

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: P180776

Luminaire Tested: **ICM-E03-LED-E1-SL4-HSS-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180776  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33728)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ICM-E03-LED-E1-SL4-HSS-8030  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD  
Light Source: (63) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

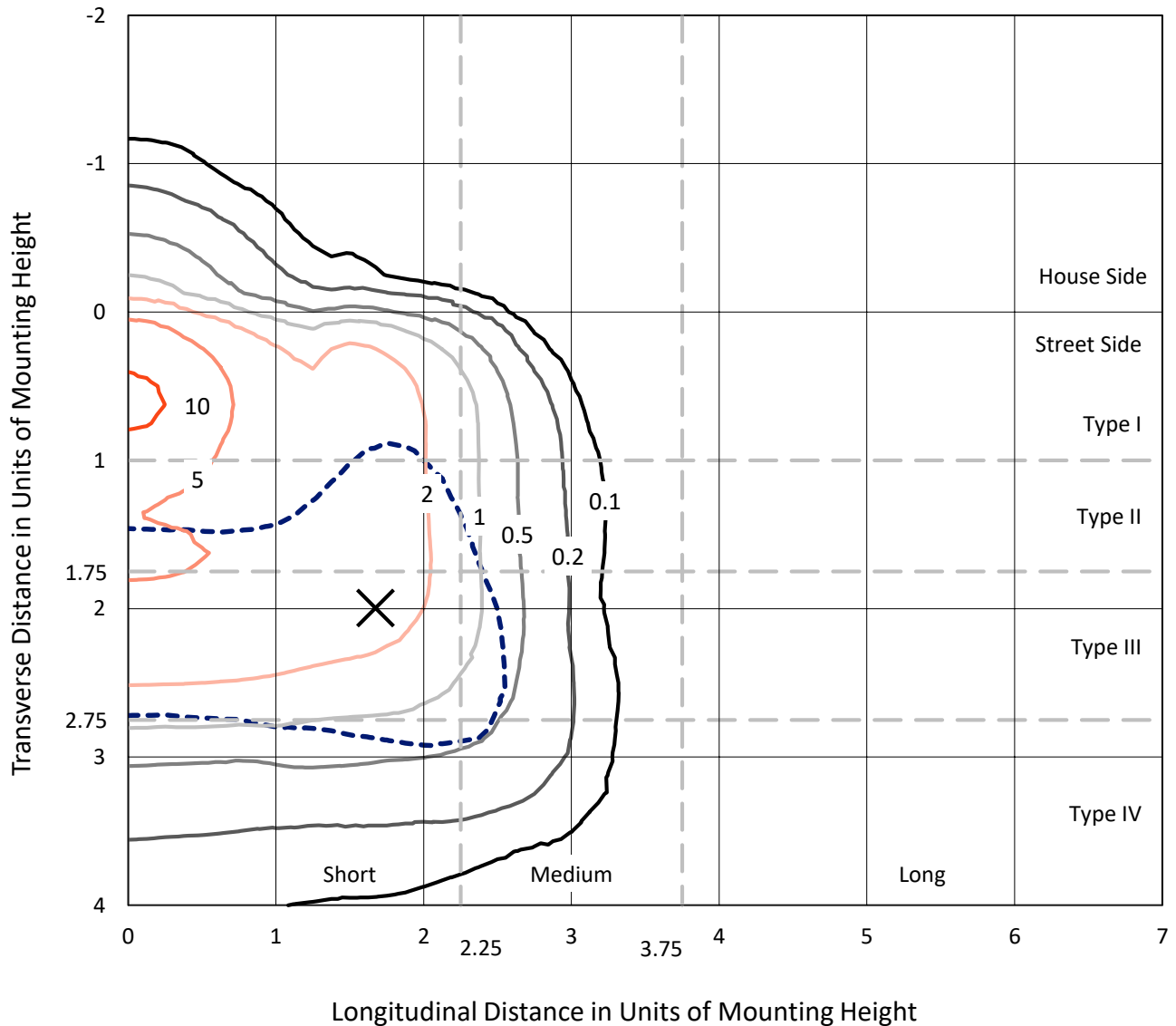
Lumens per Lamp: N/A  
Luminaire Lumens: 4792.6 lumens  
Efficiency: N/A  
Efficacy: 63.7 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')  
IES Classification: Type IV - Short - Semi-Cutoff  
BUG Rating: B0 - U0 - G2  
  
Input Watts (W): 75.2  
Input Voltage (V): NR  
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



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### Iso-Footcandle Lines of Horizontal Illumination

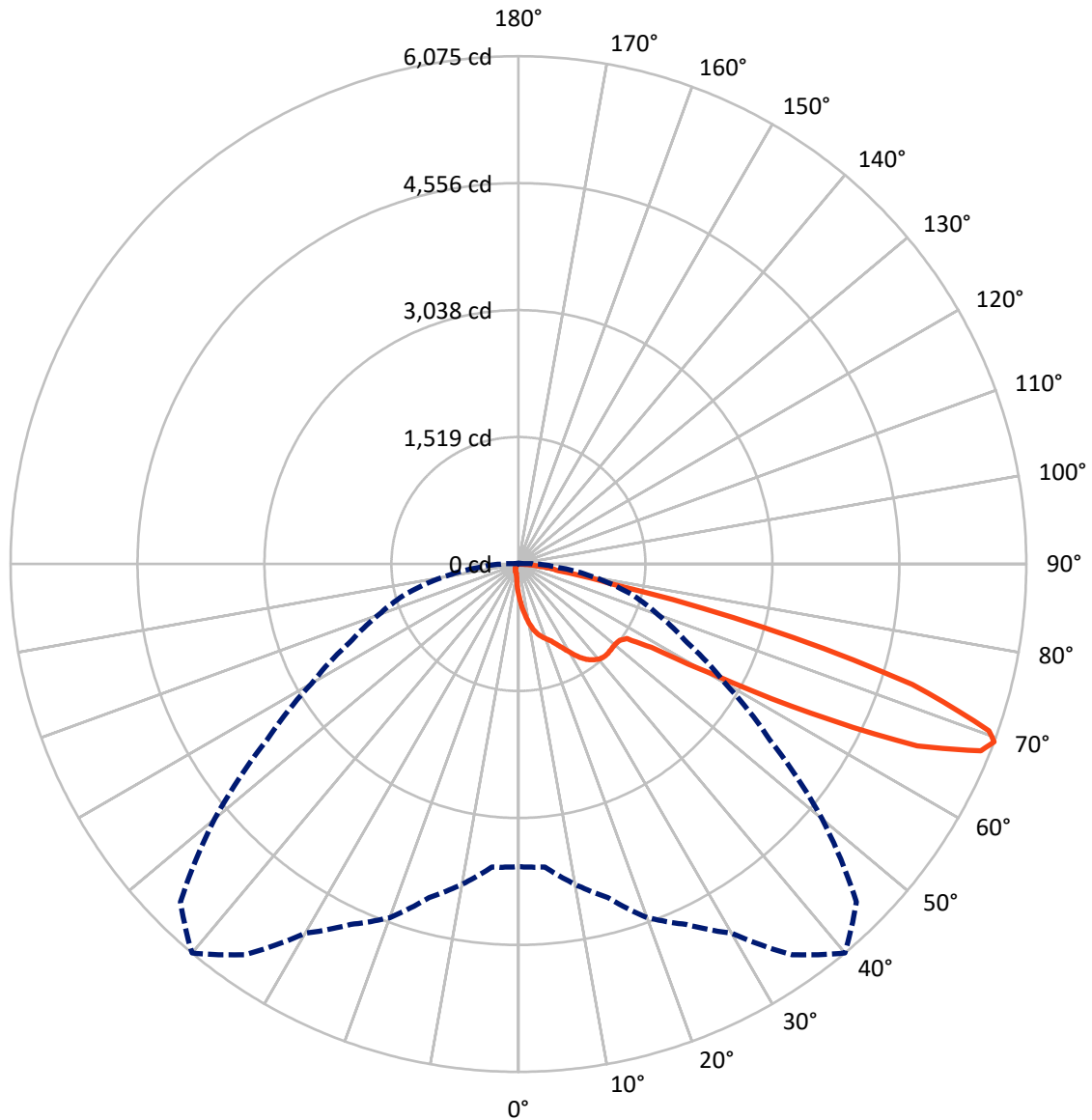
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.7 fc  
 Type IV - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral    - - - Horizontal Cone Through 69-Deg Vertical

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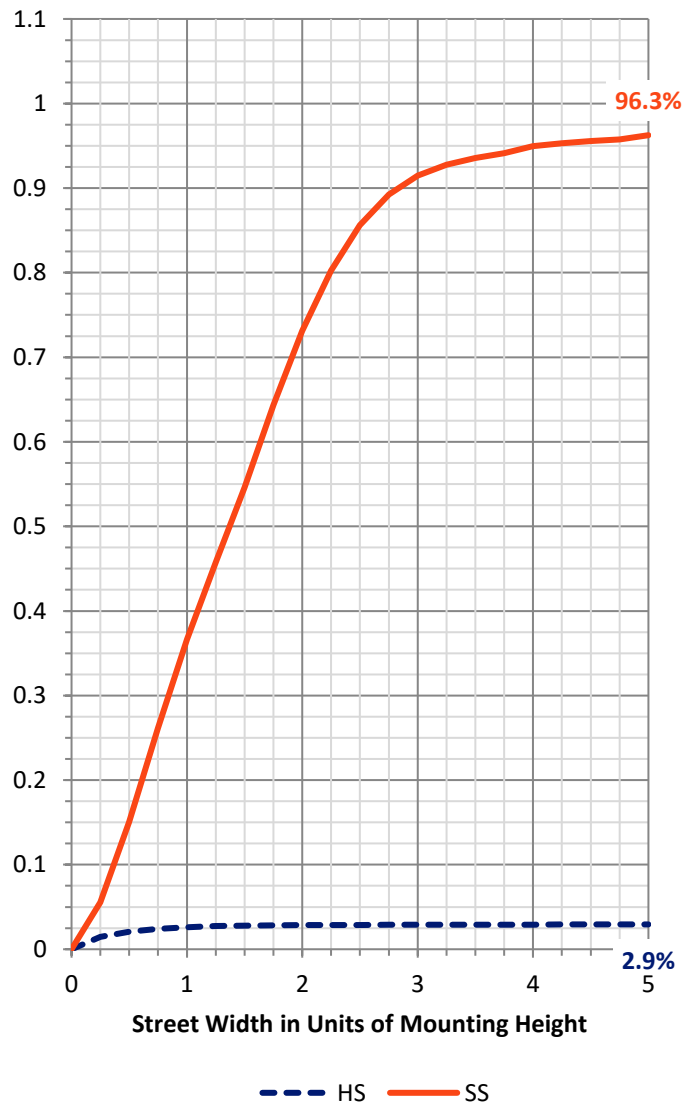
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	142.7	0.0	142.7
	% Fixture	3.0	0.0	3.0
<b>Street Side</b>	Lumens	4649.9	0.0	4649.9
	% Fixture	97.0	0.0	97.0
<b>Total</b>	Lumens	4792.6	0.0	4792.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	37.2	0.8
10°-20°	128.3	2.7
20°-30°	245.5	5.1
30°-40°	408.3	8.5
40°-50°	552.4	11.5
50°-60°	863.9	18.0
60°-70°	1776.2	37.1
70°-80°	714.7	14.9
80°-90°	66.1	1.4
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°	4792.6	100.0
0°-180°	4792.6	100.0



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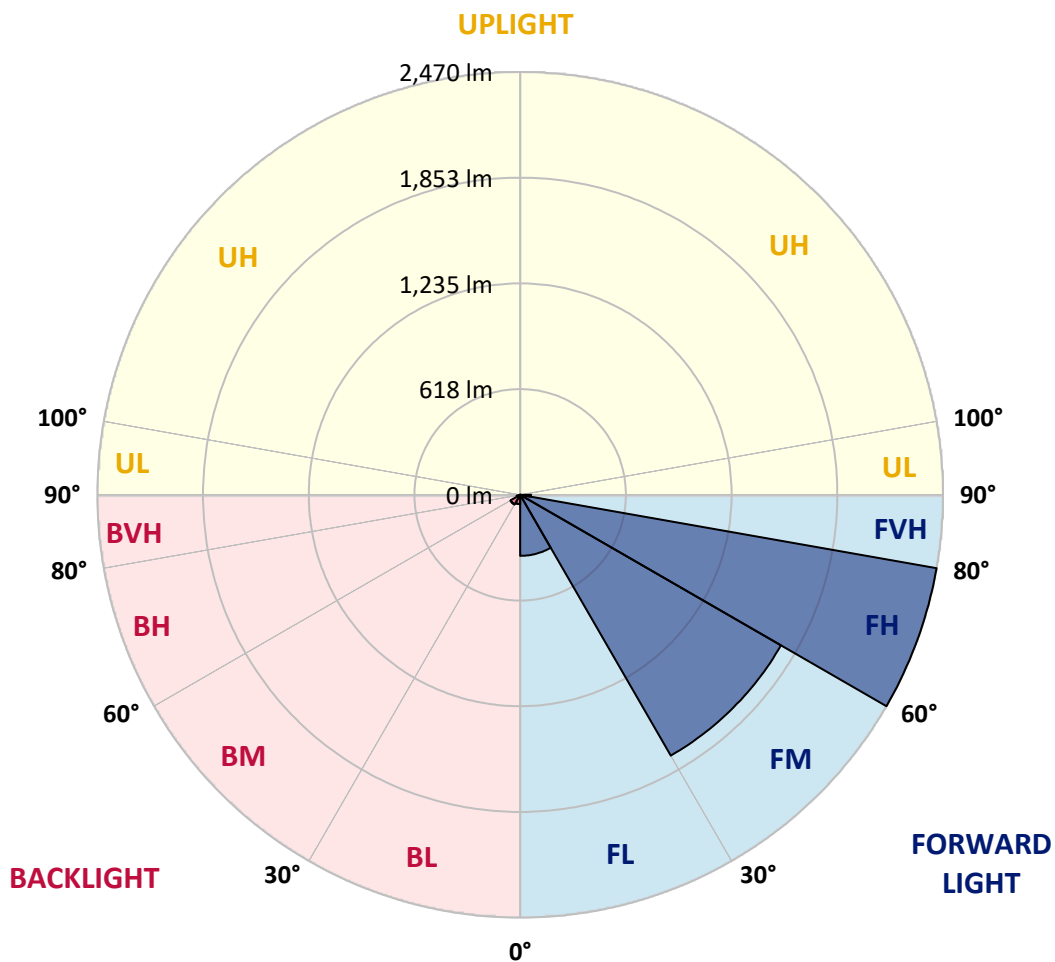
CATALOG NUMBER: ICM-E03-LED-E1-SL4-HSS-8030

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	356.7	7.4			
FM	(30°-60°)	1759.5	36.7			
FH	(60°-80°)	2470.2	51.5			G2/5000
FVH	(80°-90°)	63.7	1.3			G1/100
BL	(0°-30°)	54.3	1.1	B0/110		
BM	(30°-60°)	65.2	1.4	B0/220		
BH	(60°-80°)	20.8	0.4	B0/110		G0/110
BVH	(80°-90°)	2.5	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	362.0	362.0	362.0	362.0	362.0	362.0	362.0	362.0	362.0	362.0	362.0
2.5°	482.9	477.3	471.1	471.1	463.3	463.3	458.5	446.0	444.4	437.3	430.2
5°	616.3	611.6	603.7	596.7	590.4	579.4	571.5	556.7	540.2	524.5	510.3
7.5°	746.6	744.3	730.1	727.8	717.6	699.5	683.8	661.9	633.6	611.6	585.7
10°	867.5	862.1	858.9	845.6	830.6	811.0	786.7	760.0	727.0	692.5	655.5
12.5°	963.4	960.2	946.1	940.6	924.8	905.2	874.6	840.1	807.1	762.3	719.2
15°	1034.8	1029.3	1019.8	1011.3	992.4	975.1	946.9	909.1	869.1	820.5	768.7
17.5°	1094.4	1084.3	1081.9	1068.6	1048.9	1028.5	997.1	962.5	915.4	866.8	810.2
20°	1174.5	1160.4	1155.7	1136.1	1113.3	1085.0	1048.9	1005.8	956.3	902.9	844.7
22.5°	1268.8	1258.5	1248.3	1231.1	1202.1	1162.0	1109.4	1062.2	999.4	940.6	877.8
25°	1402.2	1393.6	1377.1	1353.5	1317.4	1269.5	1206.0	1136.8	1063.1	987.6	913.9
27.5°	1531.7	1523.9	1512.1	1494.1	1453.2	1400.7	1322.1	1234.2	1140.8	1049.7	968.0
30°	1653.4	1646.3	1634.6	1616.6	1580.5	1528.7	1439.9	1345.7	1229.5	1123.5	1025.4
32.5°	1784.6	1782.2	1768.8	1743.0	1711.5	1641.7	1545.1	1443.8	1326.1	1203.5	1088.9
35°	1932.9	1914.9	1902.3	1876.4	1823.0	1748.5	1635.4	1524.7	1400.7	1275.0	1147.1
37.5°	2058.5	2041.3	2025.6	1992.6	1927.5	1832.5	1704.5	1582.8	1454.8	1326.8	1196.5
40°	2150.4	2141.8	2123.0	2079.7	2006.7	1893.7	1755.5	1622.8	1494.1	1365.3	1236.6
42.5°	2218.7	2205.4	2184.2	2139.5	2053.0	1924.3	1775.9	1639.4	1512.1	1388.8	1262.4
45°	2243.8	2232.9	2213.2	2164.6	2071.1	1932.9	1775.2	1634.6	1512.9	1395.9	1279.7
47.5°	2228.9	2218.0	2200.7	2155.2	2063.3	1922.7	1761.0	1621.2	1505.0	1398.2	1295.4
50°	2179.5	2173.2	2159.8	2121.4	2038.9	1903.1	1748.5	1614.1	1503.5	1410.1	1317.4
52.5°	2174.8	2170.8	2154.3	2115.9	2031.8	1896.8	1746.9	1618.1	1516.8	1424.9	1333.1
55°	2657.6	2601.9	2477.0	2371.1	2196.8	1989.5	1826.2	1681.7	1573.4	1483.8	1419.5
57.5°	3777.1	3694.0	3529.9	3328.1	2927.6	2534.3	2219.5	1991.8	1879.5	1838.7	1863.1
60°	4301.6	4286.7	4260.8	4165.0	3960.1	3621.7	3244.9	2837.4	2674.1	2659.9	2709.4
62.5°	4550.5	4541.1	4549.0	4537.1	4473.6	4374.6	4266.3	4090.4	3928.7	3824.3	3602.9
65°	4665.1	4671.4	4716.2	4751.5	4759.4	4785.2	4864.6	5083.6	5243.8	4974.4	4359.7
67.5°	4373.9	4410.7	4513.6	4642.4	4793.1	4939.1	5174.6	5636.3	5965.2	5648.9	4775.8
69°	3621.0	3639.0	3890.3	4132.9	4501.1	4758.5	5100.1	5705.4	6075.2	5718.0	4742.8
70°	2850.7	2867.3	3136.5	3466.3	4088.9	4420.2	4866.9	5588.4	5972.3	5626.1	4573.2
72.5°	1286.1	1262.4	1357.5	1534.1	2210.9	2736.9	3518.1	4527.7	4927.4	4507.4	3421.5
75°	898.1	888.0	898.1	899.0	1004.2	1295.4	1634.6	2454.2	3035.3	2619.2	1634.6
77.5°	695.6	688.6	681.5	673.6	686.1	768.7	801.6	870.7	1130.5	1069.3	623.4
80°	550.3	544.1	561.4	555.8	555.8	565.3	559.0	533.1	484.4	449.1	402.0
82.5°	255.9	257.5	257.5	279.5	336.8	393.3	411.4	385.5	342.3	291.3	234.8
85°	24.4	27.4	46.3	71.4	142.1	160.2	160.9	133.5	133.5	105.2	84.8
87.5°	0.0	0.7	0.7	0.7	7.1	19.6	16.5	4.7	2.3	2.3	3.9
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):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	362.0	362.0	362.0	362.0	362.0	362.0	362.0	362.0	362.0	362.0	362.0
2.5°	417.7	415.4	405.9	396.5	387.8	378.4	369.8	361.1	351.7	344.7	336.0
5°	488.4	471.1	451.4	432.6	413.8	394.1	373.7	355.6	336.8	319.5	303.1
7.5°	559.8	526.0	499.4	465.6	435.0	404.4	376.1	347.0	320.3	295.2	271.6
10°	620.3	579.4	537.8	494.6	450.7	409.9	370.6	336.0	300.7	270.0	241.0
12.5°	669.7	617.9	566.9	512.7	463.3	411.4	362.7	321.1	279.5	244.9	215.2
15°	714.4	654.8	593.6	530.7	467.9	409.0	354.9	303.1	260.7	221.4	187.6
17.5°	750.6	682.2	613.2	542.5	475.0	405.9	344.7	290.5	241.0	200.2	167.3
20°	782.0	710.5	635.9	556.7	479.7	405.1	336.0	274.8	223.7	180.6	148.4
22.5°	811.0	739.5	659.5	574.7	486.8	404.4	328.2	263.0	208.8	165.7	133.5
25°	844.0	768.7	684.7	593.6	499.4	407.4	323.4	253.6	195.5	151.5	121.7
27.5°	880.9	801.6	714.4	617.1	515.8	413.8	321.9	243.4	183.7	138.1	112.3
30°	932.7	840.8	744.3	640.7	530.7	420.8	320.3	237.1	171.9	128.0	102.9
32.5°	978.2	879.4	777.3	665.0	547.3	427.9	319.5	228.5	160.9	117.8	95.8
35°	1026.1	914.6	805.5	688.6	561.4	435.7	318.8	222.1	150.7	107.5	88.7
37.5°	1067.7	944.5	827.5	708.9	577.0	442.8	319.5	216.7	141.3	98.9	82.4
40°	1103.1	975.1	851.8	727.8	593.6	453.8	320.3	211.2	131.9	91.1	76.9
42.5°	1134.5	1004.2	877.8	749.0	612.4	466.3	325.0	206.5	124.1	84.0	71.4
45°	1158.8	1030.9	906.1	778.8	643.0	486.8	333.7	203.4	116.2	77.8	66.7
47.5°	1183.9	1070.1	953.9	826.0	687.7	519.0	348.6	202.5	110.0	73.0	62.8
50°	1218.5	1109.4	996.3	873.9	728.6	551.9	366.6	203.4	102.0	68.3	58.9
52.5°	1243.6	1149.4	1051.3	957.0	826.0	652.5	436.6	217.5	98.1	64.4	54.1
55°	1392.0	1375.5	1377.9	1393.6	1292.3	1110.1	730.1	314.0	115.4	73.0	53.4
57.5°	1962.8	2020.8	2054.6	2053.9	1886.6	1564.8	980.6	403.5	128.7	84.8	63.6
60°	2713.3	2669.4	2607.4	2454.2	2232.1	1786.2	1096.8	434.1	111.4	67.5	58.1
62.5°	3376.8	3119.3	2890.8	2642.7	2351.5	1863.1	1120.4	431.8	97.4	51.1	40.8
65°	3790.5	3327.3	2958.3	2647.4	2304.3	1798.7	1059.9	396.5	82.4	41.6	33.8
67.5°	3889.4	3215.0	2692.9	2296.5	1925.1	1399.8	778.1	298.3	64.4	34.5	29.9
69°	3673.5	2857.8	2231.3	1781.4	1400.7	928.7	481.3	188.5	49.5	31.4	27.4
70°	3379.1	2485.7	1817.5	1429.7	1037.1	652.5	336.8	132.7	40.0	29.0	25.1
72.5°	2174.0	1305.7	893.5	621.8	427.9	259.9	131.9	59.6	30.6	24.4	20.4
75°	843.2	482.9	350.1	266.1	208.1	144.5	80.1	38.5	26.0	20.4	15.7
77.5°	415.4	318.0	259.9	178.2	103.6	64.4	43.2	29.9	21.2	14.9	10.2
80°	328.2	218.2	130.3	80.8	61.2	46.3	32.9	24.4	15.7	9.4	7.1
82.5°	168.0	91.8	67.5	55.0	45.6	36.1	26.7	17.3	10.2	6.3	5.5
85°	52.6	38.5	34.5	33.8	31.4	26.0	18.9	11.0	6.3	3.9	3.9
87.5°	3.9	5.5	7.1	5.5	6.3	5.5	7.1	4.7	3.2	3.2	2.3
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):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	362.0	362.0	362.0	362.0	362.0	362.0	362.0	362.0	362.0	362.0	362.0
2.5°	329.8	320.3	311.7	306.2	296.0	292.1	288.1	286.6	279.5	281.0	274.8
5°	288.1	271.6	259.1	246.5	234.8	226.1	219.1	210.4	203.4	200.2	194.0
7.5°	250.4	229.2	212.7	199.4	185.3	174.3	164.8	158.6	152.3	146.0	142.9
10°	217.5	194.7	175.9	162.5	149.2	139.7	132.7	128.0	124.1	121.7	120.9
12.5°	186.9	164.8	147.6	135.8	125.6	120.9	117.8	115.4	114.6	113.9	113.9
15°	163.3	141.3	128.0	119.3	114.6	112.3	111.4	110.0	108.4	107.5	107.5
17.5°	141.3	124.8	115.4	110.7	108.4	106.8	105.2	103.6	102.0	101.3	101.3
20°	126.4	113.0	108.4	105.2	102.9	101.3	98.9	97.4	96.6	95.8	95.0
22.5°	114.6	106.0	102.9	100.5	97.4	95.0	93.4	91.8	90.3	89.5	88.7
25°	106.0	100.5	98.1	95.0	91.8	89.5	87.2	84.8	83.3	82.4	80.8
27.5°	99.7	95.8	92.7	88.7	85.6	83.3	80.8	78.5	76.9	75.3	74.6
30°	94.2	90.3	86.3	83.3	79.3	76.9	73.8	71.4	70.7	69.1	67.5
32.5°	88.7	84.8	80.8	76.9	73.0	69.9	68.3	65.2	63.6	62.8	61.2
35°	82.4	78.5	73.8	70.7	66.7	63.6	61.2	58.9	57.3	55.7	55.0
37.5°	76.9	72.2	67.5	63.6	60.5	57.3	55.0	52.6	51.1	49.5	48.7
40°	70.7	66.0	61.2	57.3	54.1	51.8	49.5	47.1	45.6	44.7	44.7
42.5°	65.2	59.6	55.0	51.8	49.5	46.3	44.0	41.6	40.8	40.0	40.8
45°	59.6	54.1	50.2	47.1	44.7	41.6	39.3	37.7	36.9	37.7	38.5
47.5°	55.0	49.5	45.6	43.2	40.8	38.5	36.1	34.5	34.5	36.1	37.7
50°	50.2	44.7	41.6	40.0	37.7	35.3	32.2	31.4	32.2	33.8	35.3
52.5°	45.6	39.3	36.9	36.1	33.8	31.4	29.0	28.3	29.0	30.6	29.9
55°	40.8	34.5	33.8	32.9	30.6	27.4	25.1	25.1	25.1	24.4	22.8
57.5°	39.3	30.6	29.9	29.0	26.7	23.5	22.0	20.4	19.6	17.3	16.5
60°	40.8	27.4	27.4	26.0	23.5	20.4	18.0	15.7	14.1	12.6	12.6
62.5°	32.9	25.1	24.4	22.8	19.6	16.5	14.1	11.8	11.0	10.2	10.2
65°	26.7	22.8	21.2	18.9	16.5	13.3	11.0	9.4	8.7	8.7	9.4
67.5°	24.4	20.4	18.0	15.7	13.3	10.2	8.7	7.8	7.8	8.7	8.7
69°	22.8	18.9	16.5	14.1	11.8	9.4	7.8	7.8	7.8	7.8	8.7
70°	21.2	18.0	15.7	13.3	10.2	7.8	7.1	7.1	7.8	7.8	8.7
72.5°	16.5	14.1	13.3	11.0	7.8	7.1	6.3	7.1	7.1	7.8	7.8
75°	12.6	10.2	10.2	8.7	6.3	5.5	5.5	6.3	6.3	7.1	7.1
77.5°	8.7	7.1	7.1	6.3	5.5	4.7	4.7	5.5	6.3	6.3	7.1
80°	6.3	5.5	4.7	5.5	4.7	3.9	4.7	5.5	5.5	6.3	6.3
82.5°	4.7	4.7	4.7	4.7	3.9	3.9	4.7	4.7	5.5	6.3	6.3
85°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.7	4.7	5.5	5.5
87.5°	2.3	2.3	2.3	3.2	3.2	3.9	3.9	3.9	3.9	4.7	4.7
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: ICM-E03-LED-E1-SL4-HSS-8030

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°
0°	362.0	362.0	362.0	362.0
2.5°	273.2	272.5	269.3	270.0
5°	191.5	186.9	190.0	189.2
7.5°	140.6	139.7	139.0	140.6
10°	120.1	120.1	119.3	120.1
12.5°	113.0	113.0	113.0	113.0
15°	107.5	107.5	106.8	106.8
17.5°	101.3	101.3	101.3	100.5
20°	95.0	94.2	94.2	94.2
22.5°	87.9	87.2	87.2	87.2
25°	80.8	80.1	80.1	80.1
27.5°	73.8	73.0	72.2	72.2
30°	66.7	66.0	65.2	65.2
32.5°	59.6	58.9	58.1	58.1
35°	53.4	53.4	52.6	51.8
37.5°	47.9	47.9	47.9	47.9
40°	44.0	44.7	44.7	44.7
42.5°	41.6	42.4	43.2	44.0
45°	40.0	41.6	42.4	42.4
47.5°	39.3	40.0	40.8	40.8
50°	36.1	35.3	35.3	35.3
52.5°	29.0	27.4	26.7	26.0
55°	21.2	20.4	18.9	18.9
57.5°	14.9	14.9	14.1	14.1
60°	11.8	11.8	11.0	11.8
62.5°	10.2	10.2	10.2	10.2
65°	9.4	9.4	9.4	9.4
67.5°	9.4	9.4	9.4	9.4
69°	8.7	8.7	8.7	8.7
70°	8.7	8.7	8.7	8.7
72.5°	7.8	7.8	7.8	7.8
75°	7.1	7.8	7.8	7.8
77.5°	7.1	7.1	7.1	7.1
80°	6.3	6.3	7.1	7.1
82.5°	6.3	6.3	6.3	6.3
85°	5.5	5.5	6.3	6.3
87.5°	4.7	4.7	5.5	5.5
90°	0.0	0.0	0.0	0.0

(END OF REPORT)