

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: P180576

Luminaire Tested: **ICM-E03-LED-E1-SL3-HSS-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180576
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: ICM-E03-LED-E1-SL3-HSS-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 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: 4083.7 lumens
Efficiency: N/A
Efficacy: 54.3 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

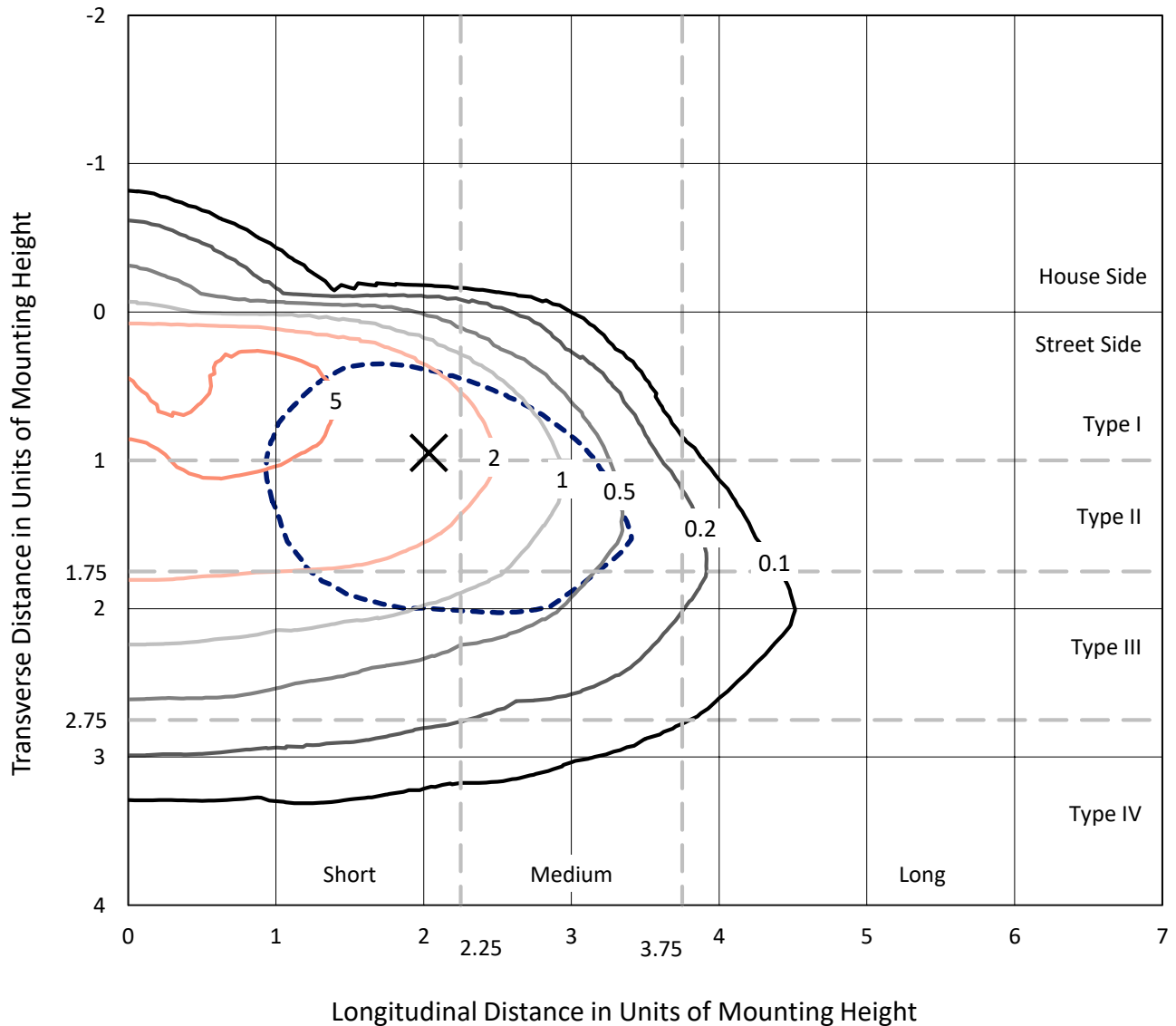


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Iso-Footcandle Lines of Horizontal Illumination

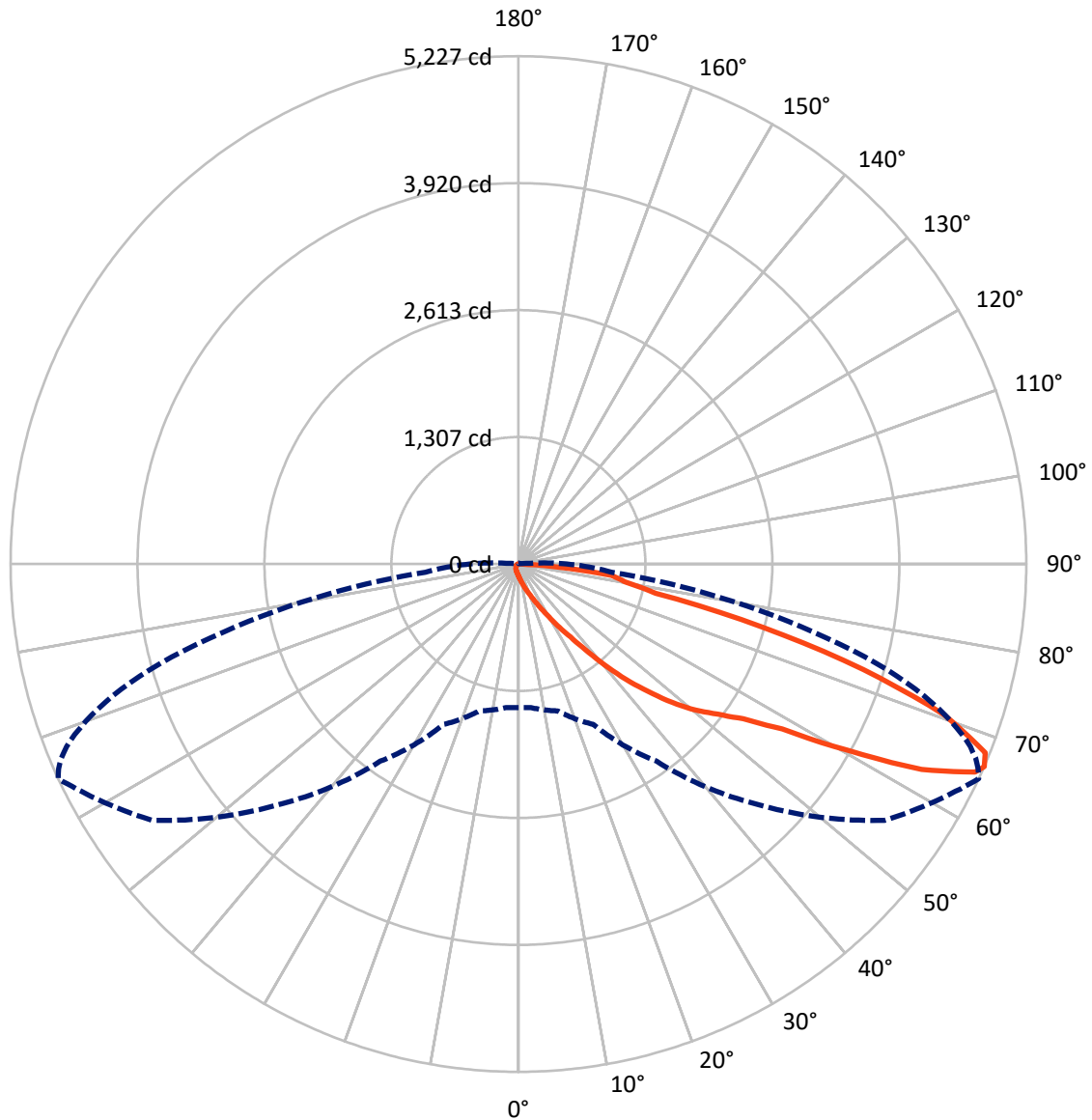
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.7 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	88.5	0.0	88.5
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	3995.2	0.0	3995.2
	% Fixture	97.8	0.0	97.8
Total	Lumens	4083.7	0.0	4083.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.8	0.3
10°-20°	58.5	1.4
20°-30°	126.2	3.1
30°-40°	269.5	6.6
40°-50°	596.0	14.6
50°-60°	1010.0	24.7
60°-70°	1347.7	33.0
70°-80°	593.7	14.5
80°-90°	68.4	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°	4083.7	100.0
0°-180°	4083.7	100.0



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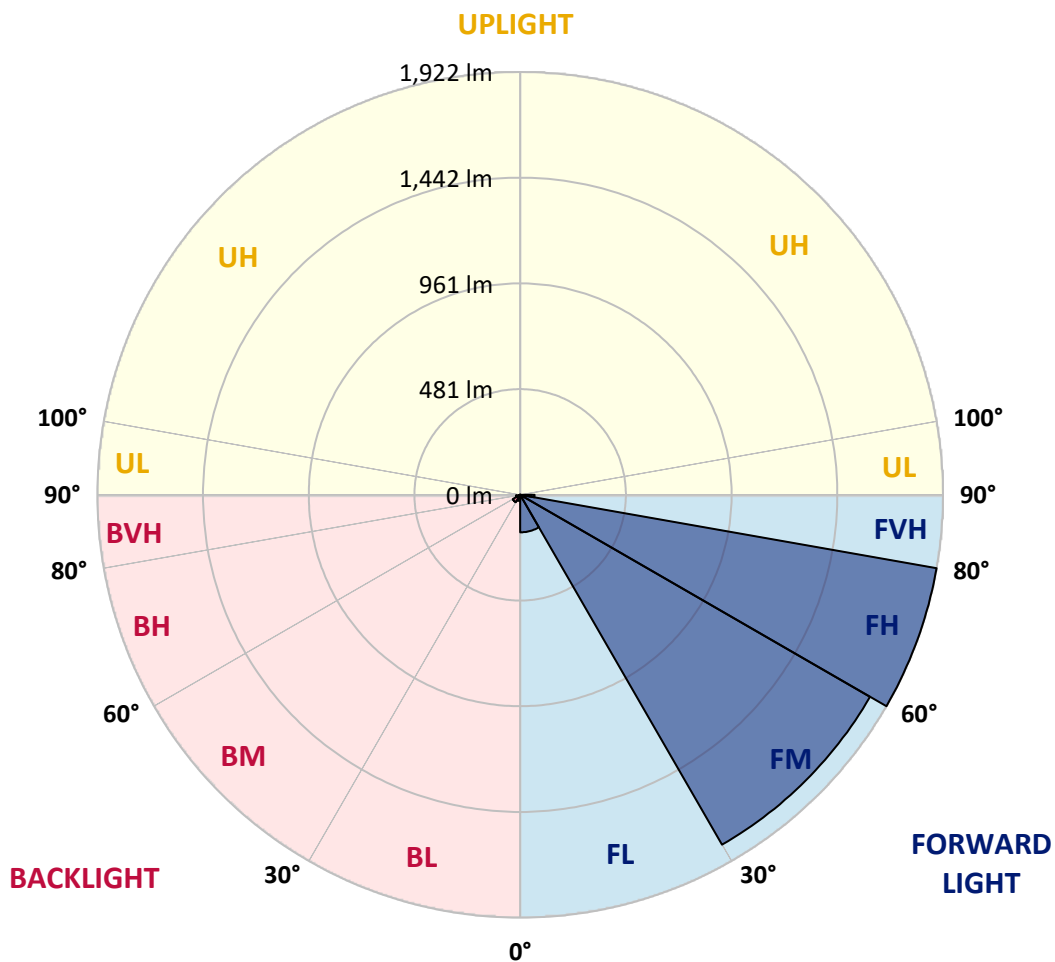
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	170.6	4.2			
FM	(30°-60°)	1836.6	45.0			
FH	(60°-80°)	1922.4	47.1			G2/5000
FVH	(80°-90°)	65.7	1.6			G1/100
BL	(0°-30°)	27.9	0.7	B0/110		
BM	(30°-60°)	38.9	1.0	B0/220		
BH	(60°-80°)	19.0	0.5	B0/110		G0/110
BVH	(80°-90°)	2.7	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°	123.3	123.3	123.3	123.3	123.3	123.3	123.3	123.3	123.3	123.3	123.3
2.5°	155.4	154.7	151.5	151.5	146.8	143.7	139.7	135.8	135.8	135.1	134.2
5°	205.7	201.0	200.2	191.5	184.5	174.3	164.8	152.3	150.7	149.2	148.4
7.5°	261.4	260.7	253.6	243.4	229.2	210.4	191.5	171.2	168.0	166.4	163.3
10°	333.7	329.8	320.3	303.1	281.9	256.7	226.1	194.0	190.0	186.9	185.3
12.5°	402.8	395.7	390.2	368.2	341.5	304.7	267.7	221.4	218.2	214.3	208.1
15°	467.2	460.8	451.4	432.6	402.8	356.5	313.3	256.7	248.8	243.4	238.7
17.5°	517.4	513.5	502.5	481.3	449.1	408.3	356.5	292.8	286.6	279.5	270.9
20°	565.3	559.8	542.5	513.5	478.9	447.5	407.4	339.9	331.4	322.7	313.3
22.5°	610.8	605.3	577.0	529.1	492.3	478.9	464.7	393.3	380.0	372.9	363.5
25°	674.4	662.6	618.7	542.5	493.0	503.3	527.6	462.4	449.9	439.6	424.7
27.5°	760.0	744.3	675.2	562.1	496.2	530.0	599.8	546.4	533.1	521.3	504.8
30°	856.6	846.3	763.9	609.2	519.0	569.2	680.7	653.2	637.5	623.4	603.7
32.5°	953.9	939.8	858.1	698.8	580.2	645.4	782.0	777.3	756.8	743.5	722.3
35°	1039.4	1032.4	972.0	845.6	719.9	778.8	917.0	922.5	904.5	890.3	866.8
37.5°	1097.6	1097.6	1085.8	1003.4	942.1	986.1	1115.6	1116.5	1098.3	1066.1	1054.4
40°	1127.4	1136.1	1178.4	1194.1	1191.0	1247.5	1376.3	1362.1	1347.3	1330.8	1291.5
42.5°	1188.7	1196.5	1286.8	1395.2	1465.8	1540.4	1629.1	1624.4	1606.3	1576.5	1540.4
45°	1292.3	1302.5	1410.1	1582.0	1727.3	1833.2	1889.8	1867.8	1849.7	1821.5	1802.6
47.5°	1424.2	1443.8	1565.5	1778.2	1953.3	2128.5	2187.4	2129.2	2113.5	2091.5	2060.9
50°	1564.8	1583.5	1713.1	1956.5	2154.3	2363.2	2461.3	2363.2	2340.4	2333.3	2298.8
52.5°	1686.4	1702.1	1827.0	2093.9	2308.2	2553.2	2696.1	2566.5	2550.1	2526.5	2501.4
55°	1758.6	1771.2	1888.2	2159.8	2412.7	2724.3	2923.0	2809.1	2784.8	2775.4	2739.3
57.5°	1783.0	1795.5	1900.8	2168.5	2469.2	2880.6	3198.5	3202.4	3173.4	3139.6	3128.7
60°	1783.0	1797.1	1885.9	2147.3	2524.1	3047.0	3566.0	3893.4	3830.5	3824.3	3784.2
62.5°	1709.2	1722.5	1812.0	2082.2	2598.0	3271.6	4077.9	4655.7	4637.7	4596.9	4530.9
65°	1549.0	1556.8	1644.8	1915.6	2569.7	3478.1	4521.4	5162.9	5133.9	5053.8	4969.0
66°	1476.8	1483.1	1565.5	1820.7	2477.0	3506.3	4599.9	5226.5	5178.6	5111.1	5015.3
67.5°	1372.4	1383.4	1441.5	1644.0	2254.8	3408.2	4550.5	5181.7	5140.1	5058.4	4962.7
70°	916.2	908.4	1113.3	1261.7	1717.9	2776.9	4082.6	4652.6	4653.3	4614.9	4576.4
72.5°	435.0	439.6	499.4	776.5	1124.3	1855.3	3249.6	3713.6	3767.0	3697.9	3650.0
75°	312.5	319.5	355.6	475.0	670.5	1113.3	2106.4	2597.1	2598.7	2476.2	2367.1
77.5°	91.1	95.0	133.5	292.8	502.5	751.4	1209.9	1443.8	1410.1	1322.1	1239.7
80°	37.7	37.7	39.3	93.4	201.8	510.3	846.3	1111.7	1107.8	1074.1	1025.4
82.5°	14.1	14.9	18.9	38.5	47.9	125.6	564.5	964.9	962.5	914.6	880.1
85°	1.6	1.6	4.7	16.5	18.0	23.5	113.0	425.5	423.2	425.5	372.9
87.5°	0.0	0.0	0.7	1.6	2.3	3.2	4.7	16.5	18.0	17.3	15.7
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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CANDELA DISTRIBUTION (continued):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	123.3	123.3	123.3	123.3	123.3	123.3	123.3	123.3	123.3	123.3	123.3
2.5°	134.2	132.7	132.7	131.9	131.9	131.9	131.1	130.3	130.3	129.6	128.7
5°	146.8	145.2	144.5	142.9	142.1	141.3	139.7	139.0	137.4	136.7	135.8
7.5°	161.8	158.6	157.8	155.4	153.1	151.5	150.0	147.6	146.0	142.9	142.1
10°	180.6	176.7	173.5	170.3	168.0	164.1	161.8	158.6	155.4	153.1	150.7
12.5°	204.9	199.4	194.7	191.5	186.0	181.4	176.7	174.3	168.0	164.8	160.9
15°	231.6	225.3	219.8	213.6	209.6	201.8	195.5	188.5	185.3	179.8	173.5
17.5°	266.1	255.9	247.4	241.0	233.2	225.3	218.2	211.2	201.8	195.5	187.6
20°	303.1	294.4	282.6	271.6	262.2	252.8	242.6	233.2	224.6	214.3	204.9
22.5°	350.1	337.6	323.4	312.5	299.9	289.7	275.5	263.0	248.8	235.5	224.6
25°	409.9	393.3	380.0	364.3	349.4	333.7	316.4	300.7	282.6	270.0	251.3
27.5°	483.6	467.9	449.9	429.5	414.5	391.0	368.2	348.6	327.4	307.7	286.6
30°	577.9	555.1	536.2	516.6	486.8	464.0	437.3	410.6	381.6	362.0	329.8
32.5°	690.9	666.5	638.3	610.1	582.5	550.3	517.4	484.4	452.2	416.1	383.2
35°	829.1	800.0	767.8	737.2	694.8	660.3	618.7	573.1	537.0	495.4	453.8
37.5°	1012.0	964.1	935.8	903.6	846.3	799.3	752.9	707.4	643.8	599.8	540.9
40°	1241.2	1213.0	1166.7	1114.9	1063.1	1001.0	938.2	877.8	803.9	742.7	674.4
42.5°	1510.5	1468.9	1421.9	1347.3	1294.6	1221.6	1150.1	1070.1	979.8	901.3	821.2
45°	1763.4	1713.9	1677.8	1603.2	1548.3	1461.9	1375.5	1290.7	1186.3	1085.0	992.4
47.5°	2036.6	1995.7	1936.1	1875.6	1819.9	1722.5	1629.1	1526.2	1416.4	1296.2	1176.1
50°	2276.9	2244.7	2203.8	2130.8	2068.8	1987.1	1877.2	1764.9	1626.0	1506.6	1370.1
52.5°	2480.9	2455.8	2398.5	2346.7	2291.0	2214.1	2115.9	2008.3	1858.3	1727.3	1571.8
55°	2722.0	2703.9	2653.7	2621.5	2572.0	2498.2	2406.3	2306.6	2148.1	2005.2	1829.3
57.5°	3116.9	3102.8	3058.8	3045.4	2996.8	2932.4	2819.4	2712.6	2527.3	2349.9	2148.9
60°	3770.9	3742.6	3678.3	3645.2	3542.4	3456.0	3309.2	3162.4	2938.7	2712.6	2470.7
62.5°	4471.2	4391.9	4269.4	4164.2	4018.2	3868.2	3671.9	3447.5	3185.2	2916.7	2638.8
65°	4848.9	4713.8	4559.2	4391.9	4202.7	3982.1	3734.8	3465.5	3183.6	2900.2	2606.5
66°	4892.0	4739.7	4575.7	4389.6	4179.2	3944.4	3693.1	3410.5	3117.7	2841.3	2547.7
67.5°	4837.9	4678.4	4505.0	4298.5	4070.8	3827.5	3563.6	3270.0	2988.1	2707.8	2422.1
70°	4458.6	4300.0	4145.4	3927.9	3685.3	3440.4	3190.7	2862.5	2595.6	2338.1	2083.7
72.5°	3560.5	3453.0	3299.8	3113.8	2877.4	2590.1	2382.1	2088.4	1856.8	1607.1	1410.1
75°	2225.0	2073.5	1884.3	1647.2	1466.6	1233.4	1111.7	888.7	756.8	641.4	530.0
77.5°	1137.6	1023.8	891.1	757.7	629.7	502.5	388.7	274.8	185.3	128.7	95.8
80°	939.8	839.3	729.4	607.6	494.6	383.9	276.4	188.5	120.1	78.5	61.2
82.5°	776.5	691.7	593.6	480.5	382.3	301.5	209.6	136.7	84.8	55.0	43.2
85°	330.5	299.9	231.6	183.7	138.1	102.0	71.4	47.9	33.8	27.4	25.1
87.5°	14.1	15.7	14.9	11.8	8.7	8.7	7.8	6.3	6.3	6.3	6.3
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):

	80°	81°	82°	83°	84°	85°	95°	105°	115°	125°	135°
0°	123.3	123.3	123.3	123.3	123.3	123.3	123.3	123.3	123.3	123.3	123.3
2.5°	128.7	128.0	127.2	127.2	126.4	125.6	120.9	117.0	112.3	109.1	106.0
5°	134.2	133.5	131.9	131.1	129.6	128.7	118.5	110.0	102.9	97.4	93.4
7.5°	139.7	139.0	136.7	134.2	133.5	131.9	115.4	104.5	95.0	88.7	84.8
10°	146.8	144.5	142.1	139.0	136.7	134.2	112.3	98.1	87.9	82.4	78.5
12.5°	157.0	153.1	149.2	145.2	142.1	138.1	110.7	92.7	82.4	76.2	72.2
15°	168.8	163.3	158.6	153.9	148.4	144.5	107.5	87.9	77.8	71.4	66.7
17.5°	179.8	173.5	166.4	159.3	153.9	148.4	104.5	83.3	73.0	66.7	62.0
20°	195.5	186.0	177.4	168.8	160.9	153.9	99.7	78.5	69.1	62.0	57.3
22.5°	212.7	201.8	190.8	179.0	168.8	159.3	95.8	74.6	65.2	58.1	52.6
25°	234.8	221.4	206.5	191.5	179.8	167.3	91.8	70.7	61.2	54.1	48.7
27.5°	265.4	246.5	230.0	211.2	193.1	179.0	88.7	67.5	57.3	50.2	44.7
30°	307.0	279.5	253.6	233.2	212.0	191.5	85.6	63.6	54.1	46.3	40.0
32.5°	353.3	321.1	291.3	260.7	234.0	210.4	82.4	60.5	50.2	42.4	36.9
35°	410.6	369.8	329.8	294.4	262.2	230.8	79.3	57.3	47.1	38.5	32.9
37.5°	493.0	442.0	389.4	343.9	302.2	260.7	76.9	54.1	43.2	34.5	29.0
40°	606.1	540.2	475.8	413.8	359.5	307.7	73.8	51.1	40.0	31.4	26.0
42.5°	728.6	648.5	563.7	493.9	419.3	354.0	70.7	47.9	36.9	28.3	22.8
45°	880.9	781.2	678.3	583.4	492.3	408.3	67.5	44.7	32.9	25.1	19.6
47.5°	1047.4	920.2	803.9	684.7	576.3	475.8	63.6	42.4	29.9	22.0	17.3
50°	1218.5	1084.3	937.4	801.6	672.8	543.3	59.6	38.5	26.7	19.6	14.1
52.5°	1403.0	1244.4	1094.4	925.7	775.7	632.0	55.7	35.3	24.4	17.3	11.8
55°	1637.8	1460.3	1284.5	1095.3	914.6	734.9	51.8	31.4	21.2	14.9	9.4
57.5°	1932.9	1722.5	1506.6	1293.1	1074.1	869.9	48.7	27.4	18.0	12.6	7.8
60°	2211.6	1966.0	1704.5	1458.7	1211.4	973.5	44.0	24.4	15.7	10.2	7.8
62.5°	2356.1	2075.8	1794.0	1523.1	1259.4	1010.4	39.3	20.4	13.3	8.7	7.1
65°	2320.8	2035.0	1761.8	1488.6	1230.2	986.9	34.5	18.0	11.8	7.8	7.1
66°	2269.8	1987.1	1712.3	1452.5	1206.0	961.8	32.2	17.3	11.0	7.8	6.3
67.5°	2158.2	1885.0	1622.8	1381.0	1139.2	913.9	29.0	15.7	10.2	7.1	6.3
70°	1843.5	1595.4	1385.7	1170.6	973.5	770.2	23.5	13.3	8.7	6.3	6.3
72.5°	1220.1	1051.3	911.5	784.3	655.5	508.7	19.6	11.0	7.1	6.3	5.5
75°	460.1	416.1	357.2	321.1	280.3	245.8	15.7	7.1	5.5	5.5	5.5
77.5°	81.7	75.3	66.7	61.2	56.6	51.8	12.6	4.7	4.7	5.5	5.5
80°	55.0	51.1	46.3	42.4	39.3	35.3	8.7	3.9	4.7	4.7	5.5
82.5°	39.3	36.9	34.5	31.4	29.0	26.0	5.5	3.9	4.7	4.7	4.7
85°	23.5	22.0	20.4	18.9	16.5	15.7	3.9	3.9	3.9	4.7	4.7
87.5°	6.3	5.5	6.3	6.3	4.7	5.5	3.2	3.2	3.2	3.9	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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CATALOG NUMBER: ICM-E03-LED-E1-SL3-HSS-8030

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	123.3	123.3	123.3	123.3	123.3
2.5°	104.5	104.5	102.9	105.2	105.2
5°	90.3	90.3	89.5	90.3	90.3
7.5°	82.4	81.7	81.7	81.7	82.4
10°	75.3	74.6	74.6	74.6	74.6
12.5°	69.1	68.3	67.5	68.3	68.3
15°	63.6	62.0	62.0	62.0	62.0
17.5°	58.9	57.3	56.6	56.6	56.6
20°	54.1	51.8	51.8	51.8	51.8
22.5°	49.5	47.1	47.1	47.1	47.1
25°	44.7	42.4	42.4	42.4	42.4
27.5°	40.8	38.5	38.5	38.5	38.5
30°	36.1	34.5	34.5	35.3	34.5
32.5°	32.9	30.6	30.6	31.4	31.4
35°	29.0	27.4	27.4	27.4	27.4
37.5°	25.1	23.5	23.5	23.5	23.5
40°	22.0	20.4	19.6	20.4	20.4
42.5°	18.9	17.3	16.5	16.5	16.5
45°	16.5	14.1	13.3	14.1	14.1
47.5°	13.3	11.8	11.8	12.6	12.6
50°	10.2	10.2	11.0	12.6	12.6
52.5°	9.4	9.4	11.0	12.6	12.6
55°	8.7	9.4	11.0	11.8	12.6
57.5°	7.8	9.4	11.0	11.8	11.8
60°	7.8	8.7	10.2	11.8	11.8
62.5°	7.1	7.8	9.4	11.0	11.0
65°	7.1	7.8	9.4	11.0	11.0
66°	7.1	7.8	9.4	11.0	11.0
67.5°	7.1	7.8	9.4	11.0	11.0
70°	7.1	7.8	9.4	10.2	10.2
72.5°	6.3	7.1	8.7	10.2	10.2
75°	6.3	7.1	8.7	10.2	10.2
77.5°	6.3	7.1	8.7	10.2	10.2
80°	6.3	7.1	8.7	9.4	10.2
82.5°	5.5	7.1	7.8	9.4	9.4
85°	5.5	6.3	7.8	8.7	9.4
87.5°	4.7	5.5	6.3	7.8	7.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)