH	(60°-80°)	959.7	38.6			G1/1800
FVH	(80°-90°)	44.3	1.8			G1/100
BL	(0°-30°)	141.9	5.7	B1/500		
BM	(30°-60°)	229.8	9.2	B1/1000		
BH	(60°-80°)	145.0	5.8	B1/500		G1/500
BVH	(80°-90°)	13.4	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	47.5°
0°	327.5	327.5	327.5	327.5	327.5	327.5	327.5	327.5	327.5	327.5	327.5
2.5°	321.4	322.5	321.7	322.0	322.0	322.2	322.2	322.5	322.2	323.1	323.6
5°	315.7	316.2	315.9	316.5	317.0	318.1	317.9	319.2	319.5	320.3	321.7
7.5°	313.5	312.9	313.2	314.0	314.6	315.1	315.7	316.8	317.6	319.5	320.6
10°	315.7	315.4	315.7	316.2	316.2	316.5	315.9	317.0	317.6	319.2	320.3
12.5°	324.7	324.7	324.2	324.2	323.6	323.1	321.7	320.9	320.6	320.9	321.4
15°	339.2	338.7	337.6	336.8	335.7	333.8	331.8	330.2	329.1	327.5	326.9
17.5°	353.5	352.7	351.6	350.5	349.1	347.2	344.2	342.3	339.2	337.3	336.2
20°	369.9	368.3	366.9	365.5	362.8	362.3	359.2	356.0	352.4	348.0	347.5
22.5°	391.3	388.6	386.9	386.1	383.4	382.5	377.6	372.9	368.6	362.8	361.4
25°	412.9	410.2	409.4	408.3	406.4	405.3	400.6	395.4	389.7	381.7	380.1
27.5°	434.0	434.3	432.1	433.0	432.4	430.5	425.8	420.6	416.2	406.9	405.0
30°	460.4	458.7	457.6	459.3	457.3	457.6	453.5	450.8	443.6	438.2	434.3
32.5°	487.8	487.5	489.1	490.2	489.9	489.4	486.1	483.4	477.1	469.1	467.5
35°	525.3	526.9	528.3	533.2	533.2	536.8	533.5	530.2	522.8	513.2	510.0
37.5°	550.8	551.3	556.8	563.4	571.6	579.3	581.5	582.3	579.3	572.2	567.2
40°	574.1	575.2	583.9	594.1	606.1	621.2	630.2	634.4	635.2	631.9	621.2
42.5°	597.4	599.0	608.1	622.8	639.6	658.7	674.6	684.8	690.5	690.5	684.2
45°	624.5	626.7	636.5	652.7	672.2	696.3	718.2	737.7	747.0	747.5	741.5
47.5°	656.6	658.5	670.0	686.4	706.4	730.8	758.5	780.7	797.9	799.0	794.1
50°	697.9	700.7	710.3	725.1	745.6	770.3	797.9	828.9	847.0	851.4	846.2
52.5°	752.7	753.3	761.2	774.9	794.9	818.5	847.8	881.5	905.4	908.9	900.4
55°	828.4	827.5	832.7	847.5	862.6	881.0	911.4	949.2	975.8	981.3	972.5
57.5°	931.1	930.3	934.7	938.2	966.5	984.3	1014.1	1050.3	1076.1	1092.0	1076.9
60°	1090.3	1089.5	1096.6	1117.5	1138.6	1164.6	1193.6	1236.9	1273.1	1277.8	1263.0
62.5°	1205.7	1209.8	1225.4	1249.8	1292.6	1343.5	1396.7	1453.7	1527.9	1551.5	1544.4
65°	1165.4	1173.6	1195.3	1232.3	1289.3	1359.7	1443.0	1546.3	1645.8	1701.4	1699.7
66°	1129.2	1138.3	1164.9	1200.5	1260.8	1337.8	1428.7	1541.4	1652.6	1714.0	1717.8
67.5°	1063.5	1073.6	1099.6	1141.8	1200.5	1282.4	1380.2	1502.7	1628.5	1700.0	1710.2
70°	935.5	947.0	965.9	1000.7	1058.5	1131.7	1234.7	1344.3	1476.1	1558.1	1570.4
72.5°	782.1	792.2	813.3	841.8	889.2	935.2	1016.1	1096.9	1191.2	1284.6	1275.6
75°	561.5	565.9	578.5	609.4	634.9	676.3	741.2	807.5	871.9	914.7	920.7
77.5°	291.8	303.3	321.2	355.4	383.1	420.3	462.5	512.4	559.5	598.7	588.0
80°	191.0	195.9	211.8	229.4	249.6	273.5	301.7	320.3	326.4	323.9	326.4
82.5°	110.2	119.2	140.3	153.7	168.8	177.0	199.5	220.9	232.9	217.8	212.4
85°	14.0	18.1	57.0	71.8	82.2	94.5	101.4	114.3	106.6	95.4	116.2
87.5°	3.0	2.7	3.8	8.2	8.5	7.1	13.4	14.2	8.8	4.4	5.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	327.5	327.5	327.5	327.5	327.5	327.5	327.5	327.5	327.5	327.5	327.5
2.5°	324.2	324.4	325.0	325.8	326.4	326.9	327.5	328.3	328.8	329.4	330.5
5°	322.8	323.9	325.0	326.1	327.5	329.6	331.0	332.1	333.2	335.4	336.2
7.5°	322.0	323.9	325.5	327.5	329.6	331.6	334.0	335.4	337.0	338.4	340.1
10°	321.4	324.2	325.8	328.5	331.0	332.9	335.7	337.3	339.2	340.9	341.7
12.5°	322.5	323.9	325.5	328.3	331.3	334.0	337.0	338.4	340.1	341.4	341.7
15°	327.2	327.2	327.5	329.6	332.7	334.9	337.3	338.7	339.5	340.3	340.3
17.5°	335.7	333.8	332.4	332.7	334.6	335.9	337.3	337.3	336.8	336.5	335.9
20°	345.5	343.1	340.3	338.4	337.9	336.8	335.9	333.2	331.0	329.1	327.7
22.5°	359.8	356.0	352.1	348.6	345.3	341.2	336.5	331.0	325.8	322.2	320.1
25°	377.3	374.3	369.7	364.2	360.1	352.4	346.4	338.4	331.8	327.2	323.3
27.5°	402.3	398.7	394.3	389.4	383.4	374.9	367.5	358.1	350.2	343.3	338.4
30°	433.2	428.6	425.3	419.3	415.1	405.5	398.2	386.6	371.3	360.3	353.5
32.5°	465.0	459.8	457.1	452.4	447.7	442.0	430.8	412.9	393.2	375.4	363.6
35°	507.5	502.0	497.1	493.0	486.1	475.4	465.6	444.2	417.1	392.1	372.4
37.5°	560.9	551.9	539.5	529.1	517.1	501.7	486.7	464.7	433.8	401.4	375.1
40°	617.9	602.0	584.5	565.0	544.2	522.0	504.7	482.5	447.7	409.4	373.2
42.5°	677.4	652.2	627.8	600.4	571.3	545.0	522.6	498.2	458.2	411.6	365.5
45°	736.3	708.1	671.1	635.2	598.5	565.9	540.6	513.2	467.8	412.4	355.4
47.5°	785.1	756.0	713.8	668.9	625.3	588.3	558.7	529.1	480.6	418.2	352.9
50°	836.6	801.2	754.4	701.2	651.9	610.5	579.0	548.3	498.7	433.0	360.9
52.5°	892.8	852.2	797.4	737.9	684.0	637.6	603.4	571.9	521.7	453.8	376.0
55°	961.3	911.7	852.2	785.1	727.2	676.0	638.2	600.9	549.1	478.4	394.9
57.5°	1065.9	1005.1	938.2	861.8	797.7	737.1	691.9	648.9	591.6	515.2	420.6
60°	1255.3	1190.3	1103.5	1010.9	935.5	864.8	798.5	745.1	674.6	587.5	477.6
62.5°	1526.6	1440.2	1324.3	1194.7	1096.1	994.1	919.3	839.9	752.5	658.5	544.8
65°	1677.3	1572.6	1417.5	1267.1	1140.2	1029.5	934.4	842.3	745.3	655.5	560.4
66°	1695.9	1586.8	1425.7	1267.3	1134.2	1020.5	920.4	825.1	725.9	640.1	553.8
67.5°	1688.2	1576.7	1410.7	1243.5	1108.1	985.9	882.6	783.7	684.8	604.8	531.9
70°	1562.5	1456.7	1293.6	1131.7	1003.2	882.6	784.0	686.7	596.0	527.5	473.8
72.5°	1297.5	1207.1	1065.4	938.2	837.4	737.9	654.4	561.5	484.7	434.0	402.3
75°	936.6	881.8	752.7	679.8	591.3	525.3	444.2	389.1	334.0	309.4	303.9
77.5°	591.6	517.9	436.0	359.0	295.1	244.7	190.4	161.7	134.8	132.1	159.5
80°	299.5	269.6	207.7	165.5	139.2	112.6	89.1	67.4	47.1	56.7	68.0
82.5°	196.2	163.6	128.2	105.5	91.8	76.2	59.2	41.1	30.1	34.0	46.6
85°	106.0	90.4	72.9	57.5	46.6	41.7	28.0	19.7	19.5	20.8	26.6
87.5°	7.7	7.7	6.0	5.5	6.6	5.5	4.9	4.9	4.7	4.9	6.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	327.5	327.5	327.5	327.5	327.5	327.5	327.5	327.5	327.5	327.5	327.5
2.5°	331.0	331.8	332.1	333.5	334.3	334.9	335.4	335.4	335.7	336.5	336.8
5°	337.3	338.7	340.3	341.4	342.0	343.6	344.2	344.2	344.7	345.8	346.6
7.5°	341.2	343.1	344.7	345.3	346.4	346.9	347.7	348.3	348.3	349.4	349.9
10°	342.5	343.6	345.3	345.3	346.4	346.4	347.2	347.5	347.5	348.6	349.4
12.5°	342.5	343.1	344.4	344.4	345.3	345.5	346.6	347.5	347.7	349.1	350.2
15°	340.9	341.4	342.5	342.8	344.7	345.8	348.3	349.9	349.9	351.3	351.8
17.5°	336.2	337.6	339.8	342.0	345.5	348.0	351.0	352.4	351.3	350.5	349.6
20°	328.5	331.0	336.2	341.7	348.0	351.3	352.9	351.6	347.7	343.9	341.4
22.5°	320.9	325.8	334.6	342.8	349.9	352.1	351.3	346.4	340.1	335.4	332.1
25°	324.4	330.2	338.7	346.1	350.7	350.2	346.9	340.1	333.2	327.2	321.7
27.5°	339.2	345.5	350.2	352.7	352.1	348.3	343.1	335.4	327.2	319.2	311.6
30°	353.2	356.5	357.6	355.7	351.3	345.0	338.4	329.6	318.7	308.8	300.1
32.5°	359.5	356.2	351.0	345.8	338.7	333.2	324.2	314.6	300.9	289.1	280.3
35°	359.5	346.4	333.2	322.2	311.6	304.7	294.3	281.4	268.8	258.9	252.1
37.5°	351.6	326.4	304.7	286.9	273.5	266.1	250.5	238.9	228.3	225.0	220.6
40°	337.0	299.8	268.5	245.2	228.3	217.3	201.7	193.7	189.6	188.0	187.2
42.5°	317.6	270.2	228.5	199.8	181.4	169.1	158.7	153.7	153.5	153.2	153.2
45°	296.8	238.4	189.6	155.4	139.2	128.2	123.3	121.4	123.0	122.8	123.0
47.5°	283.9	214.3	154.0	117.6	105.2	98.1	95.6	96.5	97.8	97.3	97.3
50°	282.2	202.0	130.2	91.5	82.2	78.6	78.1	78.1	78.9	78.4	78.1
52.5°	288.3	200.0	117.8	78.6	71.2	68.2	67.7	67.4	67.1	65.5	64.1
55°	298.7	204.4	114.3	75.4	67.7	64.4	63.6	63.0	61.9	59.7	57.3
57.5°	319.5	218.1	117.6	77.0	68.8	66.0	65.2	65.2	63.0	59.5	55.9
60°	369.7	252.9	131.0	83.3	74.0	71.2	71.8	71.5	68.2	63.0	57.5
62.5°	434.3	298.4	148.5	92.1	80.6	80.0	82.8	82.2	76.7	68.8	60.8
65°	464.2	319.8	153.5	94.0	81.9	84.4	89.9	89.3	82.5	71.5	61.4
66°	464.7	319.8	151.3	92.3	80.0	83.0	88.5	88.2	81.4	70.4	60.3
67.5°	453.5	311.0	145.0	89.1	76.2	78.4	83.3	83.0	76.7	67.7	58.1
70°	411.3	278.4	128.8	83.3	71.0	69.9	71.5	70.4	66.3	60.0	53.4
72.5°	352.4	233.7	112.3	78.9	67.4	63.0	61.9	61.1	57.8	54.3	50.1
75°	277.6	185.0	98.6	75.6	64.1	58.4	56.4	55.4	53.2	50.7	47.4
77.5°	171.3	132.4	86.0	71.2	61.7	55.9	54.5	52.9	49.6	46.6	44.1
80°	76.5	81.9	70.7	62.2	55.1	49.9	47.7	45.2	41.9	40.0	38.6
82.5°	51.0	52.9	51.2	46.6	41.7	37.5	34.3	34.3	33.7	32.1	31.5
85°	32.6	32.9	31.8	28.8	26.9	24.4	23.0	23.3	24.4	24.1	23.8
87.5°	7.4	7.4	8.8	8.2	9.6	10.1	11.0	11.8	13.4	13.4	14.2
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: P181678

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

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
0°	327.5	327.5	327.5	327.5	327.5
2.5°	337.0	337.6	338.1	337.3	337.6
5°	346.6	346.4	347.7	346.9	347.5
7.5°	349.6	349.9	351.0	351.0	351.3
10°	349.9	350.5	351.8	352.7	353.2
12.5°	351.3	352.4	354.6	355.1	355.1
15°	352.4	352.9	354.3	354.9	355.4
17.5°	348.6	347.5	348.0	348.3	348.0
20°	339.0	337.9	337.6	336.5	337.0
22.5°	328.5	325.5	323.6	321.4	321.4
25°	315.9	311.3	307.5	303.6	304.4
27.5°	304.2	298.1	294.3	291.8	291.3
30°	292.7	286.4	282.8	279.8	279.8
32.5°	273.5	269.1	264.4	262.5	262.2
35°	246.9	244.2	240.3	239.5	238.1
37.5°	217.0	216.2	212.9	212.6	211.3
40°	185.8	186.3	185.2	184.7	183.9
42.5°	154.5	157.3	156.7	156.5	155.9
45°	124.7	126.6	126.9	127.7	129.1
47.5°	98.1	98.6	99.2	98.9	99.2
50°	76.7	75.4	75.1	74.3	75.1
52.5°	61.9	59.7	58.6	57.5	57.0
55°	54.5	52.3	51.2	50.7	50.1
57.5°	52.6	50.4	48.8	47.7	47.4
60°	53.2	49.9	47.7	46.3	46.0
62.5°	54.5	50.1	47.1	45.8	45.5
65°	54.3	49.6	46.9	45.2	44.9
66°	53.4	49.0	46.3	44.9	44.7
67.5°	52.1	48.2	45.8	44.7	44.1
70°	49.6	47.1	45.2	43.8	43.3
72.5°	47.4	45.5	43.8	42.5	42.2
75°	44.9	43.3	41.7	40.6	40.3
77.5°	41.9	40.3	39.2	38.4	38.1
80°	37.0	35.9	34.8	33.7	33.7
82.5°	30.7	29.9	28.8	28.0	27.7
85°	23.6	23.6	22.7	21.9	21.6
87.5°	14.0	13.7	13.7	12.9	12.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)