

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: P181157

Luminaire Tested: **ICM-E01-LED-E1-T2-HSS**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P181157  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33723)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ICM-E01-LED-E1-T2-HSS  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ HOUSE SIDE SHIELD  
Light Source: (21) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1489.6 lumens  
Efficiency: N/A  
Efficacy: 60.3 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G1

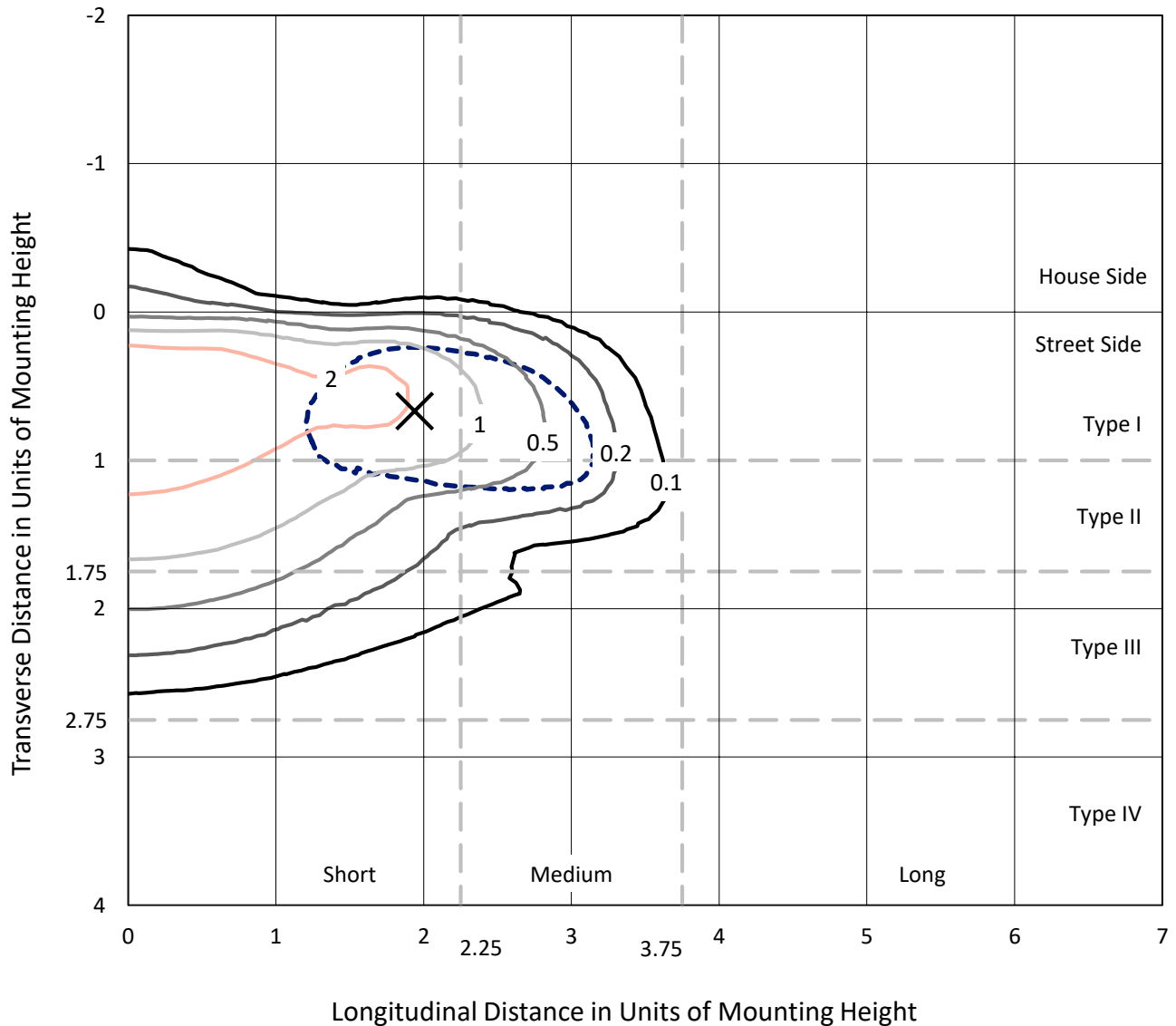
Input Watts (W): 24.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

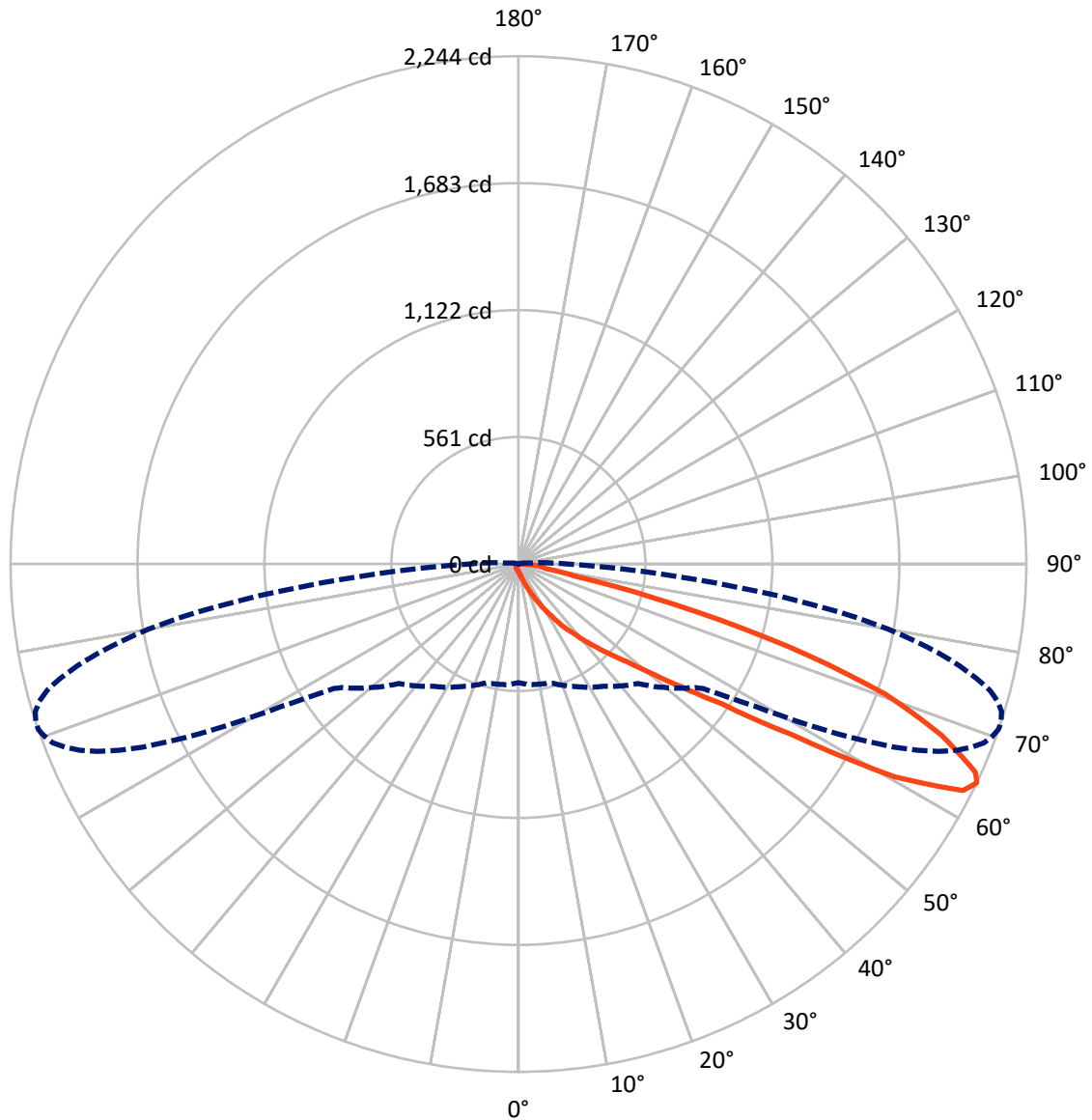
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.9 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral    - - - Horizontal Cone Through 64-Deg Vertical

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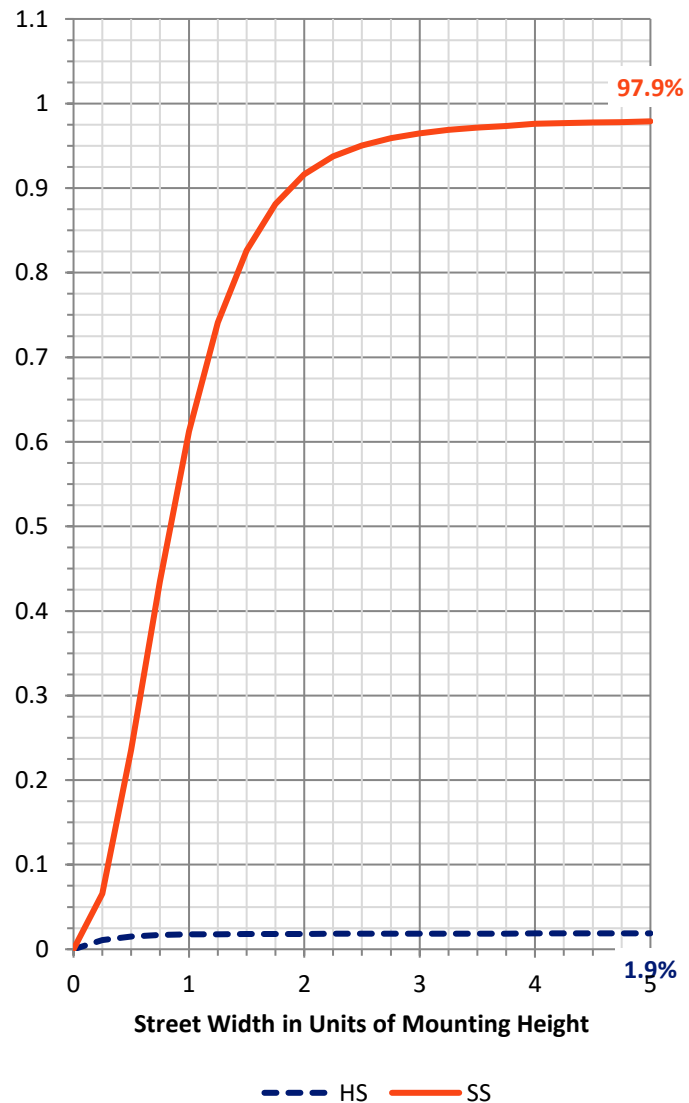
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	28.5	0.0	28.5
	% Fixture	1.9	0.0	1.9
<b>Street Side</b>	Lumens	1461.1	0.0	1461.1
	% Fixture	98.1	0.0	98.1
<b>Total</b>	Lumens	1489.6	0.0	1489.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.6	0.3
10°-20°	26.9	1.8
20°-30°	68.8	4.6
30°-40°	139.1	9.3
40°-50°	254.3	17.1
50°-60°	396.3	26.6
60°-70°	440.5	29.6
70°-80°	143.6	9.6
80°-90°	15.5	1.0
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°	1489.6	100.0
0°-180°	1489.6	100.0



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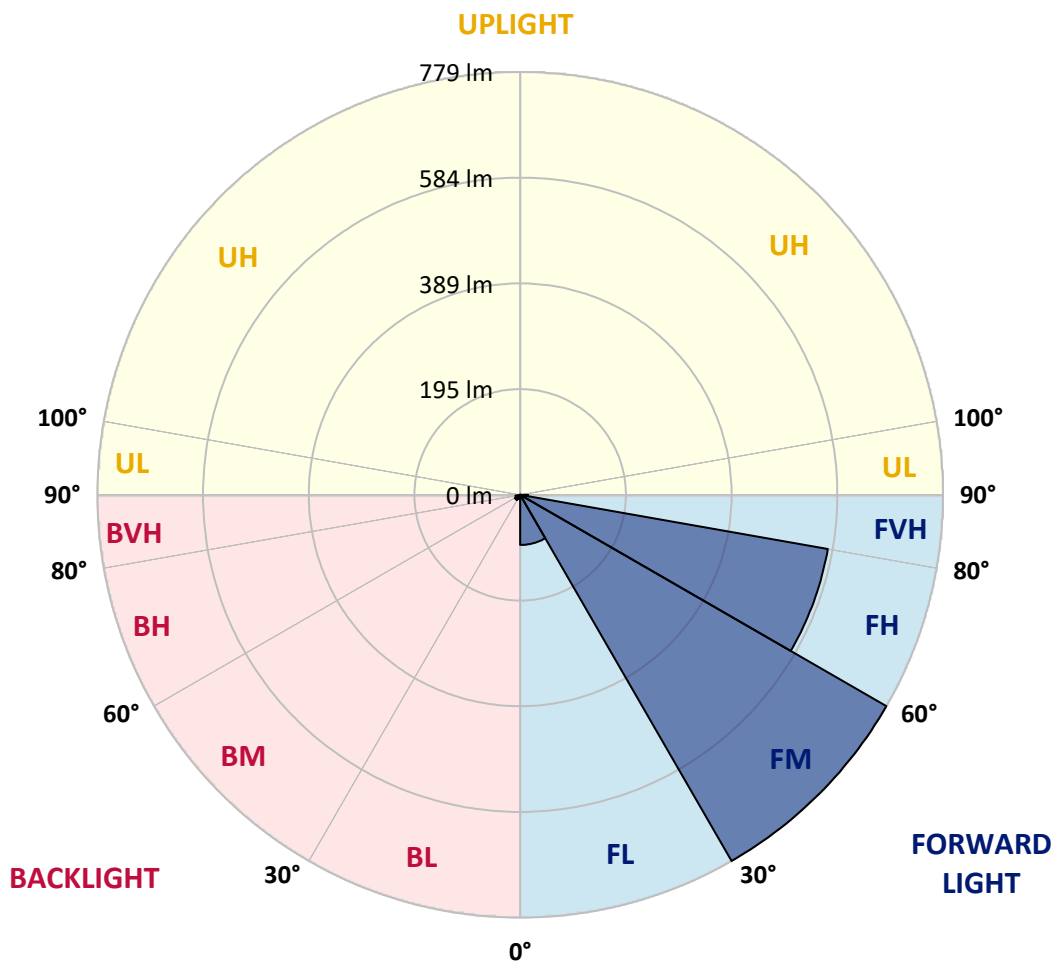
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	92.3	6.2			
FM (30°-60°)	778.7	52.3			
FH (60°-80°)	575.3	38.6			G0/660
FVH (80°-90°)	14.7	1.0			G1/100
BL (0°-30°)	7.9	0.5	B0/110		
BM (30°-60°)	11.0	0.7	B0/220		
BH (60°-80°)	8.8	0.6	B0/110		G0/110
BVH (80°-90°)	0.8	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-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
2.5°	44.7	44.0	44.0	43.1	41.9	40.7	39.3	39.1	38.8	38.4	38.4
5°	70.0	67.6	66.7	63.3	58.9	53.7	49.0	47.7	47.7	46.8	46.2
7.5°	110.0	108.8	102.3	98.9	88.7	76.0	62.6	61.4	61.1	59.8	58.0
10°	161.2	158.8	154.1	144.2	125.6	103.5	84.7	81.6	79.3	76.9	74.4
12.5°	212.4	209.3	202.5	186.3	167.7	139.5	109.1	106.3	103.0	99.5	95.5
15°	263.5	261.4	250.9	234.7	210.5	176.7	138.3	133.3	130.5	123.7	120.7
17.5°	307.9	305.1	296.7	278.4	253.3	216.1	170.5	164.4	159.7	155.6	148.2
20°	346.3	343.5	335.5	320.3	292.1	255.5	205.3	202.1	193.8	187.6	183.3
22.5°	370.0	369.0	363.7	349.1	324.0	291.4	244.9	240.0	234.4	226.0	221.1
25°	384.5	383.5	380.5	370.2	353.2	329.3	288.7	282.5	277.5	270.0	263.9
27.5°	399.7	399.1	396.6	387.6	378.6	363.7	333.0	329.6	318.8	314.4	308.6
30°	424.8	422.0	424.2	419.8	408.4	399.1	377.7	372.7	368.1	360.7	355.4
32.5°	464.8	460.2	464.8	460.2	455.2	444.0	423.5	422.0	417.4	412.7	405.3
35°	513.8	511.9	515.6	519.7	515.6	500.7	476.0	471.4	469.5	462.0	459.3
37.5°	563.1	566.5	573.3	582.3	579.8	569.0	534.0	529.6	526.2	519.7	514.7
40°	616.1	616.5	631.0	644.0	650.5	644.0	597.9	594.4	589.8	580.5	579.3
42.5°	673.8	671.4	682.1	696.7	710.1	719.1	682.1	675.6	669.1	658.6	651.4
45°	724.9	724.9	733.7	747.3	767.7	790.4	771.2	764.4	758.1	749.5	741.4
47.5°	762.8	763.1	768.4	788.2	820.2	854.0	854.6	855.8	851.2	840.9	841.2
50°	789.5	786.1	793.2	812.4	849.3	902.3	940.5	942.6	946.3	938.0	940.5
52.5°	809.0	807.4	812.1	828.2	865.1	930.0	1010.9	1020.2	1025.8	1027.0	1037.2
55°	798.8	799.7	810.9	834.1	873.8	948.2	1070.7	1085.9	1098.9	1110.1	1122.8
57.5°	764.9	767.7	787.3	823.5	875.6	963.1	1134.2	1157.5	1182.1	1211.8	1236.9
60°	711.0	717.5	743.9	794.7	857.7	943.5	1153.2	1188.8	1226.3	1271.6	1322.1
62.5°	631.9	633.2	650.5	699.8	769.3	839.7	1066.3	1111.9	1161.6	1227.0	1297.7
64°	523.7	534.9	543.0	597.2	659.3	747.0	951.6	983.3	1052.4	1132.8	1221.7
65°	432.3	445.6	452.1	506.3	577.4	661.1	851.8	885.6	958.4	1040.0	1151.0
67.5°	254.9	245.9	264.8	296.7	356.3	455.5	574.6	600.3	654.6	751.6	840.3
70°	164.4	164.4	181.7	214.2	269.5	345.4	394.7	383.9	395.4	432.8	495.5
72.5°	105.4	111.0	121.6	149.1	200.3	289.6	403.4	352.3	325.6	313.2	312.6
75°	48.1	51.2	62.6	79.1	107.0	188.8	406.8	384.5	360.0	336.5	318.1
77.5°	10.2	11.8	19.8	40.9	52.1	87.2	288.7	322.1	348.8	356.6	356.6
80°	5.3	5.6	8.4	19.3	22.3	29.5	111.3	146.3	180.5	225.4	272.6
82.5°	2.1	2.5	4.9	8.7	9.3	9.0	29.5	37.2	51.2	74.4	111.0
85°	0.7	0.7	2.1	3.4	4.9	4.0	6.5	7.4	9.6	14.0	26.7
87.5°	0.0	0.0	0.3	0.7	0.9	1.6	1.9	1.9	1.9	1.9	1.9
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):**

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
2.5°	38.1	38.1	37.9	37.5	37.5	36.9	36.9	36.6	36.6	36.3	36.3
5°	45.9	45.3	44.7	43.7	43.4	42.8	42.1	41.6	40.9	40.7	40.0
7.5°	57.0	56.5	54.6	53.3	51.8	50.9	49.6	48.7	47.7	47.2	45.9
10°	71.9	69.8	68.8	64.5	63.5	61.4	59.5	58.3	55.8	54.2	52.7
12.5°	93.0	89.0	87.4	80.0	77.9	74.7	72.6	69.5	66.7	64.8	62.0
15°	116.9	113.8	107.9	100.5	96.5	93.0	87.7	85.3	81.6	77.5	73.5
17.5°	145.4	139.8	133.3	123.7	118.8	113.5	108.6	103.3	97.0	93.3	89.0
20°	178.6	172.7	164.7	152.6	146.7	141.4	132.7	129.0	121.6	114.1	108.6
22.5°	214.9	209.0	201.2	187.6	179.8	171.2	164.0	157.5	148.8	141.4	134.9
25°	255.8	249.0	243.1	227.3	217.7	208.7	200.9	189.5	182.0	173.3	164.4
27.5°	302.3	294.2	286.5	269.1	260.2	250.2	240.9	228.8	221.7	207.4	199.1
30°	350.0	340.2	332.1	314.4	306.3	296.1	283.4	272.6	260.5	250.9	237.2
32.5°	400.3	392.3	385.8	367.2	356.9	344.2	332.7	321.2	310.7	295.2	282.8
35°	454.0	446.8	439.7	423.5	414.6	404.9	391.9	378.0	363.4	347.3	336.1
37.5°	510.4	504.8	499.3	479.7	469.1	458.9	444.0	430.0	417.0	400.0	381.1
40°	569.6	564.4	555.4	539.3	528.1	518.8	505.1	492.1	474.4	455.5	438.8
42.5°	644.0	632.6	624.8	607.2	595.4	585.1	573.0	553.5	538.6	516.0	499.8
45°	731.2	720.3	707.6	689.6	675.1	658.3	641.2	627.9	609.3	588.8	568.1
47.5°	829.1	820.5	805.6	787.9	773.3	756.6	736.5	719.4	696.7	672.8	644.7
50°	937.0	928.1	918.1	898.3	883.7	867.9	852.1	831.9	811.4	783.0	753.8
52.5°	1037.2	1039.1	1033.2	1023.9	1016.8	1000.3	985.8	966.5	948.6	922.5	899.8
55°	1136.1	1152.3	1158.4	1167.4	1170.5	1157.2	1156.9	1128.7	1117.9	1102.6	1089.6
57.5°	1266.7	1302.3	1330.5	1385.1	1408.1	1431.4	1435.6	1415.8	1436.3	1410.0	1418.9
60°	1377.7	1443.1	1513.2	1654.2	1724.9	1778.3	1821.1	1852.8	1873.2	1907.9	1909.8
62.5°	1387.6	1490.5	1597.2	1803.1	1899.8	1980.8	2058.0	2111.9	2154.7	2194.2	2203.7
64°	1340.2	1467.6	1597.2	1846.2	1945.1	2035.1	2105.4	2159.1	2202.8	2227.3	2243.5
65°	1254.0	1396.6	1545.8	1817.7	1919.7	2015.2	2082.5	2136.5	2177.7	2202.2	2218.9
67.5°	929.0	1067.0	1216.8	1533.3	1694.0	1781.4	1867.6	1943.3	1976.5	2007.5	2013.3
70°	566.2	666.3	769.6	1063.3	1212.4	1369.6	1466.7	1577.4	1654.9	1702.6	1718.4
72.5°	341.7	376.5	438.1	596.0	738.9	849.3	983.5	1089.3	1176.1	1224.2	1248.4
75°	304.2	299.8	307.9	373.7	424.5	490.9	539.5	605.9	659.5	676.3	707.6
77.5°	351.6	339.3	326.5	314.1	311.6	305.4	295.5	298.0	274.4	251.8	252.4
80°	313.2	343.0	360.7	347.6	318.1	288.4	251.8	206.2	161.2	133.3	121.6
82.5°	157.2	223.5	287.4	350.7	346.3	320.0	279.7	229.8	178.0	136.7	109.1
85°	48.4	85.9	120.9	168.1	195.1	191.4	168.1	163.4	116.6	90.9	70.0
87.5°	2.1	2.1	2.1	1.9	2.1	2.1	2.1	2.5	2.5	2.8	2.8
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):**

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
2.5°	36.3	36.0	35.6	35.3	35.3	35.3	35.1	35.1	34.7	34.7	34.4
5°	40.0	39.3	39.1	38.4	38.4	37.9	37.5	37.2	36.6	36.3	36.0
7.5°	44.9	44.4	43.4	42.5	42.1	41.2	40.3	39.7	39.1	38.4	37.9
10°	51.4	50.2	48.4	47.2	46.2	44.9	43.7	42.8	41.6	40.3	39.7
12.5°	59.8	57.4	55.5	53.3	51.4	49.6	47.4	46.2	44.9	43.1	41.9
15°	69.5	67.0	64.8	61.1	58.0	55.5	53.7	50.9	48.7	46.2	44.4
17.5°	85.9	79.3	75.1	71.3	68.2	63.5	59.8	56.7	54.0	50.9	48.7
20°	102.0	96.5	90.5	86.2	79.3	75.3	70.4	66.0	61.1	57.4	53.7
22.5°	125.6	118.4	111.0	104.5	95.2	89.6	83.1	77.5	71.3	65.1	61.1
25°	155.3	144.8	134.9	125.6	116.9	108.6	100.2	91.2	84.7	77.2	70.4
27.5°	186.7	174.9	165.3	153.2	142.0	131.8	121.2	111.6	100.5	90.9	82.8
30°	226.0	210.0	198.8	184.2	173.0	158.8	145.8	133.0	119.3	108.2	96.7
32.5°	266.0	255.2	236.3	223.9	207.2	190.0	176.5	161.9	145.1	130.5	116.6
35°	318.8	300.2	284.4	267.0	248.7	231.0	213.3	192.6	175.5	157.5	140.5
37.5°	365.3	346.3	328.1	305.4	284.7	266.0	244.7	223.0	202.8	181.4	160.9
40°	419.3	395.6	374.0	352.8	327.2	305.1	282.8	255.8	232.6	209.0	184.8
42.5°	478.1	454.2	428.6	404.4	376.1	349.1	321.6	294.6	268.6	240.0	211.8
45°	542.6	517.5	488.7	461.1	430.4	400.7	367.7	336.7	306.0	274.1	241.6
47.5°	622.6	590.4	563.7	529.3	491.2	459.8	419.5	384.2	349.1	311.9	275.4
50°	726.2	689.6	651.2	613.0	570.9	531.2	486.5	444.7	397.9	356.3	314.4
52.5°	863.5	836.3	791.6	747.9	696.5	645.9	584.5	530.2	470.0	417.0	365.9
55°	1058.6	1040.7	1001.9	954.1	909.1	835.4	764.7	680.3	602.1	525.9	454.0
57.5°	1411.8	1392.3	1349.1	1337.7	1268.6	1214.2	1131.4	1022.3	890.0	773.3	657.0
60°	1920.3	1882.2	1840.0	1832.3	1751.0	1694.0	1611.8	1495.5	1370.9	1184.8	1026.3
62.5°	2204.4	2192.9	2158.8	2116.9	2046.5	1961.9	1869.5	1756.9	1630.4	1467.3	1278.8
64°	2242.5	2231.9	2202.5	2155.4	2084.7	2000.7	1898.3	1786.1	1659.3	1510.4	1338.3
65°	2218.6	2203.7	2178.6	2135.2	2069.5	1988.8	1885.9	1772.1	1643.5	1500.2	1340.2
67.5°	2026.1	2019.3	1996.3	1956.0	1914.7	1842.2	1751.6	1650.0	1544.8	1402.8	1271.6
70°	1720.3	1715.4	1686.2	1670.1	1601.9	1556.0	1482.8	1402.8	1309.8	1210.9	1099.3
72.5°	1275.4	1258.6	1235.1	1210.5	1164.4	1101.4	1044.4	959.1	911.0	827.6	764.7
75°	676.3	665.8	629.1	578.0	520.9	491.4	432.3	379.3	337.0	318.1	272.6
77.5°	233.8	213.0	192.6	169.6	134.6	106.0	84.7	67.6	53.3	47.2	39.3
80°	116.6	110.7	104.2	91.2	76.6	61.7	48.4	38.1	31.3	26.7	23.9
82.5°	94.6	83.7	74.7	65.4	52.4	43.1	34.1	27.9	23.0	20.2	17.7
85°	55.8	42.8	32.6	29.5	23.0	19.8	17.0	14.6	12.4	11.8	10.9
87.5°	2.1	2.8	2.8	2.1	2.8	2.5	2.5	2.1	2.1	2.1	2.1
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):**

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
2.5°	34.4	34.1	34.1	33.8	33.5	33.5	33.5	33.2	32.6	31.3	30.4
5°	35.6	35.3	35.1	34.4	34.1	33.8	33.5	33.5	31.9	29.8	28.2
7.5°	37.2	36.6	36.0	35.3	35.1	34.4	33.8	33.5	31.3	28.6	27.0
10°	38.8	37.9	36.9	36.6	35.6	35.1	34.1	33.5	31.0	27.6	25.4
12.5°	40.7	39.3	38.1	37.2	36.0	35.3	34.4	33.5	30.4	26.7	24.2
15°	42.8	40.9	39.3	38.4	37.2	35.6	34.4	33.5	29.8	25.8	23.0
17.5°	45.6	43.4	41.6	39.7	37.9	36.3	35.1	33.8	28.8	24.5	21.4
20°	50.0	47.2	44.0	41.9	39.3	37.5	35.3	33.8	28.2	23.3	20.2
22.5°	55.8	51.4	48.1	44.4	41.2	38.8	36.3	34.4	27.3	22.0	18.6
25°	64.2	58.6	53.0	48.4	44.4	40.9	37.9	35.3	26.7	21.1	17.7
27.5°	73.5	67.0	59.5	54.0	48.4	43.4	40.0	36.9	26.7	20.5	16.7
30°	86.5	77.2	68.2	61.1	53.7	48.1	43.1	39.1	26.7	20.2	15.8
32.5°	102.3	91.8	80.3	70.0	61.4	53.3	47.2	41.9	27.3	19.5	15.2
35°	124.4	108.8	95.2	82.5	71.0	61.7	53.7	46.5	28.2	19.3	14.2
37.5°	141.7	123.1	105.8	91.2	77.9	66.3	56.1	48.4	27.3	18.0	13.3
40°	162.5	141.4	120.3	102.0	86.8	71.9	60.2	50.9	26.7	16.5	12.1
42.5°	187.6	161.2	136.7	116.0	97.0	79.3	65.4	54.0	26.7	15.5	11.2
45°	211.2	182.3	155.1	129.0	107.0	87.4	70.4	57.4	26.3	14.6	10.0
47.5°	240.3	206.2	174.2	144.2	118.8	94.9	75.6	60.5	26.0	13.7	9.0
50°	274.7	233.2	197.2	161.2	130.2	103.9	81.9	63.9	25.4	12.7	8.1
52.5°	312.8	268.2	222.3	180.7	144.5	113.5	87.7	67.0	24.5	11.8	7.2
55°	380.5	319.1	264.8	213.3	166.2	127.7	96.5	71.6	23.5	10.9	6.2
57.5°	542.6	440.9	364.0	286.5	218.9	164.0	120.0	84.9	22.3	9.6	4.9
60°	852.1	684.4	553.8	434.4	331.2	251.8	176.7	125.6	23.9	8.1	4.4
62.5°	1093.0	900.2	734.0	584.2	453.7	344.8	257.4	187.6	34.4	7.2	3.4
64°	1156.0	960.7	783.3	626.3	490.5	378.3	287.2	212.1	44.4	7.2	3.1
65°	1165.3	979.3	800.9	641.9	503.3	387.3	295.8	220.2	48.4	7.4	2.8
67.5°	1126.8	968.4	806.2	648.4	512.8	399.7	307.6	232.8	54.6	7.2	2.1
70°	984.2	867.6	734.2	606.5	483.7	379.8	295.8	225.8	57.0	6.8	1.9
72.5°	669.8	589.5	510.7	420.2	336.7	277.5	215.8	159.1	40.0	5.6	1.6
75°	223.3	217.7	194.7	147.6	124.0	100.7	80.7	62.0	15.2	3.4	1.6
77.5°	37.2	31.9	27.9	26.7	22.3	21.7	18.9	15.2	6.5	2.1	1.6
80°	21.7	19.8	17.4	15.5	13.7	12.1	10.2	8.7	4.0	1.6	1.9
82.5°	16.1	14.2	12.7	11.2	9.6	8.4	7.2	5.9	2.1	1.6	1.9
85°	9.3	8.1	7.2	6.2	4.9	4.4	3.7	3.1	1.6	1.6	1.6
87.5°	1.9	1.9	1.6	1.6	1.6	1.6	1.6	1.2	1.6	1.6	1.2
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: P181157

CATALOG NUMBER: ICM-E01-LED-E1-T2-HSS

**CANDELA DISTRIBUTION (continued):**

	125°	135°	145°	155°	165°	175°	180°
0°	33.2	33.2	33.2	33.2	33.2	33.2	33.2
2.5°	29.8	28.8	28.6	28.6	28.6	28.6	28.6
5°	27.3	26.3	25.8	25.4	25.4	25.4	25.4
7.5°	25.4	24.2	23.5	23.0	23.0	22.6	22.6
10°	23.5	22.3	21.4	20.7	20.5	20.5	20.5
12.5°	22.0	20.7	19.5	18.9	18.9	18.6	18.6
15°	20.7	18.9	18.0	17.4	17.4	17.0	17.0
17.5°	19.3	17.7	16.7	16.1	15.8	15.8	15.8
20°	17.7	16.1	15.2	14.9	14.6	14.6	14.2
22.5°	16.5	14.9	14.0	13.7	13.3	13.3	13.0
25°	15.2	13.7	12.7	12.4	12.1	11.8	11.8
27.5°	14.2	12.7	11.8	11.2	10.9	10.5	10.5
30°	13.3	11.4	10.5	10.0	9.6	9.3	9.3
32.5°	12.4	10.5	9.3	8.7	8.4	8.1	8.1
35°	11.2	9.3	8.1	7.7	7.4	7.2	6.8
37.5°	10.2	8.1	7.2	6.5	6.2	5.9	5.9
40°	9.0	7.2	6.2	5.6	4.9	4.7	4.7
42.5°	8.1	6.2	5.3	4.4	4.0	3.7	3.7
45°	7.2	5.6	4.4	3.4	3.1	2.8	2.8
47.5°	6.2	4.7	3.4	2.8	2.5	2.1	2.1
50°	5.3	3.7	2.5	1.9	2.1	1.9	1.9
52.5°	4.7	2.8	1.9	1.9	1.9	1.9	1.9
55°	3.7	2.1	1.6	1.6	1.9	1.9	1.9
57.5°	3.1	1.6	1.2	1.6	1.6	1.6	1.6
60°	2.1	1.2	1.2	1.6	1.6	1.6	1.6
62.5°	1.9	1.2	1.2	1.2	1.6	1.6	1.6
64°	1.6	1.2	1.2	1.2	1.6	1.6	1.6
65°	1.6	1.2	1.2	1.2	1.6	1.6	1.6
67.5°	1.6	1.2	1.2	1.2	1.6	1.6	1.6
70°	1.2	1.2	1.2	1.2	1.6	1.6	1.6
72.5°	1.2	1.2	1.2	1.2	1.6	1.6	1.6
75°	1.2	1.2	1.2	1.2	1.6	1.6	1.6
77.5°	1.2	1.2	1.2	1.6	1.6	1.6	1.6
80°	1.2	1.2	1.2	1.6	1.6	1.6	1.6
82.5°	1.2	1.2	1.2	1.6	1.6	1.6	1.6
85°	1.2	1.2	1.2	1.6	1.6	1.6	1.6
87.5°	1.2	1.2	1.2	1.6	1.6	1.6	1.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)