

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: P181177

Luminaire Tested: **ICM-E04-LED-E1-T2-HSS-7030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P181177  
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-E04-LED-E1-T2-HSS-7030  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ HOUSE SIDE SHIELD  
Light Source: (84) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5442.1 lumens  
Efficiency: N/A  
Efficacy: 56.0 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.67' x L: 1' x H: 0.1')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G2

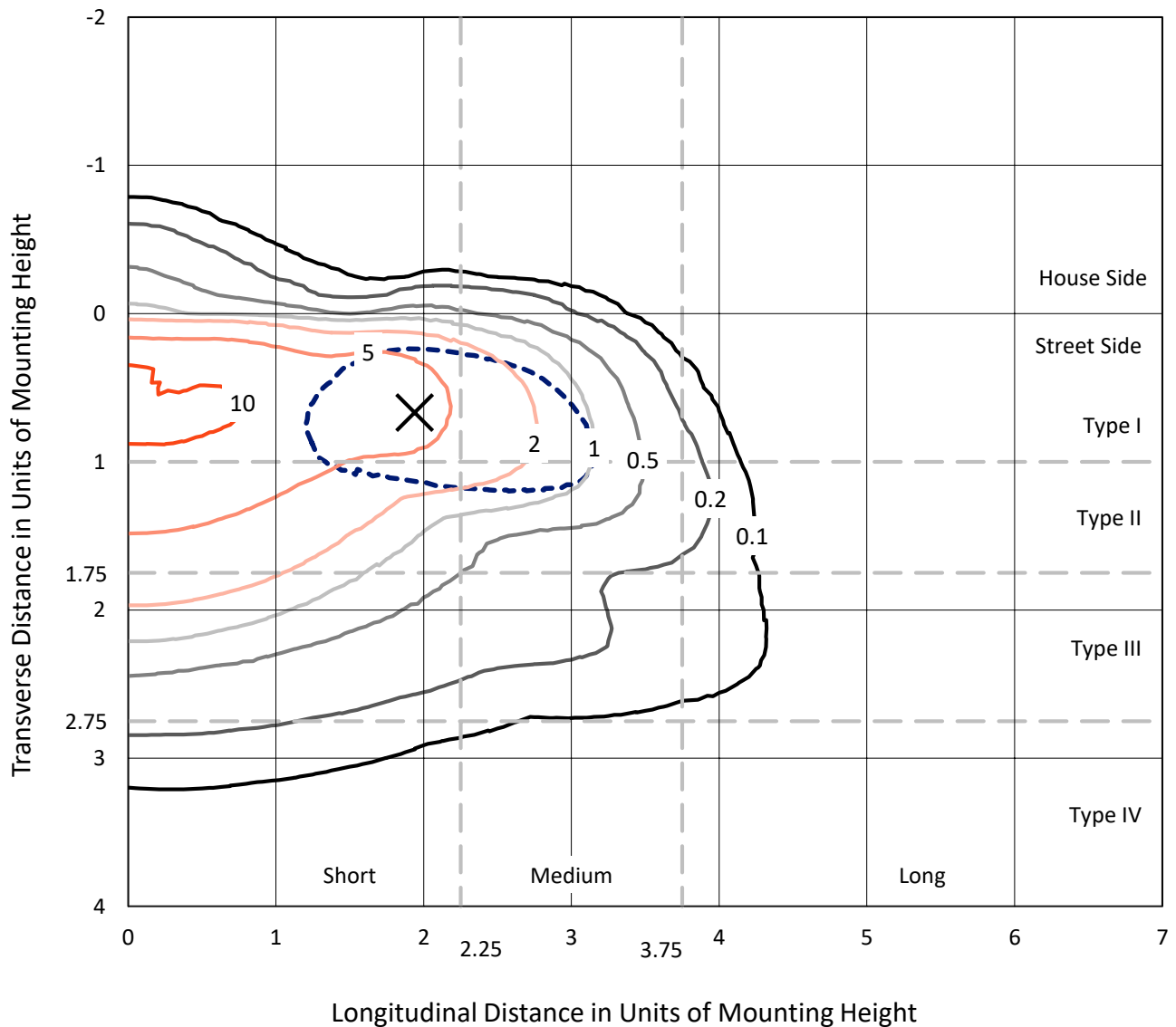
Input Watts (W): 97.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

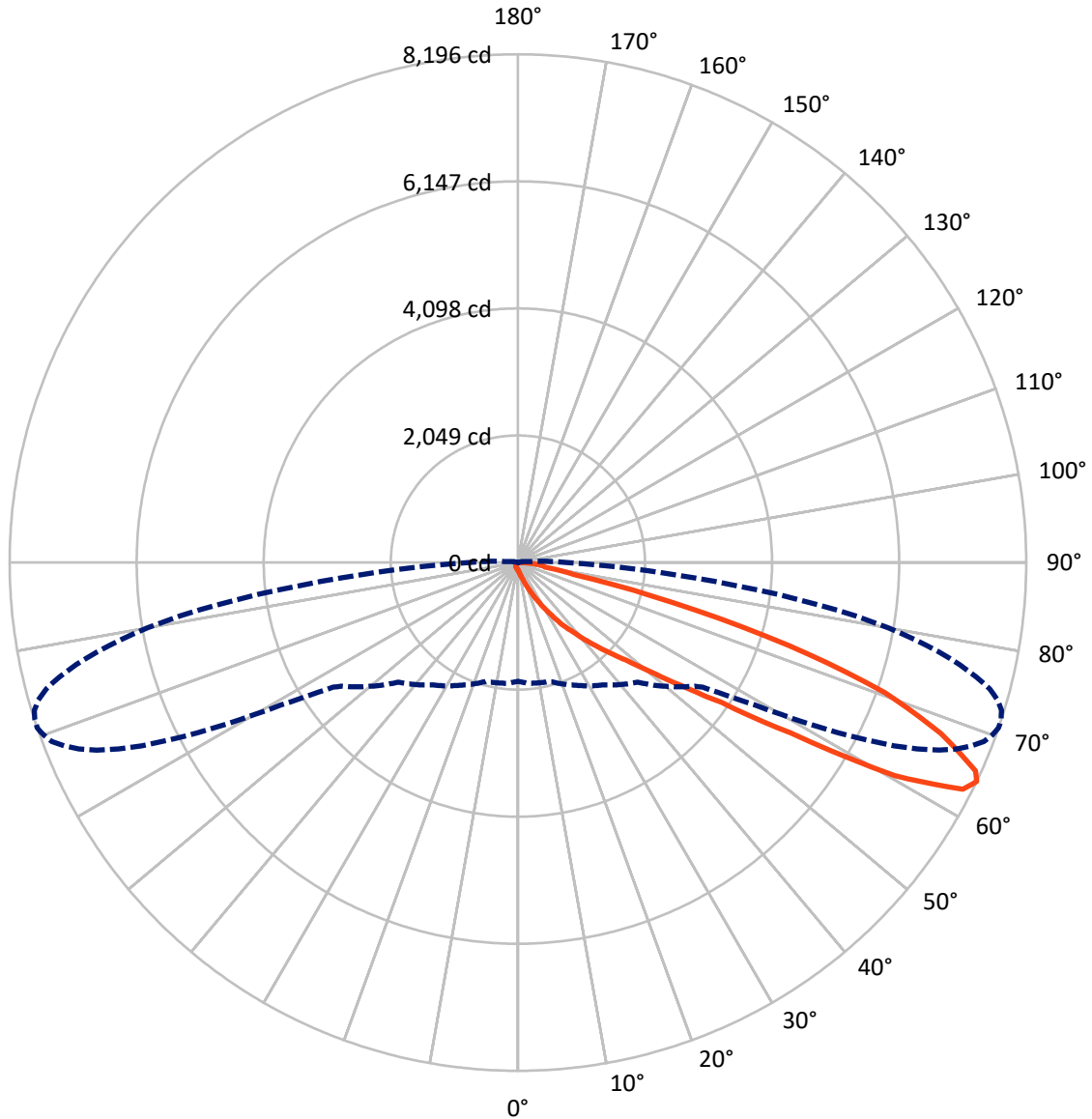
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.6 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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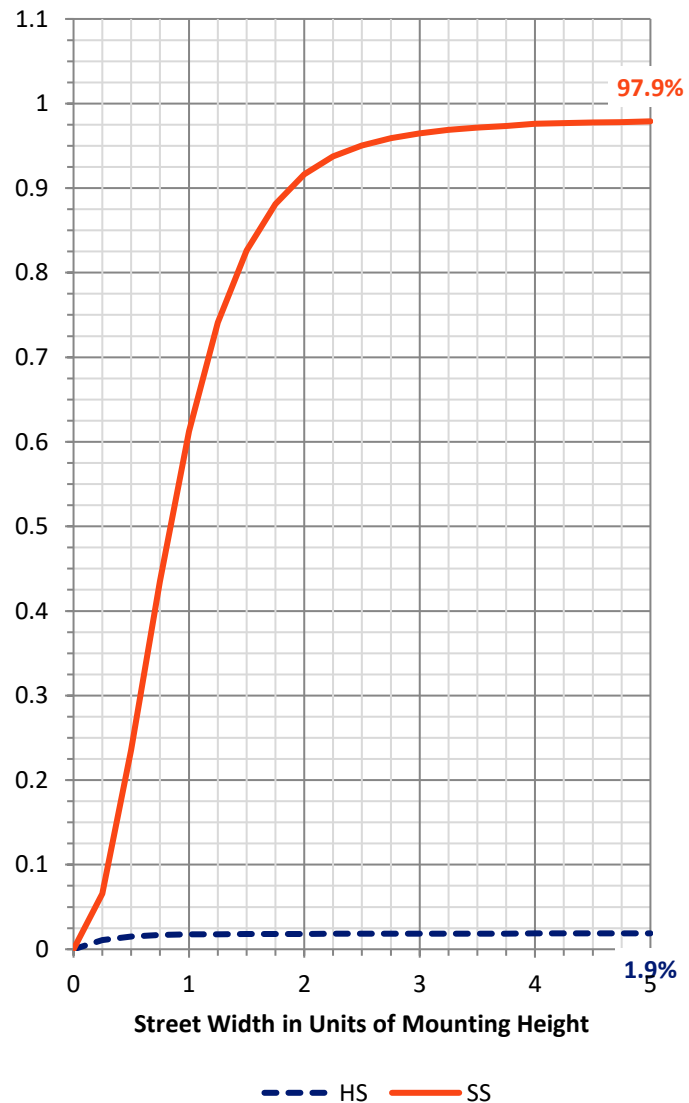
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	104.3	0.0	104.3
	% Fixture	1.9	0.0	1.9
<b>Street Side</b>	Lumens	5337.9	0.0	5337.9
	% Fixture	98.1	0.0	98.1
<b>Total</b>	Lumens	5442.1	0.0	5442.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.7	0.3
10°-20°	98.4	1.8
20°-30°	251.3	4.6
30°-40°	508.3	9.3
40°-50°	929.2	17.1
50°-60°	1447.7	26.6
60°-70°	1609.2	29.6
70°-80°	524.8	9.6
80°-90°	56.5	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°	5442.1	100.0
0°-180°	5442.1	100.0

**Coefficient of Utilization**



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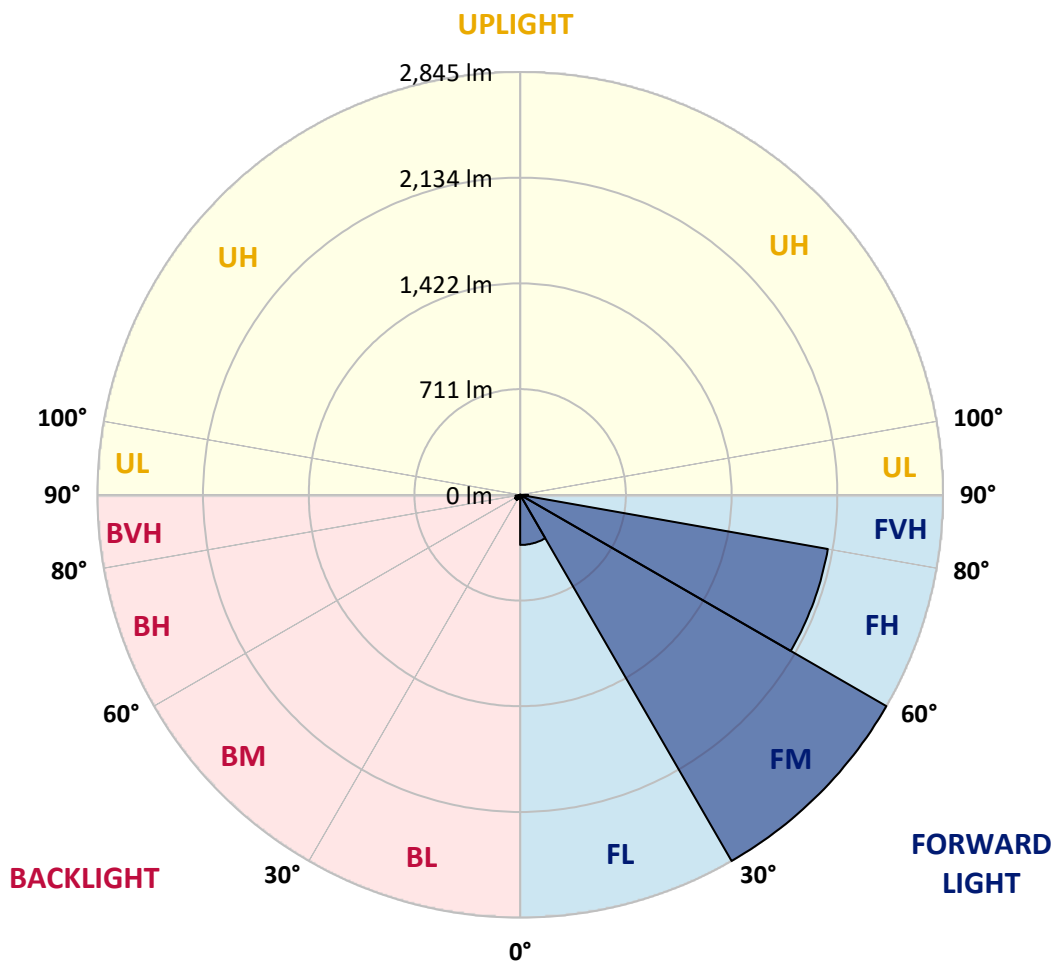
CATALOG NUMBER: ICM-E04-LED-E1-T2-HSS-7030

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	337.4	6.2			
FM	(30°-60°)	2845.0	52.3			
FH	(60°-80°)	2101.8	38.6			G2/5000
FVH	(80°-90°)	53.7	1.0			G1/100
BL	(0°-30°)	29.0	0.5	B0/110		
BM	(30°-60°)	40.3	0.7	B0/220		
BH	(60°-80°)	32.2	0.6	B0/110		G0/110
BVH	(80°-90°)	2.8	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-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2
2.5°	163.2	160.8	160.8	157.5	152.9	148.4	143.9	142.7	141.6	140.5	140.5
5°	256.0	247.0	243.5	231.1	215.3	196.0	179.0	174.4	174.4	171.1	168.8
7.5°	402.1	397.6	373.9	361.4	324.0	277.6	228.8	224.3	223.2	218.6	211.8
10°	589.1	580.0	563.0	526.8	458.8	378.3	309.3	298.0	290.0	280.9	271.9
12.5°	776.0	764.7	739.7	680.8	612.8	509.8	398.8	388.6	376.1	363.6	348.9
15°	962.9	955.0	916.5	857.6	769.2	645.7	505.2	487.2	476.9	452.0	440.7
17.5°	1124.9	1114.7	1084.1	1017.3	925.5	789.6	623.1	600.4	583.4	568.7	541.5
20°	1265.4	1255.2	1225.8	1170.2	1067.2	933.5	750.0	738.6	708.0	685.4	669.5
22.5°	1351.5	1348.1	1328.8	1275.5	1183.8	1064.8	895.0	876.8	856.5	825.9	807.7
25°	1404.8	1401.3	1390.0	1352.7	1290.3	1203.1	1054.7	1032.0	1013.9	986.7	964.0
27.5°	1460.2	1458.0	1448.9	1416.1	1383.2	1328.8	1216.7	1204.2	1164.6	1148.7	1127.2
30°	1552.0	1541.8	1549.8	1533.9	1491.9	1458.0	1379.8	1361.7	1344.7	1317.5	1298.2
32.5°	1698.1	1681.1	1698.1	1681.1	1663.0	1622.2	1547.5	1541.8	1524.8	1507.8	1480.7
35°	1877.1	1870.3	1883.9	1898.6	1883.9	1829.5	1738.9	1722.0	1715.1	1687.9	1677.8
37.5°	2057.2	2069.7	2094.6	2127.5	2118.4	2078.8	1950.8	1934.9	1922.4	1898.6	1880.5
40°	2251.0	2252.1	2305.3	2352.9	2376.7	2352.9	2184.1	2171.6	2154.7	2120.7	2116.2
42.5°	2461.7	2452.6	2492.3	2545.5	2594.2	2627.1	2492.3	2468.5	2444.7	2406.2	2380.1
45°	2648.6	2648.6	2680.3	2730.2	2804.9	2887.6	2817.4	2792.5	2769.8	2738.1	2708.7
47.5°	2786.8	2787.9	2807.2	2879.6	2996.4	3119.8	3122.2	3126.6	3109.7	3072.3	3073.4
50°	2884.2	2871.7	2897.8	2968.0	3102.9	3296.6	3435.9	3443.8	3457.4	3426.8	3435.9
52.5°	2955.6	2950.0	2966.9	3025.8	3160.7	3397.4	3693.0	3727.1	3747.5	3752.0	3789.3
55°	2918.3	2921.6	2962.3	3047.4	3192.4	3464.2	3911.7	3967.2	4014.8	4055.6	4102.1
57.5°	2794.7	2804.9	2876.3	3008.9	3199.2	3518.6	4143.9	4228.9	4318.4	4427.2	4518.9
60°	2597.6	2621.4	2717.7	2903.5	3133.4	3447.3	4213.0	4343.3	4480.4	4645.8	4830.4
62.5°	2308.8	2313.2	2376.7	2556.9	2810.6	3067.7	3895.8	4062.4	4243.7	4482.6	4741.0
64°	1913.4	1954.2	1983.6	2181.9	2408.4	2729.0	3476.7	3592.2	3844.9	4138.3	4463.4
65°	1579.2	1627.9	1651.7	1850.0	2109.3	2415.3	3111.9	3235.4	3501.6	3799.6	4205.1
67.5°	931.2	898.3	967.4	1084.1	1301.7	1664.1	2099.2	2193.2	2391.5	2746.0	3070.0
70°	600.4	600.4	663.8	782.8	984.5	1262.0	1442.1	1402.4	1444.4	1581.4	1810.2
72.5°	385.2	405.6	444.1	544.9	731.8	1058.1	1473.9	1286.9	1189.5	1144.2	1141.9
75°	175.6	186.9	228.8	288.8	390.8	689.9	1486.3	1404.8	1315.3	1229.1	1162.3
77.5°	37.4	43.1	72.5	149.5	190.3	318.3	1054.7	1177.0	1274.4	1302.8	1302.8
80°	19.3	20.4	30.6	70.2	81.6	107.6	406.7	534.7	659.4	823.5	995.7
82.5°	7.9	9.0	18.1	31.7	34.0	32.8	107.6	135.9	186.9	271.9	405.6
85°	2.2	2.2	7.9	12.5	18.1	14.7	23.8	27.2	35.2	51.0	97.4
87.5°	0.0	0.0	1.1	2.2	3.4	5.7	6.8	6.8	6.8	6.8	6.8
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):**

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2
2.5°	139.3	139.3	138.2	137.1	137.1	134.8	134.8	133.7	133.7	132.6	132.6
5°	167.6	165.4	163.2	159.7	158.6	156.4	154.0	151.8	149.5	148.4	146.1
7.5°	208.5	206.1	199.4	194.9	189.2	185.8	181.2	177.9	174.4	172.2	167.6
10°	262.8	254.9	251.5	235.6	232.2	224.3	217.5	212.9	203.9	198.2	192.6
12.5°	339.8	325.1	319.4	292.3	284.4	273.0	265.1	253.8	243.5	236.7	226.6
15°	427.1	415.7	394.2	367.1	352.3	339.8	320.6	311.5	298.0	283.3	268.5
17.5°	531.3	510.9	487.2	452.0	433.9	414.6	396.5	377.2	354.6	341.0	325.1
20°	652.6	631.0	601.6	557.4	535.8	516.6	484.8	471.3	444.1	416.9	396.5
22.5°	785.0	763.5	735.3	685.4	657.0	625.3	599.3	575.4	543.7	516.6	492.7
25°	934.6	909.7	888.2	830.3	795.3	762.4	734.1	692.2	664.9	633.3	600.4
27.5°	1104.6	1075.1	1046.7	983.4	950.4	914.2	880.2	836.0	810.0	757.9	727.3
30°	1279.0	1242.7	1213.3	1148.7	1119.3	1081.9	1035.4	995.7	951.6	916.5	866.6
32.5°	1462.5	1433.0	1409.2	1341.3	1303.9	1257.5	1215.5	1173.6	1135.1	1078.4	1033.1
35°	1658.5	1632.5	1606.3	1547.5	1514.6	1479.5	1431.9	1380.9	1327.7	1268.8	1228.0
37.5°	1864.7	1844.3	1823.9	1752.5	1714.0	1676.6	1622.2	1571.3	1523.6	1461.4	1392.3
40°	2081.0	2061.8	2028.9	1970.1	1929.2	1895.3	1845.4	1797.8	1733.2	1664.1	1603.0
42.5°	2352.9	2311.0	2282.7	2218.2	2175.1	2137.7	2093.5	2022.2	1967.7	1885.0	1826.2
45°	2671.3	2631.6	2585.1	2519.5	2466.2	2405.0	2342.7	2294.0	2226.1	2151.3	2075.4
47.5°	3029.2	2997.5	2943.1	2878.5	2825.3	2764.1	2690.5	2628.2	2545.5	2458.2	2355.2
50°	3423.5	3390.6	3354.3	3281.9	3228.6	3170.8	3113.0	3039.5	2964.7	2860.4	2754.0
52.5°	3789.3	3796.1	3774.6	3740.7	3714.6	3654.5	3601.3	3531.1	3465.4	3370.3	3287.6
55°	4150.7	4209.6	4232.3	4265.1	4276.5	4227.7	4226.6	4123.6	4083.9	4028.4	3980.9
57.5°	4627.7	4758.0	4861.1	5060.4	5144.2	5229.2	5245.1	5172.6	5247.4	5151.0	5183.9
60°	5033.2	5272.2	5528.3	6043.8	6302.0	6496.9	6653.2	6768.8	6843.5	6970.4	6977.2
62.5°	5069.5	5445.6	5835.3	6587.5	6941.0	7236.6	7518.7	7715.8	7872.1	8016.0	8051.1
64°	4896.1	5361.7	5835.3	6745.0	7106.4	7434.8	7692.0	7888.0	8047.8	8137.3	8196.1
65°	4581.2	5102.4	5647.2	6640.7	7013.4	7362.4	7608.1	7805.3	7956.0	8045.4	8106.7
67.5°	3394.0	3898.2	4445.2	5601.9	6188.7	6508.2	6823.1	7099.6	7220.8	7334.0	7355.6
70°	2068.6	2434.5	2811.7	3884.5	4429.4	5003.8	5358.4	5762.8	6046.0	6220.4	6278.3
72.5°	1248.4	1375.3	1600.8	2177.3	2699.6	3102.9	3593.4	3979.7	4296.9	4472.5	4560.9
75°	1111.4	1095.4	1124.9	1365.0	1550.9	1793.3	1971.2	2213.6	2409.6	2470.7	2585.1
77.5°	1284.7	1239.4	1192.8	1147.5	1138.5	1115.8	1079.6	1088.7	1002.6	919.9	922.1
80°	1144.2	1252.9	1317.5	1270.0	1162.3	1053.6	919.9	753.3	589.1	487.2	444.1
82.5°	574.3	816.7	1050.1	1281.2	1265.4	1169.1	1021.9	839.4	650.2	499.5	398.8
85°	176.7	313.8	441.8	614.0	712.6	699.0	614.0	597.0	426.0	331.9	256.0
87.5°	7.9	7.9	7.9	6.8	7.9	7.9	7.9	9.0	9.0	10.2	10.2
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):**

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2
2.5°	132.6	131.4	130.2	129.1	129.1	129.1	128.0	128.0	126.9	126.9	125.8
5°	146.1	143.9	142.7	140.5	140.5	138.2	137.1	135.9	133.7	132.6	131.4
7.5°	164.3	162.0	158.6	155.2	154.0	150.7	147.3	145.0	142.7	140.5	138.2
10°	188.1	183.5	176.7	172.2	168.8	164.3	159.7	156.4	151.8	147.3	145.0
12.5°	218.6	209.6	202.8	194.9	188.1	181.2	173.3	168.8	164.3	157.5	152.9
15°	253.8	244.7	236.7	223.2	211.8	202.8	196.0	185.8	177.9	168.8	162.0
17.5°	313.8	290.0	274.1	260.6	249.2	232.2	218.6	207.4	197.1	185.8	177.9
20°	372.7	352.3	330.8	314.9	290.0	275.3	257.1	241.3	223.2	209.6	196.0
22.5°	458.8	432.7	405.6	381.8	347.8	327.4	303.6	283.3	260.6	237.9	223.2
25°	567.5	529.0	492.7	458.8	427.1	396.5	365.9	333.0	309.3	282.0	257.1
27.5°	682.0	638.9	603.8	559.6	518.9	481.5	443.0	407.8	367.1	331.9	302.5
30°	825.9	767.0	726.1	672.9	632.1	580.0	532.5	486.0	436.2	395.4	353.5
32.5°	972.0	932.3	863.3	818.0	756.7	694.4	644.6	591.4	530.1	476.9	426.0
35°	1164.6	1096.6	1038.8	975.4	908.6	844.0	779.4	703.5	641.2	575.4	513.2
37.5°	1334.5	1265.4	1198.5	1115.8	1039.9	972.0	893.8	814.5	740.8	662.7	587.9
40°	1531.6	1445.5	1366.2	1289.2	1195.2	1114.7	1033.1	934.6	849.7	763.5	675.2
42.5°	1746.8	1659.6	1565.6	1477.2	1374.1	1275.5	1174.8	1076.2	981.0	876.8	773.8
45°	1982.5	1890.7	1785.4	1684.6	1572.4	1463.6	1343.5	1230.2	1118.1	1001.4	882.5
47.5°	2274.7	2156.9	2059.5	1933.8	1794.4	1680.0	1532.8	1403.6	1275.5	1139.6	1006.0
50°	2653.1	2519.5	2379.0	2239.6	2085.6	1940.6	1777.4	1624.5	1453.4	1301.7	1148.7
52.5°	3155.0	3055.3	2892.1	2732.4	2544.4	2359.7	2135.5	1937.1	1717.4	1523.6	1336.8
55°	3867.6	3801.8	3660.2	3485.8	3321.5	3051.9	2793.6	2485.5	2200.0	1921.3	1658.5
57.5°	5157.8	5086.4	4929.0	4887.1	4634.4	4436.2	4133.8	3735.0	3251.3	2825.3	2400.5
60°	7015.7	6876.3	6722.3	6694.0	6397.2	6188.7	5888.5	5463.8	5008.3	4328.6	3749.7
62.5°	8053.4	8011.5	7886.8	7733.9	7476.8	7167.5	6829.9	6418.7	5956.5	5360.6	4671.8
64°	8192.7	8154.2	8046.6	7874.4	7616.1	7309.1	6935.3	6525.2	6061.9	5518.1	4889.3
65°	8105.5	8051.1	7959.4	7800.8	7560.6	7266.1	6890.0	6474.2	6004.0	5480.7	4896.1
67.5°	7402.0	7377.1	7293.3	7146.0	6995.3	6730.3	6399.5	6027.9	5643.8	5125.0	4645.8
70°	6285.1	6266.9	6160.4	6101.5	5852.3	5684.6	5417.2	5125.0	4785.1	4423.7	4015.9
72.5°	4659.4	4598.3	4512.1	4422.6	4253.8	4023.8	3815.5	3503.9	3328.3	3023.6	2793.6
75°	2470.7	2432.2	2298.5	2111.6	1903.2	1795.5	1579.2	1385.5	1231.4	1162.3	995.7
77.5°	854.1	778.2	703.5	619.6	491.6	387.4	309.3	247.0	194.9	172.2	143.9
80°	426.0	404.5	380.7	333.0	279.8	225.4	176.7	139.3	114.4	97.4	87.3
82.5°	345.5	305.9	273.0	239.1	191.4	157.5	124.7	102.0	83.8	73.7	64.6
85°	203.9	156.4	119.0	107.6	83.8	72.5	62.3	53.2	45.3	43.1	39.6
87.5°	7.9	10.2	10.2	7.9	10.2	9.0	9.0	7.9	7.9	7.9	7.9
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):**

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2
2.5°	125.8	124.7	124.7	123.4	122.3	122.3	122.3	121.2	119.0	114.4	111.0
5°	130.2	129.1	128.0	125.8	124.7	123.4	122.3	122.3	116.7	108.7	103.1
7.5°	135.9	133.7	131.4	129.1	128.0	125.8	123.4	122.3	114.4	104.2	98.5
10°	141.6	138.2	134.8	133.7	130.2	128.0	124.7	122.3	113.3	100.8	92.9
12.5°	148.4	143.9	139.3	135.9	131.4	129.1	125.8	122.3	111.0	97.4	88.4
15°	156.4	149.5	143.9	140.5	135.9	130.2	125.8	122.3	108.7	94.0	83.8
17.5°	166.5	158.6	151.8	145.0	138.2	132.6	128.0	123.4	105.4	89.5	78.1
20°	182.4	172.2	160.8	152.9	143.9	137.1	129.1	123.4	103.1	84.9	73.7
22.5°	203.9	188.1	175.6	162.0	150.7	141.6	132.6	125.8	99.7	80.5	68.0
25°	234.5	214.1	193.7	176.7	162.0	149.5	138.2	129.1	97.4	77.0	64.6
27.5°	268.5	244.7	217.5	197.1	176.7	158.6	146.1	134.8	97.4	74.8	61.2
30°	316.1	282.0	249.2	223.2	196.0	175.6	157.5	142.7	97.4	73.7	57.8
32.5°	373.9	335.4	293.4	256.0	224.3	194.9	172.2	152.9	99.7	71.3	55.5
35°	454.2	397.6	347.8	301.3	259.4	225.4	196.0	170.0	103.1	70.2	52.1
37.5°	517.7	449.8	386.3	333.0	284.4	242.4	205.0	176.7	99.7	65.7	48.7
40°	593.6	516.6	439.5	372.7	317.2	262.8	219.8	185.8	97.4	60.0	44.2
42.5°	685.4	589.1	499.5	423.7	354.6	290.0	239.1	197.1	97.4	56.7	40.7
45°	771.4	666.1	566.4	471.3	390.8	319.4	257.1	209.6	96.3	53.2	36.3
47.5°	878.0	753.3	636.7	526.8	433.9	346.6	276.4	220.9	95.2	49.9	32.8
50°	1003.7	851.9	720.5	589.1	475.8	379.5	299.1	233.4	92.9	46.4	29.5
52.5°	1143.1	979.9	812.3	660.5	527.9	414.6	320.6	244.7	89.5	43.1	26.0
55°	1390.0	1165.7	967.4	779.4	607.2	466.7	352.3	261.7	86.1	39.6	22.7
57.5°	1982.5	1610.9	1330.0	1046.7	799.8	599.3	438.4	310.4	81.6	35.2	18.1
60°	3113.0	2500.2	2023.3	1587.1	1209.9	919.9	645.7	458.8	87.3	29.5	15.8
62.5°	3993.2	3288.7	2681.4	2134.2	1657.3	1259.7	940.3	685.4	125.8	26.0	12.5
64°	4223.3	3509.5	2861.6	2288.4	1792.2	1382.1	1049.0	774.9	162.0	26.0	11.3
65°	4257.2	3577.5	2926.2	2344.9	1838.6	1414.9	1080.8	804.3	176.7	27.2	10.2
67.5°	4116.8	3537.9	2945.4	2368.8	1873.7	1460.2	1123.8	850.8	199.4	26.0	7.9
70°	3595.6	3169.7	2682.6	2215.8	1767.3	1387.7	1080.8	824.7	208.5	24.9	6.8
72.5°	2446.9	2153.5	1865.8	1535.0	1230.2	1013.9	788.5	581.1	146.1	20.4	5.7
75°	815.6	795.3	711.4	539.3	453.1	368.2	294.5	226.6	55.5	12.5	5.7
77.5°	135.9	116.7	102.0	97.4	81.6	79.3	69.1	55.5	23.8	7.9	5.7
80°	79.3	72.5	63.4	56.7	49.9	44.2	37.4	31.7	14.7	5.7	6.8
82.5°	58.9	52.1	46.4	40.7	35.2	30.6	26.0	21.5	7.9	5.7	6.8
85°	34.0	29.5	26.0	22.7	18.1	15.8	13.6	11.3	5.7	5.7	5.7
87.5°	6.8	6.8	5.7	5.7	5.7	5.7	5.7	4.6	5.7	5.7	4.6
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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CATALOG NUMBER: ICM-E04-LED-E1-T2-HSS-7030

**CANDELA DISTRIBUTION (continued):**

	125°	135°	145°	155°	165°	175°	180°
0°	121.2	121.2	121.2	121.2	121.2	121.2	121.2
2.5°	108.7	105.4	104.2	104.2	104.2	104.2	104.2
5°	99.7	96.3	94.0	92.9	92.9	92.9	92.9
7.5°	92.9	88.4	86.1	83.8	83.8	82.7	82.7
10°	86.1	81.6	78.1	75.9	74.8	74.8	74.8
12.5°	80.5	75.9	71.3	69.1	69.1	68.0	68.0
15°	75.9	69.1	65.7	63.4	63.4	62.3	62.3
17.5°	70.2	64.6	61.2	58.9	57.8	57.8	57.8
20°	64.6	58.9	55.5	54.4	53.2	53.2	52.1
22.5°	60.0	54.4	51.0	49.9	48.7	48.7	47.5
25°	55.5	49.9	46.4	45.3	44.2	43.1	43.1
27.5°	52.1	46.4	43.1	40.7	39.6	38.5	38.5
30°	48.7	42.0	38.5	36.3	35.2	34.0	34.0
32.5°	45.3	38.5	34.0	31.7	30.6	29.5	29.5
35°	40.7	34.0	29.5	28.3	27.2	26.0	24.9
37.5°	37.4	29.5	26.0	23.8	22.7	21.5	21.5
40°	32.8	26.0	22.7	20.4	18.1	17.0	17.0
42.5°	29.5	22.7	19.3	15.8	14.7	13.6	13.6
45°	26.0	20.4	15.8	12.5	11.3	10.2	10.2
47.5°	22.7	17.0	12.5	10.2	9.0	7.9	7.9
50°	19.3	13.6	9.0	6.8	7.9	6.8	6.8
52.5°	17.0	10.2	6.8	6.8	6.8	6.8	6.8
55°	13.6	7.9	5.7	5.7	6.8	6.8	6.8
57.5°	11.3	5.7	4.6	5.7	5.7	5.7	5.7
60°	7.9	4.6	4.6	5.7	5.7	5.7	5.7
62.5°	6.8	4.6	4.6	4.6	5.7	5.7	5.7
64°	5.7	4.6	4.6	4.6	5.7	5.7	5.7
65°	5.7	4.6	4.6	4.6	5.7	5.7	5.7
67.5°	5.7	4.6	4.6	4.6	5.7	5.7	5.7
70°	4.6	4.6	4.6	4.6	5.7	5.7	5.7
72.5°	4.6	4.6	4.6	4.6	5.7	5.7	5.7
75°	4.6	4.6	4.6	4.6	5.7	5.7	5.7
77.5°	4.6	4.6	4.6	5.7	5.7	5.7	5.7
80°	4.6	4.6	4.6	5.7	5.7	5.7	5.7
82.5°	4.6	4.6	4.6	5.7	5.7	5.7	5.7
85°	4.6	4.6	4.6	5.7	5.7	5.7	5.7
87.5°	4.6	4.6	4.6	5.7	5.7	5.7	5.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)