

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: P180638

Luminaire Tested: **ICS-E03-LED-E1-SL3-HSS**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180638
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33727)
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-SL3-HSS
Description: ICON SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (63) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4681.6 lumens
Efficiency: N/A
Efficacy: 62.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-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

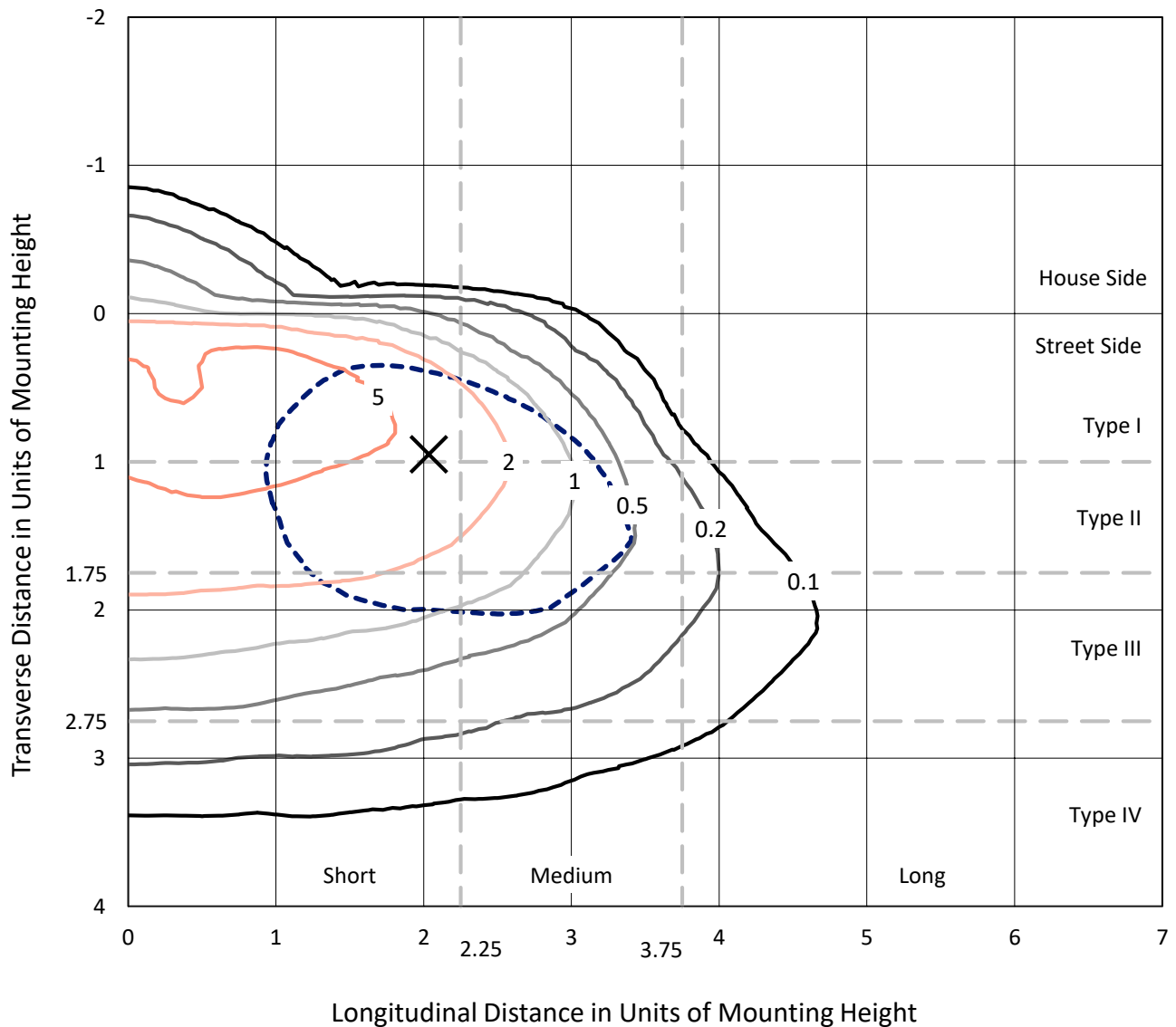


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

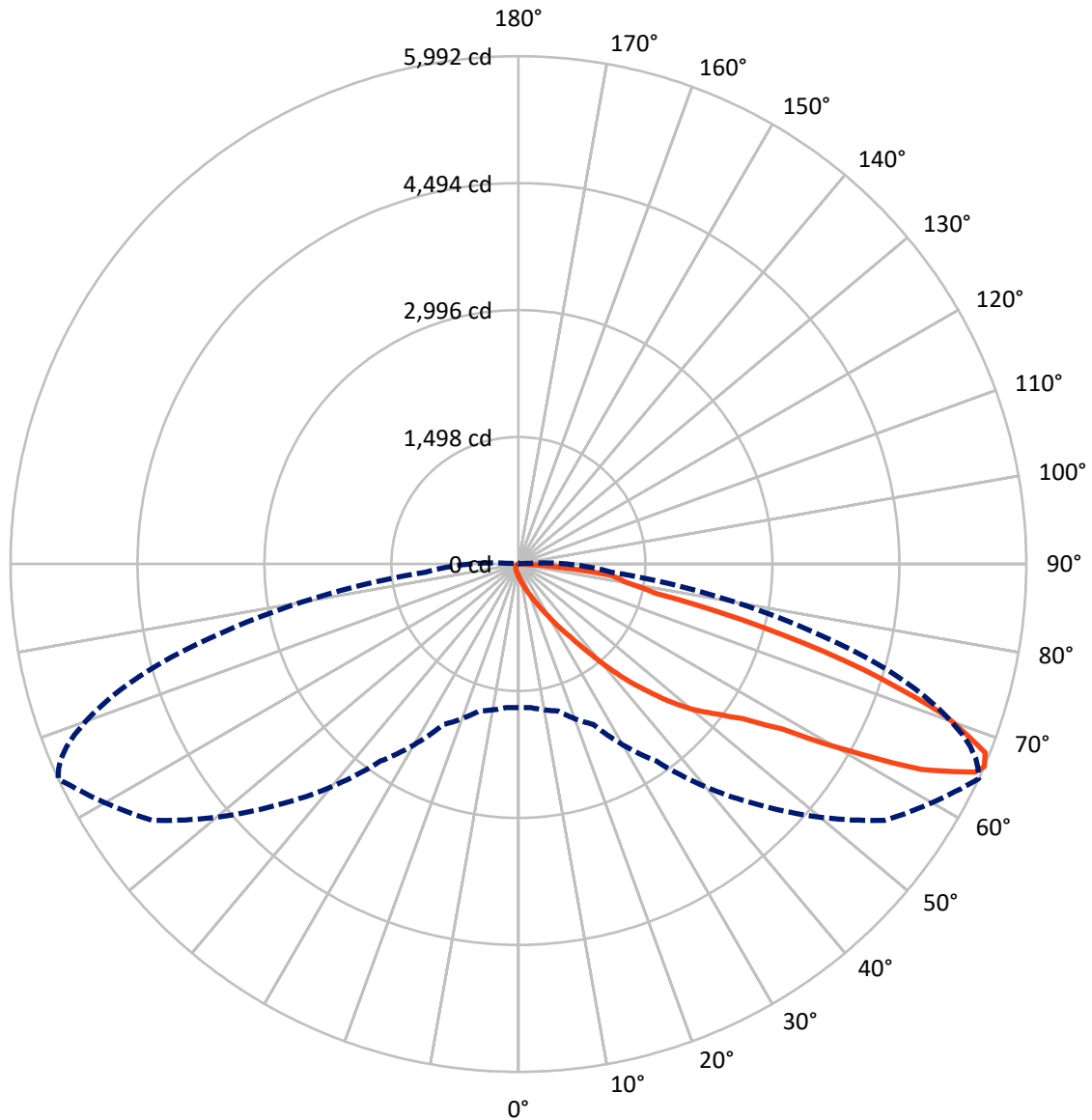


Based on 10 foot mounting height. Maximum calculated value = 7.7 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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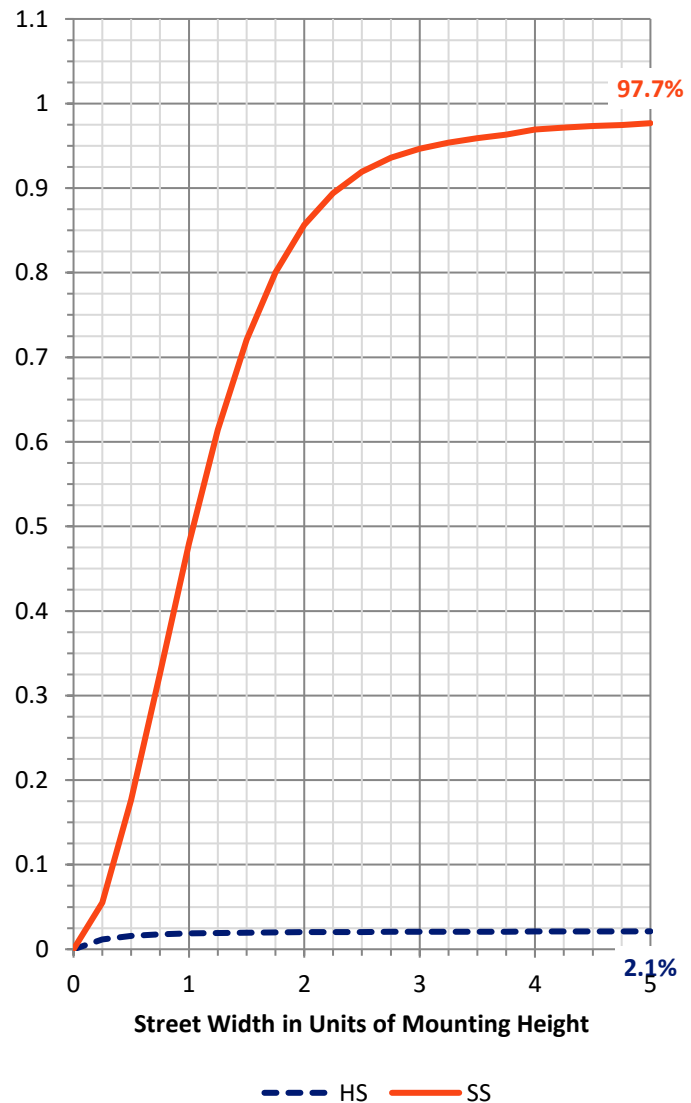
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	101.4	0.0	101.4
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	4580.1	0.0	4580.1
	% Fixture	97.8	0.0	97.8
Total	Lumens	4681.6	0.0	4681.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.8	0.3
10°-20°	67.1	1.4
20°-30°	144.7	3.1
30°-40°	308.9	6.6
40°-50°	683.2	14.6
50°-60°	1157.8	24.7
60°-70°	1545.0	33.0
70°-80°	680.6	14.5
80°-90°	78.4	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°	4681.6	100.0
0°-180°	4681.6	100.0



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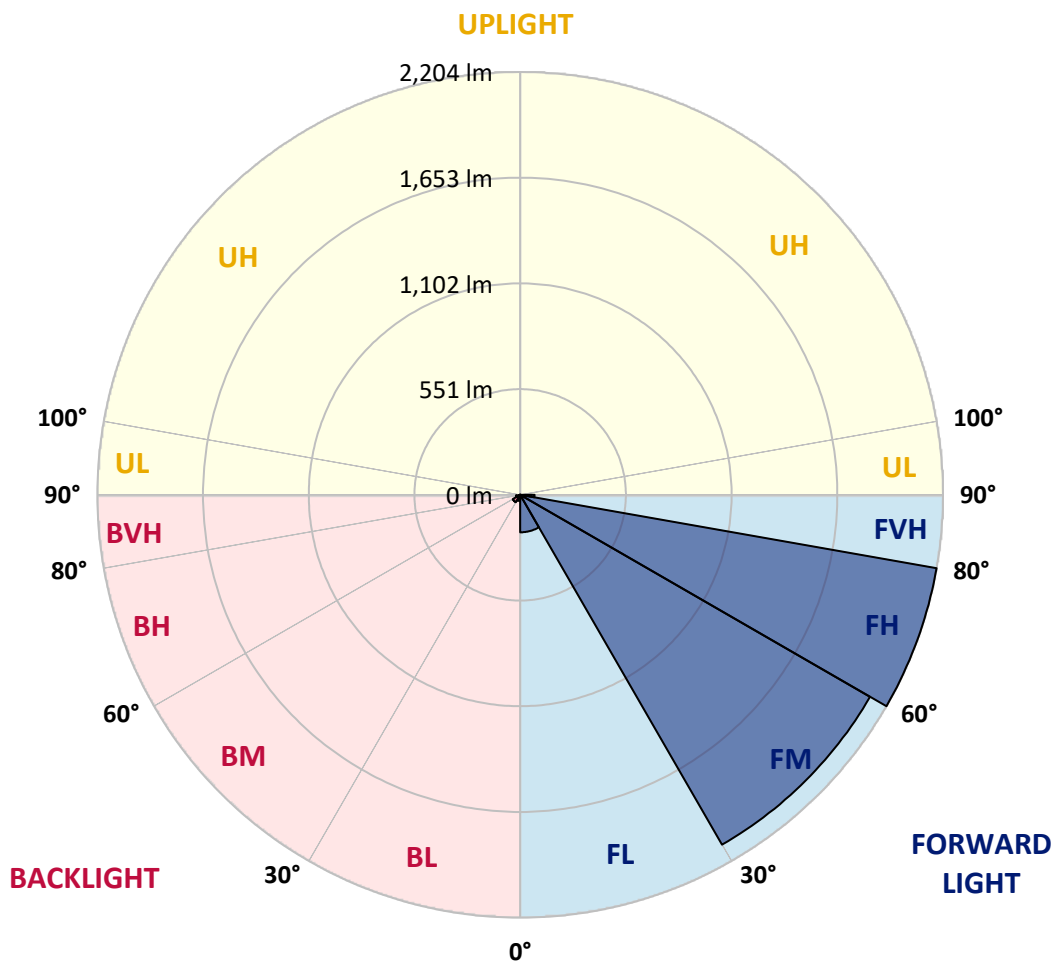
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	195.5	4.2			
FM	(30°-60°)	2105.5	45.0			
FH	(60°-80°)	2203.9	47.1			G2/5000
FVH	(80°-90°)	75.3	1.6			G1/100
BL	(0°-30°)	32.0	0.7	B0/110		
BM	(30°-60°)	44.5	1.0	B0/220		
BH	(60°-80°)	21.8	0.5	B0/110		G0/110
BVH	(80°-90°)	3.1	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	141.3	141.3	141.3	141.3	141.3	141.3	141.3	141.3	141.3	141.3	141.3
2.5°	178.2	177.3	173.7	173.7	168.3	164.7	160.2	155.7	155.7	154.8	153.9
5°	235.8	230.4	229.5	219.6	211.5	199.8	189.0	174.6	172.8	171.0	170.1
7.5°	299.7	298.8	290.7	279.0	262.8	241.2	219.6	196.2	192.6	190.8	187.2
10°	382.5	378.0	367.2	347.4	323.1	294.3	259.2	222.3	217.8	214.2	212.4
12.5°	461.7	453.6	447.3	422.1	391.5	349.2	306.9	253.8	250.2	245.7	238.5
15°	535.5	528.3	517.5	495.9	461.7	408.6	359.1	294.3	285.3	279.0	273.6
17.5°	593.1	588.6	576.0	551.7	514.8	468.0	408.6	335.7	328.5	320.4	310.5
20°	648.0	641.7	621.9	588.6	549.0	513.0	467.1	389.7	379.8	369.9	359.1
22.5°	700.2	693.9	661.5	606.6	564.3	549.0	532.8	450.9	435.6	427.5	416.7
25°	773.1	759.6	709.2	621.9	565.2	576.9	604.8	530.1	515.7	504.0	486.9
27.5°	871.2	853.2	774.0	644.4	568.8	607.5	687.6	626.4	611.1	597.6	578.7
30°	982.0	970.3	875.7	698.4	594.9	652.5	780.3	748.8	730.8	714.6	692.1
32.5°	1093.6	1077.4	983.8	801.0	665.1	739.8	896.4	891.0	867.6	852.3	828.0
35°	1191.7	1183.6	1114.3	969.4	825.3	892.8	1051.3	1057.6	1036.9	1020.7	993.7
37.5°	1258.3	1258.3	1244.8	1150.3	1080.1	1130.5	1279.0	1279.9	1259.2	1222.3	1208.8
40°	1292.5	1302.4	1351.0	1369.0	1365.4	1430.2	1577.8	1561.6	1544.5	1525.6	1480.6
42.5°	1362.7	1371.7	1475.2	1599.4	1680.4	1765.9	1867.6	1862.2	1841.5	1807.3	1765.9
45°	1481.5	1493.2	1616.5	1813.6	1980.1	2101.6	2166.4	2141.2	2120.5	2088.1	2066.5
47.5°	1632.7	1655.2	1794.7	2038.6	2239.3	2440.0	2507.5	2440.9	2422.9	2397.7	2362.6
50°	1793.8	1815.4	1963.9	2242.9	2469.7	2709.1	2821.7	2709.1	2683.0	2674.9	2635.3
52.5°	1933.3	1951.3	2094.4	2400.4	2646.1	2927.0	3090.8	2942.3	2923.4	2896.4	2867.6
55°	2016.1	2030.5	2164.6	2476.0	2765.9	3123.2	3350.9	3220.4	3192.5	3181.7	3140.3
57.5°	2044.0	2058.4	2179.0	2485.9	2830.7	3302.3	3666.8	3671.3	3638.0	3599.3	3586.7
60°	2044.0	2060.2	2161.9	2461.6	2893.7	3493.1	4088.0	4463.3	4391.3	4384.1	4338.2
62.5°	1959.4	1974.7	2077.3	2386.9	2978.3	3750.5	4674.9	5337.3	5316.6	5269.8	5194.2
65°	1775.8	1784.8	1885.6	2196.1	2945.9	3987.2	5183.4	5918.7	5885.4	5793.6	5696.4
66°	1693.0	1700.2	1794.7	2087.2	2839.7	4019.6	5273.4	5991.6	5936.7	5859.3	5749.5
67.5°	1573.3	1585.9	1652.5	1884.7	2584.9	3907.1	5216.7	5940.3	5892.6	5799.0	5689.2
70°	1050.4	1041.4	1276.3	1446.4	1969.3	3183.5	4680.3	5333.7	5334.6	5290.5	5246.4
72.5°	498.6	504.0	572.4	890.1	1288.9	2126.8	3725.3	4257.2	4318.4	4239.2	4184.3
75°	358.2	366.3	407.7	544.5	768.6	1276.3	2414.8	2977.4	2979.2	2838.8	2713.6
77.5°	104.4	108.9	153.0	335.7	576.0	861.3	1387.0	1655.2	1616.5	1515.7	1421.2
80°	43.2	43.2	45.0	107.1	231.3	585.0	970.3	1274.5	1270.0	1231.3	1175.5
82.5°	16.2	17.1	21.6	44.1	54.9	144.0	647.1	1106.2	1103.5	1048.6	1009.0
85°	1.8	1.8	5.4	18.9	20.7	27.0	129.6	487.8	485.1	487.8	427.5
87.5°	0.0	0.0	0.9	1.8	2.7	3.6	5.4	18.9	20.7	19.8	18.0
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):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	141.3	141.3	141.3	141.3	141.3	141.3	141.3	141.3	141.3	141.3	141.3
2.5°	153.9	152.1	152.1	151.2	151.2	151.2	150.3	149.4	149.4	148.5	147.6
5°	168.3	166.5	165.6	163.8	162.9	162.0	160.2	159.3	157.5	156.6	155.7
7.5°	185.4	181.8	180.9	178.2	175.5	173.7	171.9	169.2	167.4	163.8	162.9
10°	207.0	202.5	198.9	195.3	192.6	188.1	185.4	181.8	178.2	175.5	172.8
12.5°	234.9	228.6	223.2	219.6	213.3	207.9	202.5	199.8	192.6	189.0	184.5
15°	265.5	258.3	252.0	244.8	240.3	231.3	224.1	216.0	212.4	206.1	198.9
17.5°	305.1	293.4	283.5	276.3	267.3	258.3	250.2	242.1	231.3	224.1	215.1
20°	347.4	337.5	324.0	311.4	300.6	289.8	278.1	267.3	257.4	245.7	234.9
22.5°	401.4	387.0	370.8	358.2	343.8	332.1	315.9	301.5	285.3	270.0	257.4
25°	469.8	450.9	435.6	417.6	400.5	382.5	362.7	344.7	324.0	309.6	288.0
27.5°	554.4	536.4	515.7	492.3	475.2	448.2	422.1	399.6	375.3	352.8	328.5
30°	662.4	636.3	614.7	592.2	558.0	531.9	501.3	470.7	437.4	414.9	378.0
32.5°	792.0	764.1	731.7	699.3	667.8	630.9	593.1	555.3	518.4	477.0	439.2
35°	950.5	917.1	880.2	845.1	796.5	756.9	709.2	657.0	615.6	567.9	520.2
37.5°	1160.2	1105.3	1072.9	1036.0	970.3	916.2	863.1	810.9	738.0	687.6	620.1
40°	1423.0	1390.6	1337.5	1278.1	1218.7	1147.6	1075.6	1006.3	921.7	851.4	773.1
42.5°	1731.7	1684.0	1630.0	1544.5	1484.2	1400.5	1318.6	1226.8	1123.3	1033.3	941.5
45°	2021.5	1964.8	1923.4	1837.9	1774.9	1675.9	1576.9	1479.7	1360.0	1243.9	1137.7
47.5°	2334.7	2287.9	2219.5	2150.2	2086.3	1974.7	1867.6	1749.7	1623.7	1486.0	1348.3
50°	2610.1	2573.2	2526.4	2442.7	2371.6	2278.0	2152.0	2023.3	1864.0	1727.2	1570.6
52.5°	2844.2	2815.4	2749.6	2690.2	2626.3	2538.1	2425.6	2302.3	2130.4	1980.1	1801.9
55°	3120.5	3099.8	3042.2	3005.3	2948.6	2864.0	2758.7	2644.3	2462.5	2298.7	2097.1
57.5°	3573.2	3557.0	3506.6	3491.3	3435.5	3361.7	3232.1	3109.7	2897.3	2693.8	2463.4
60°	4322.9	4290.5	4216.7	4178.9	4061.0	3962.0	3793.7	3625.4	3368.9	3109.7	2832.5
62.5°	5125.8	5034.9	4894.5	4773.9	4606.5	4434.5	4209.5	3952.1	3651.5	3343.7	3025.1
65°	5558.7	5403.9	5226.6	5034.9	4818.0	4565.0	4281.5	3972.8	3649.7	3324.8	2988.2
66°	5608.2	5433.6	5245.5	5032.2	4791.0	4521.8	4233.8	3909.8	3574.1	3257.3	2920.7
67.5°	5546.1	5363.4	5164.5	4927.8	4666.8	4387.7	4085.3	3748.7	3425.6	3104.3	2776.7
70°	5111.4	4929.6	4752.3	4502.9	4224.8	3944.0	3657.8	3281.6	2975.6	2680.3	2388.7
72.5°	4081.7	3958.4	3782.9	3569.6	3298.7	2969.3	2730.7	2394.1	2128.6	1842.4	1616.5
75°	2550.7	2377.0	2160.1	1888.3	1681.3	1414.0	1274.5	1018.9	867.6	735.3	607.5
77.5°	1304.2	1173.7	1021.6	868.5	721.8	576.0	445.5	315.0	212.4	147.6	109.8
80°	1077.4	962.2	836.1	696.6	567.0	440.1	316.8	216.0	137.7	90.0	70.2
82.5°	890.1	792.9	680.4	550.8	438.3	345.6	240.3	156.6	97.2	63.0	49.5
85°	378.9	343.8	265.5	210.6	158.4	117.0	81.9	54.9	38.7	31.5	28.8
87.5°	16.2	18.0	17.1	13.5	9.9	9.9	9.0	7.2	7.2	7.2	7.2
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):

	80°	81°	82°	83°	84°	85°	95°	105°	115°	125°	135°
0°	141.3	141.3	141.3	141.3	141.3	141.3	141.3	141.3	141.3	141.3	141.3
2.5°	147.6	146.7	145.8	145.8	144.9	144.0	138.6	134.1	128.7	125.1	121.5
5°	153.9	153.0	151.2	150.3	148.5	147.6	135.9	126.0	117.9	111.6	107.1
7.5°	160.2	159.3	156.6	153.9	153.0	151.2	132.3	119.7	108.9	101.7	97.2
10°	168.3	165.6	162.9	159.3	156.6	153.9	128.7	112.5	100.8	94.5	90.0
12.5°	180.0	175.5	171.0	166.5	162.9	158.4	126.9	106.2	94.5	87.3	82.8
15°	193.5	187.2	181.8	176.4	170.1	165.6	123.3	100.8	89.1	81.9	76.5
17.5°	206.1	198.9	190.8	182.7	176.4	170.1	119.7	95.4	83.7	76.5	71.1
20°	224.1	213.3	203.4	193.5	184.5	176.4	114.3	90.0	79.2	71.1	65.7
22.5°	243.9	231.3	218.7	205.2	193.5	182.7	109.8	85.5	74.7	66.6	60.3
25°	269.1	253.8	236.7	219.6	206.1	191.7	105.3	81.0	70.2	62.1	55.8
27.5°	304.2	282.6	263.7	242.1	221.4	205.2	101.7	77.4	65.7	57.6	51.3
30°	351.9	320.4	290.7	267.3	243.0	219.6	98.1	72.9	62.1	53.1	45.9
32.5°	405.0	368.1	333.9	298.8	268.2	241.2	94.5	69.3	57.6	48.6	42.3
35°	470.7	423.9	378.0	337.5	300.6	264.6	90.9	65.7	54.0	44.1	37.8
37.5°	565.2	506.7	446.4	394.2	346.5	298.8	88.2	62.1	49.5	39.6	33.3
40°	694.8	619.2	545.4	474.3	412.2	352.8	84.6	58.5	45.9	36.0	29.7
42.5°	835.2	743.4	646.2	566.1	480.6	405.9	81.0	54.9	42.3	32.4	26.1
45°	1009.9	895.5	777.6	668.7	564.3	468.0	77.4	51.3	37.8	28.8	22.5
47.5°	1200.7	1054.9	921.7	784.8	660.6	545.4	72.9	48.6	34.2	25.2	19.8
50°	1396.9	1243.0	1074.7	918.9	771.3	622.8	68.4	44.1	30.6	22.5	16.2
52.5°	1608.4	1426.6	1254.7	1061.2	889.2	724.5	63.9	40.5	27.9	19.8	13.5
55°	1877.5	1674.1	1472.5	1255.6	1048.6	842.4	59.4	36.0	24.3	17.1	10.8
57.5°	2215.9	1974.7	1727.2	1482.4	1231.3	997.3	55.8	31.5	20.7	14.4	9.0
60°	2535.4	2253.7	1954.0	1672.3	1388.8	1116.1	50.4	27.9	18.0	11.7	9.0
62.5°	2701.0	2379.7	2056.6	1746.1	1443.7	1158.4	45.0	23.4	15.3	9.9	8.1
65°	2660.5	2332.9	2019.7	1706.5	1410.4	1131.4	39.6	20.7	13.5	9.0	8.1
66°	2602.0	2278.0	1963.0	1665.1	1382.5	1102.6	36.9	19.8	12.6	9.0	7.2
67.5°	2474.2	2161.0	1860.4	1583.2	1306.0	1047.7	33.3	18.0	11.7	8.1	7.2
70°	2113.3	1828.9	1588.6	1342.0	1116.1	882.9	27.0	15.3	9.9	7.2	7.2
72.5°	1398.7	1205.2	1045.0	899.1	751.5	583.2	22.5	12.6	8.1	7.2	6.3
75°	527.4	477.0	409.5	368.1	321.3	281.7	18.0	8.1	6.3	6.3	6.3
77.5°	93.6	86.4	76.5	70.2	64.8	59.4	14.4	5.4	5.4	6.3	6.3
80°	63.0	58.5	53.1	48.6	45.0	40.5	9.9	4.5	5.4	5.4	6.3
82.5°	45.0	42.3	39.6	36.0	33.3	29.7	6.3	4.5	5.4	5.4	5.4
85°	27.0	25.2	23.4	21.6	18.9	18.0	4.5	4.5	4.5	5.4	5.4
87.5°	7.2	6.3	7.2	7.2	5.4	6.3	3.6	3.6	3.6	4.5	4.5
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-E03-LED-E1-SL3-HSS

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	141.3	141.3	141.3	141.3	141.3
2.5°	119.7	119.7	117.9	120.6	120.6
5°	103.5	103.5	102.6	103.5	103.5
7.5°	94.5	93.6	93.6	93.6	94.5
10°	86.4	85.5	85.5	85.5	85.5
12.5°	79.2	78.3	77.4	78.3	78.3
15°	72.9	71.1	71.1	71.1	71.1
17.5°	67.5	65.7	64.8	64.8	64.8
20°	62.1	59.4	59.4	59.4	59.4
22.5°	56.7	54.0	54.0	54.0	54.0
25°	51.3	48.6	48.6	48.6	48.6
27.5°	46.8	44.1	44.1	44.1	44.1
30°	41.4	39.6	39.6	40.5	39.6
32.5°	37.8	35.1	35.1	36.0	36.0
35°	33.3	31.5	31.5	31.5	31.5
37.5°	28.8	27.0	27.0	27.0	27.0
40°	25.2	23.4	22.5	23.4	23.4
42.5°	21.6	19.8	18.9	18.9	18.9
45°	18.9	16.2	15.3	16.2	16.2
47.5°	15.3	13.5	13.5	14.4	14.4
50°	11.7	11.7	12.6	14.4	14.4
52.5°	10.8	10.8	12.6	14.4	14.4
55°	9.9	10.8	12.6	13.5	14.4
57.5°	9.0	10.8	12.6	13.5	13.5
60°	9.0	9.9	11.7	13.5	13.5
62.5°	8.1	9.0	10.8	12.6	12.6
65°	8.1	9.0	10.8	12.6	12.6
66°	8.1	9.0	10.8	12.6	12.6
67.5°	8.1	9.0	10.8	12.6	12.6
70°	8.1	9.0	10.8	11.7	11.7
72.5°	7.2	8.1	9.9	11.7	11.7
75°	7.2	8.1	9.9	11.7	11.7
77.5°	7.2	8.1	9.9	11.7	11.7
80°	7.2	8.1	9.9	10.8	11.7
82.5°	6.3	8.1	9.0	10.8	10.8
85°	6.3	7.2	9.0	9.9	10.8
87.5°	5.4	6.3	7.2	9.0	9.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)