

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: P180401

Luminaire Tested: **ICM-F05-LED-E1-SL2-HSS-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180401  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33726)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ICM-F05-LED-E1-SL2-HSS-8030  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD  
Light Source: (35) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

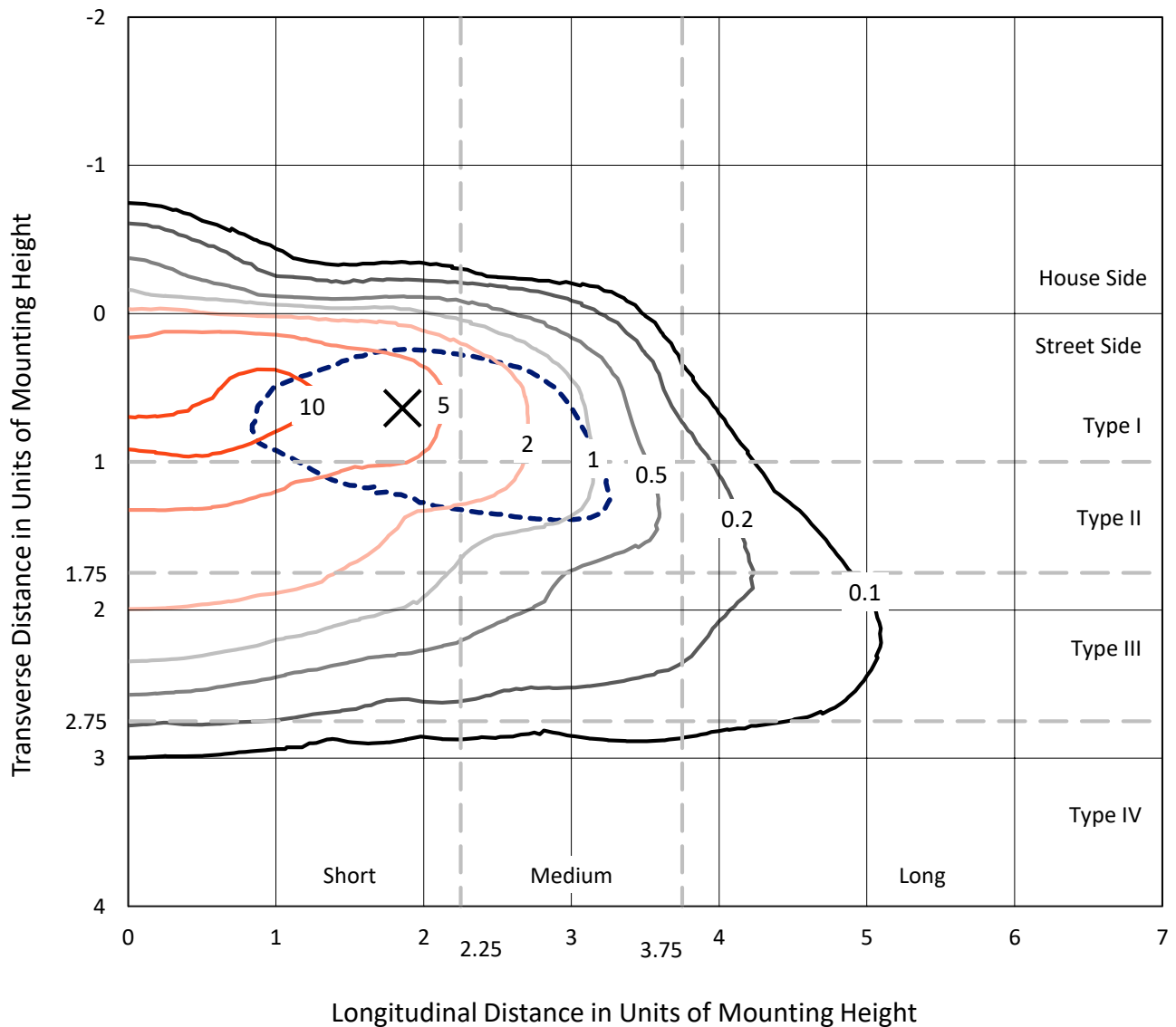
Lumens per Lamp: N/A  
Luminaire Lumens: 5942 lumens  
Efficiency: N/A  
Efficacy: 44.6 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 1' x H: 0.1')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G2  
  
Input Watts (W): 133.3  
Input Voltage (V): NR  
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

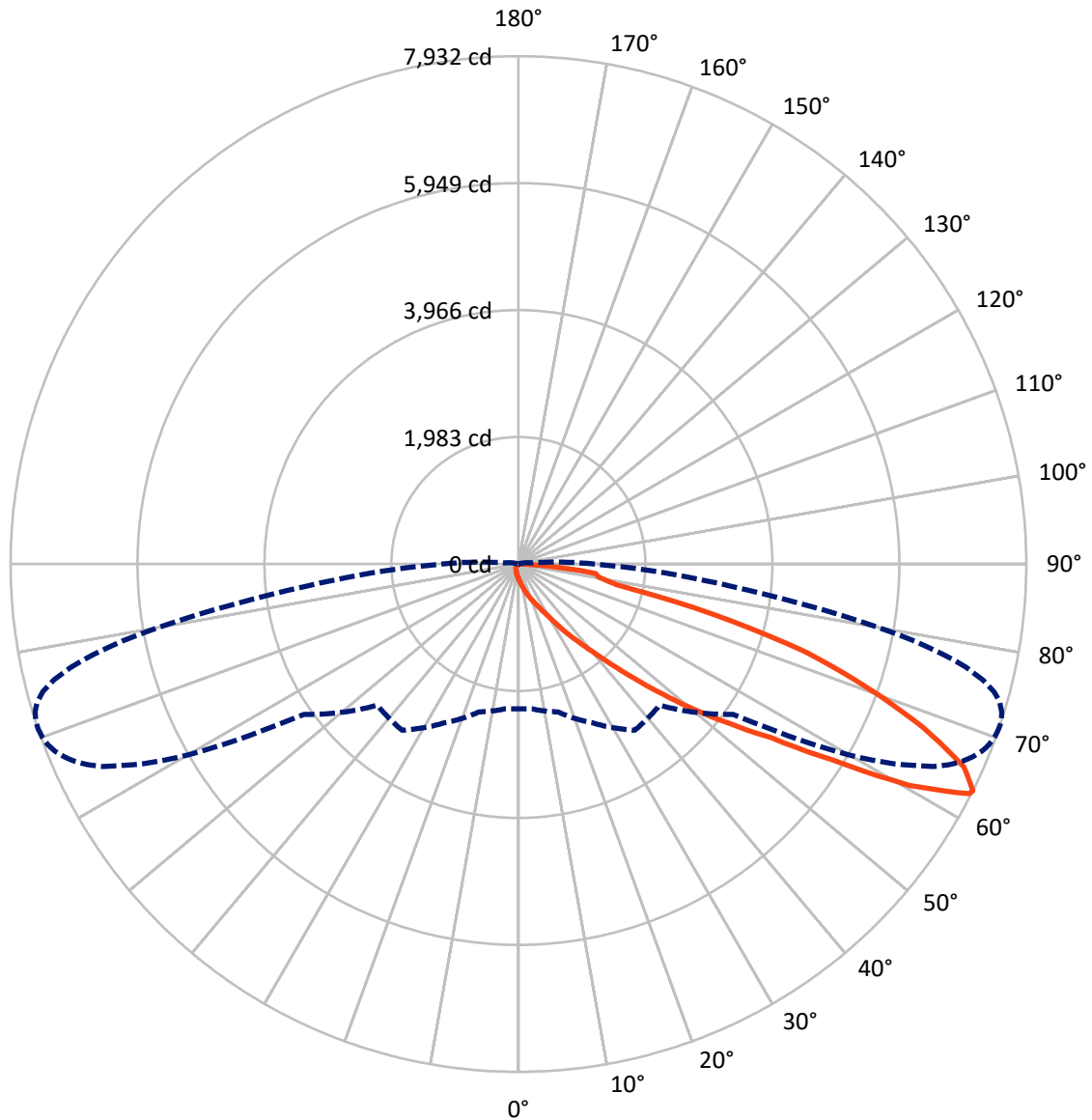
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.5 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral      - - - Horizontal Cone Through 63-Deg Vertical

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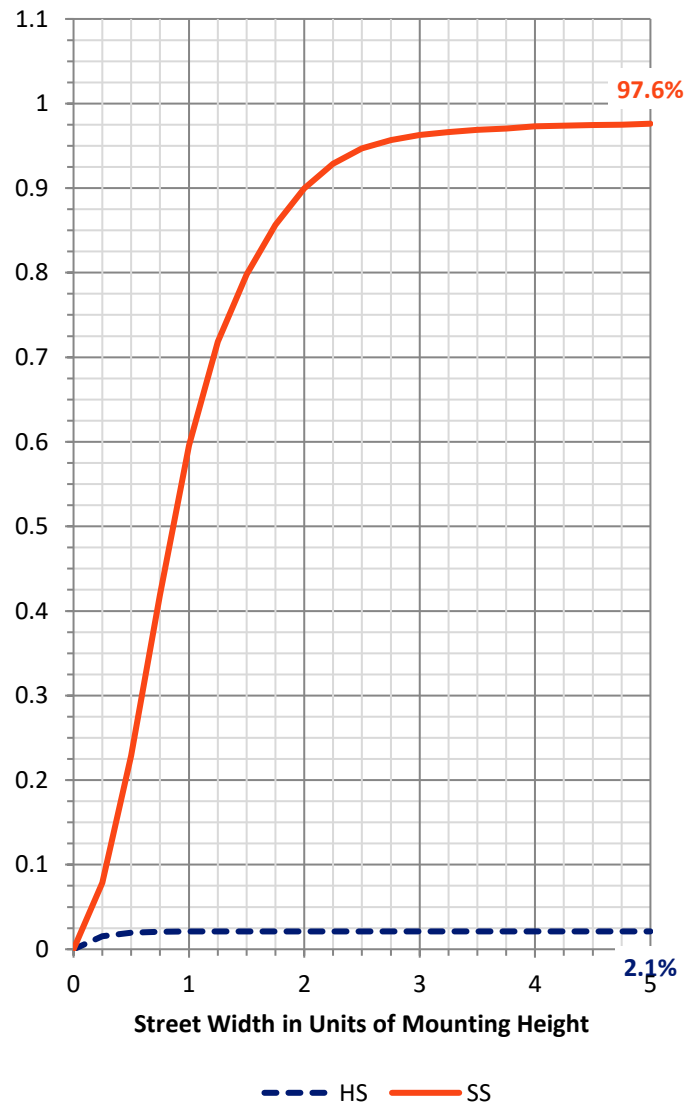
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	126.2	0.0	126.2
	% Fixture	2.1	0.0	2.1
<b>Street Side</b>	Lumens	5815.8	0.0	5815.8
	% Fixture	97.9	0.0	97.9
<b>Total</b>	Lumens	5942.0	0.0	5942.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	25.2	0.4
10°-20°	97.7	1.6
20°-30°	198.4	3.3
30°-40°	484.8	8.2
40°-50°	1084.3	18.2
50°-60°	1524.7	25.7
60°-70°	1792.9	30.2
70°-80°	647.4	10.9
80°-90°	86.6	1.5
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°	5942.0	100.0
0°-180°	5942.0	100.0



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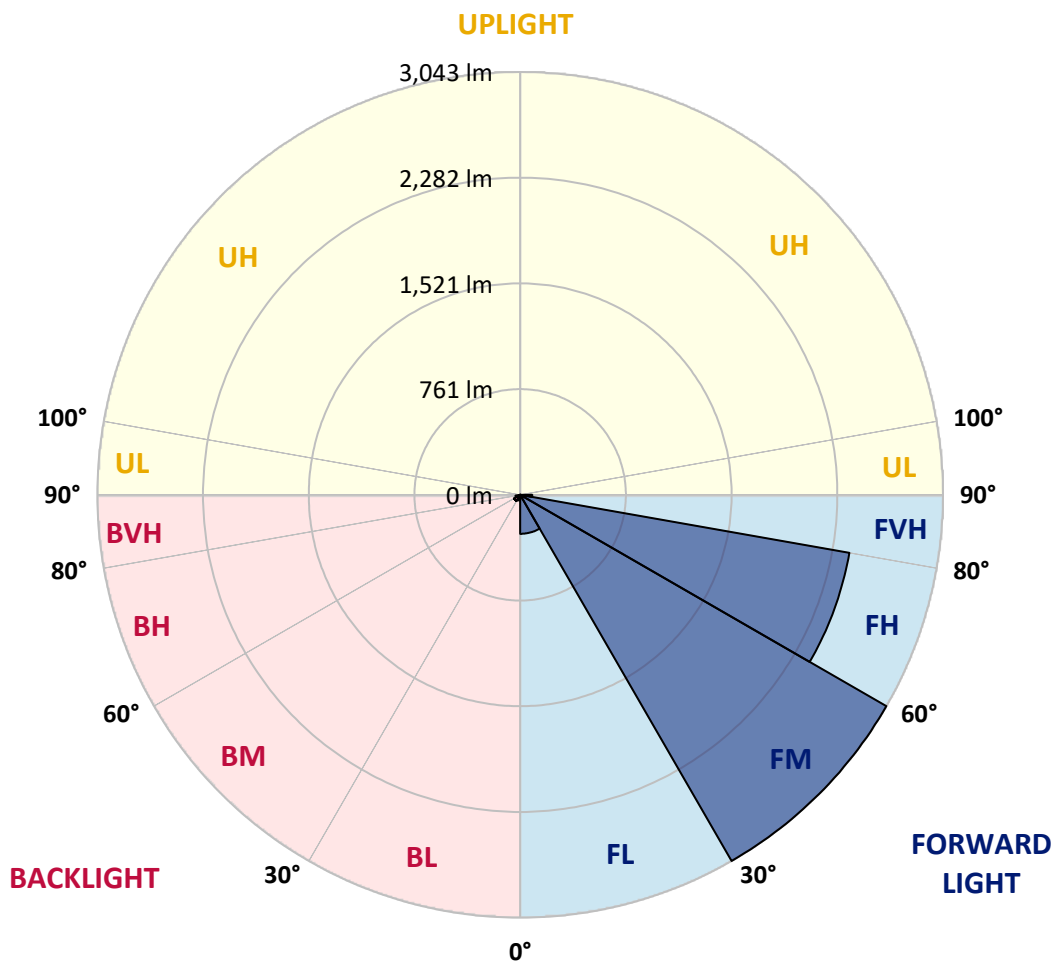
CATALOG NUMBER: ICM-F05-LED-E1-SL2-HSS-8030

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	280.8	4.7			
FM (30°-60°)	3043.0	51.2			
FH (60°-80°)	2405.7	40.5			G2/5000
FVH (80°-90°)	86.4	1.5			G1/100
BL (0°-30°)	40.6	0.7	B0/110		
BM (30°-60°)	50.8	0.9	B0/220		
BH (60°-80°)	34.6	0.6	B0/110		G0/110
BVH (80°-90°)	0.2	0.0			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°	227.9	227.9	227.9	227.9	227.9	227.9	227.9	227.9	227.9	227.9	227.9
2.5°	298.1	301.4	299.3	293.9	287.4	278.7	271.2	271.2	270.0	266.8	267.9
5°	391.1	392.1	387.8	374.8	363.0	344.6	324.1	321.9	319.7	316.5	315.4
7.5°	481.8	486.1	481.8	467.7	444.0	415.9	383.4	380.3	373.8	373.8	369.4
10°	574.7	574.7	570.3	554.1	532.6	492.6	451.5	446.1	438.6	436.4	430.0
12.5°	640.6	640.6	638.4	629.8	612.5	576.8	527.2	521.8	512.0	508.7	501.2
15°	666.5	666.5	667.5	675.2	676.2	660.0	608.2	603.8	594.1	585.5	582.2
17.5°	682.7	681.6	681.6	692.4	711.8	722.7	689.2	684.8	674.1	669.8	658.9
20°	718.3	716.2	709.7	709.7	728.1	765.9	765.9	764.7	752.9	749.7	744.3
22.5°	771.3	769.1	749.7	733.5	742.1	789.7	834.0	831.7	827.4	823.2	819.9
25°	857.7	850.1	816.7	769.1	761.6	812.3	885.8	891.2	894.4	894.4	896.6
27.5°	988.4	978.7	919.3	830.7	797.2	849.0	943.1	953.9	963.5	965.7	975.4
30°	1169.9	1152.6	1067.3	937.6	860.9	903.1	1027.3	1039.2	1053.2	1057.5	1072.7
32.5°	1468.0	1458.3	1376.2	1181.8	1017.6	1008.9	1145.0	1160.2	1178.5	1186.1	1204.5
35°	1921.7	1923.8	1856.8	1681.9	1455.1	1336.2	1355.6	1368.7	1375.1	1397.8	1407.5
37.5°	2229.6	2235.0	2250.1	2180.9	2018.9	1898.0	1745.6	1759.6	1726.2	1729.4	1730.5
40°	2398.1	2415.4	2503.9	2570.9	2558.0	2487.7	2365.7	2373.2	2310.6	2296.6	2228.5
42.5°	2510.4	2533.1	2674.6	2882.1	2987.9	3051.6	3023.6	3020.3	2971.6	2953.3	2896.0
45°	2580.7	2601.1	2779.4	3085.1	3329.2	3515.0	3591.7	3600.4	3559.3	3541.0	3493.4
47.5°	2577.4	2601.1	2792.4	3160.7	3520.4	3817.5	4033.5	4044.3	4069.1	4053.0	4056.2
50°	2434.8	2457.5	2649.8	3032.2	3464.3	3955.7	4351.1	4385.7	4425.6	4452.7	4465.6
52.5°	2262.0	2278.2	2448.9	2811.8	3224.5	3898.5	4539.1	4598.4	4657.9	4708.7	4744.3
55°	2198.2	2216.6	2350.5	2651.9	3032.2	3658.7	4626.5	4714.1	4798.4	4881.5	4949.5
57.5°	2231.7	2249.0	2345.1	2576.3	2917.7	3405.9	4651.4	4787.6	4925.8	5060.8	5194.7
60°	2354.9	2373.2	2455.4	2646.5	2887.5	3260.1	4554.2	4779.9	5010.1	5245.5	5467.0
62.5°	2306.2	2313.8	2434.8	2769.7	3103.5	3135.8	4201.0	4516.4	4867.5	5230.5	5587.9
63°	2259.8	2268.5	2391.6	2736.2	3169.3	3117.5	4091.8	4424.6	4795.1	5186.1	5575.0
65°	2049.1	2050.2	2144.2	2416.5	3095.9	3149.9	3605.8	3923.4	4349.0	4817.8	5309.2
67.5°	1529.6	1522.1	1612.8	1820.2	2430.5	3151.0	3094.8	3273.0	3569.0	3985.0	4425.6
70°	542.2	530.4	677.3	964.7	1514.4	2577.4	2659.5	2671.4	2753.5	2978.2	3254.7
72.5°	176.1	179.3	216.0	353.2	697.9	1734.8	2407.8	2371.1	2349.5	2348.4	2385.1
75°	70.2	71.3	86.4	156.7	313.3	836.1	2108.6	2129.1	2136.7	2147.5	2159.4
77.5°	33.5	36.7	48.7	87.5	155.5	413.7	1509.0	1683.0	1782.3	1859.1	1905.5
80°	11.9	14.0	27.0	54.0	72.4	190.1	795.1	959.3	1105.0	1293.0	1455.1
82.5°	0.0	0.0	5.4	37.8	40.0	76.7	326.2	382.4	437.5	567.1	728.1
85°	0.0	0.0	0.0	10.8	11.9	12.9	110.1	132.8	149.0	174.0	200.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	3.3	6.5	16.2	24.8
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°	227.9	227.9	227.9	227.9	227.9	227.9	227.9	227.9	227.9	227.9	227.9
2.5°	265.8	264.7	264.7	262.5	261.4	259.3	258.1	254.9	253.9	253.9	253.9
5°	314.3	310.0	307.8	302.4	299.3	298.1	292.7	290.6	287.4	288.4	283.0
7.5°	368.4	360.7	357.6	350.0	347.8	340.3	338.1	332.7	329.5	323.0	320.8
10°	427.7	418.0	412.7	400.7	397.5	392.1	385.7	379.2	373.8	367.3	364.0
12.5°	495.8	487.2	482.9	466.6	459.1	451.5	442.9	434.2	425.6	420.2	412.7
15°	575.7	561.7	557.4	542.2	529.3	519.5	507.7	496.9	490.4	479.6	472.1
17.5°	654.6	640.6	637.3	614.6	600.6	594.1	581.1	567.1	555.3	544.5	532.6
20°	733.5	723.7	715.1	693.5	678.3	667.5	650.3	636.3	626.5	611.4	596.3
22.5°	812.3	802.6	796.1	773.4	759.4	744.3	729.1	714.1	700.0	681.6	664.4
25°	893.3	886.9	883.6	863.1	850.1	836.1	820.9	803.7	786.4	765.9	747.5
27.5°	977.6	979.7	973.3	968.9	954.9	945.2	921.4	909.6	896.6	871.7	849.0
30°	1084.6	1091.0	1088.8	1092.1	1083.4	1076.9	1058.6	1043.4	1028.4	1004.6	978.7
32.5°	1219.5	1228.2	1232.6	1244.4	1240.1	1238.0	1232.6	1210.9	1200.1	1159.1	1148.3
35°	1428.0	1423.7	1442.1	1451.8	1447.5	1445.3	1438.9	1427.0	1414.0	1384.8	1357.9
37.5°	1699.2	1703.5	1710.0	1690.5	1677.6	1676.5	1657.0	1645.1	1626.8	1594.4	1562.0
40°	2196.1	2169.0	2138.8	2056.8	2021.1	2000.6	1943.3	1927.1	1895.8	1851.5	1818.0
42.5°	2842.1	2815.1	2724.3	2587.1	2513.7	2412.1	2365.7	2308.4	2264.1	2191.7	2152.9
45°	3483.7	3405.9	3395.1	3235.3	3144.5	3010.5	2927.4	2831.3	2730.8	2635.7	2566.6
47.5°	4024.9	4007.6	3954.6	3857.4	3773.2	3660.9	3553.9	3405.9	3302.3	3167.2	3043.0
50°	4458.1	4457.0	4437.5	4381.3	4311.2	4220.4	4126.4	4001.1	3883.4	3718.1	3585.2
52.5°	4782.1	4799.4	4805.9	4788.6	4761.6	4681.7	4634.2	4529.3	4430.0	4289.5	4145.9
55°	5019.8	5083.5	5115.9	5152.6	5145.1	5117.0	5114.8	5046.7	5001.4	4890.2	4788.6
57.5°	5313.6	5418.4	5518.8	5697.1	5703.6	5766.2	5798.6	5831.0	5839.7	5795.4	5761.9
60°	5687.4	5901.2	6091.4	6464.0	6561.2	6714.6	6814.0	6922.0	7013.8	7021.4	7019.2
62.5°	5950.9	6280.4	6587.2	7140.2	7329.3	7506.5	7639.3	7744.0	7807.8	7872.6	7902.8
63°	5958.5	6319.3	6645.5	7215.9	7414.7	7583.1	7709.5	7806.7	7873.7	7912.6	7932.0
65°	5775.9	6213.4	6602.3	7170.5	7357.3	7526.9	7592.9	7656.6	7689.0	7704.1	7646.8
67.5°	4895.6	5323.3	5777.0	6412.1	6572.0	6775.1	6829.2	6861.5	6876.7	6873.4	6824.8
70°	3660.9	4019.5	4523.9	5249.9	5461.6	5660.3	5783.5	5836.4	5853.7	5848.3	5775.9
72.5°	2555.8	2766.4	3182.3	3990.4	4278.7	4533.7	4686.0	4764.9	4781.1	4748.6	4681.7
75°	2146.4	2157.2	2251.2	2692.9	2963.0	3235.3	3407.0	3456.7	3424.3	3326.0	3155.3
77.5°	1916.3	1940.1	1940.1	2006.0	2058.9	2134.5	2150.7	2029.7	1889.3	1707.8	1560.9
80°	1607.4	1690.5	1748.8	1797.5	1802.9	1787.7	1747.8	1679.7	1571.7	1433.4	1280.1
82.5°	976.5	1140.8	1207.7	1458.3	1581.4	1664.6	1658.1	1567.4	1485.3	1341.6	1210.9
85°	246.3	265.8	288.4	374.8	420.2	513.1	571.4	598.4	608.2	558.5	505.6
87.5°	23.7	16.2	27.0	20.6	29.2	21.6	29.2	27.0	33.5	35.6	38.9
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):**

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	227.9	227.9	227.9	227.9	227.9	227.9	227.9	227.9	227.9	227.9	227.9
2.5°	251.7	250.6	249.5	248.5	247.4	246.3	244.1	244.1	242.0	240.9	239.8
5°	279.8	277.6	276.6	274.4	271.2	268.9	265.8	261.4	258.1	257.1	254.9
7.5°	315.4	310.0	307.8	304.7	300.3	293.9	289.5	286.2	280.8	277.6	271.2
10°	355.4	350.0	343.5	337.0	330.5	323.0	317.6	313.3	304.7	300.3	292.7
12.5°	406.1	396.5	388.8	380.3	371.6	363.0	356.5	343.5	335.9	326.2	319.7
15°	458.0	449.4	440.7	430.0	416.9	402.9	396.5	384.6	374.8	359.7	351.1
17.5°	520.7	504.5	491.5	478.5	466.6	453.7	440.7	422.3	408.3	395.4	378.0
20°	582.2	562.8	548.7	531.4	514.1	493.7	478.5	465.6	446.1	428.8	410.5
22.5°	648.1	628.7	606.0	588.7	564.9	548.7	528.2	506.6	487.2	464.5	441.8
25°	728.1	707.5	681.6	658.9	631.9	609.2	584.4	559.5	535.8	509.9	480.7
27.5°	826.3	804.7	776.7	749.7	714.1	686.0	662.1	628.7	598.4	566.0	532.6
30°	950.6	926.8	892.3	853.4	817.7	786.4	752.9	708.7	675.2	636.3	593.0
32.5°	1112.7	1084.6	1038.1	1001.4	957.0	916.0	869.6	825.3	777.8	727.0	677.3
35°	1316.8	1290.9	1236.8	1182.8	1134.2	1085.6	1027.3	976.5	909.6	848.0	784.3
37.5°	1528.5	1482.1	1432.4	1374.1	1313.6	1255.2	1183.9	1113.7	1037.0	970.1	890.1
40°	1770.4	1714.3	1673.2	1610.6	1525.3	1442.1	1376.2	1288.7	1192.6	1102.9	1008.9
42.5°	2102.1	2039.5	1966.0	1870.9	1809.4	1712.1	1626.8	1523.1	1396.8	1296.3	1182.8
45°	2485.6	2400.2	2328.9	2237.1	2162.6	2041.6	1942.2	1803.9	1677.6	1545.8	1407.5
47.5°	2923.1	2817.2	2713.5	2622.8	2503.9	2385.1	2258.7	2111.8	1949.8	1805.0	1640.8
50°	3425.3	3275.2	3131.6	3014.9	2851.7	2714.6	2577.4	2412.1	2232.9	2066.4	1879.5
52.5°	3983.8	3809.9	3619.8	3440.5	3251.5	3075.4	2910.1	2720.0	2520.1	2317.0	2108.6
55°	4657.9	4527.2	4303.6	4075.7	3822.9	3587.4	3374.6	3139.1	2896.0	2629.2	2410.0
57.5°	5713.2	5649.5	5462.6	5234.7	4905.2	4619.0	4258.3	3969.8	3617.6	3250.3	2967.4
60°	7143.5	7064.6	6959.9	6775.1	6513.7	6124.9	5727.3	5279.0	4743.2	4234.4	3751.6
62.5°	7906.1	7878.0	7792.7	7665.3	7421.1	7114.3	6713.5	6221.0	5616.0	4998.2	4382.4
63°	7928.8	7893.2	7819.7	7690.1	7475.1	7178.0	6784.9	6306.3	5714.4	5084.6	4455.9
65°	7622.0	7608.0	7533.4	7392.0	7245.0	7018.2	6713.5	6302.0	5805.1	5209.9	4584.4
67.5°	6760.0	6717.9	6603.4	6560.1	6457.5	6299.9	6067.6	5784.6	5429.1	4961.4	4421.3
70°	5717.6	5654.9	5511.3	5434.5	5309.2	5209.9	5068.4	4866.4	4647.1	4320.9	3918.0
72.5°	4612.5	4482.9	4351.1	4151.3	3976.3	3799.1	3642.5	3499.9	3259.0	3127.2	2821.5
75°	2995.5	2759.9	2534.2	2231.7	1959.5	1718.6	1484.2	1365.4	1118.1	1017.6	873.9
77.5°	1421.6	1289.8	1112.7	975.4	800.5	653.5	533.6	400.7	314.3	246.3	188.0
80°	1147.2	1035.9	929.0	804.7	672.9	536.8	411.5	307.8	218.2	151.3	107.0
82.5°	1023.0	902.0	770.2	684.8	595.2	487.2	399.7	326.2	240.9	176.1	119.9
85°	397.5	334.9	258.1	210.6	164.2	135.1	122.0	84.3	65.9	51.8	40.0
87.5°	34.6	28.1	22.7	15.2	16.2	8.7	9.8	6.5	5.4	5.4	4.3
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):**

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	227.9	227.9	227.9	227.9	227.9	227.9	227.9	227.9	227.9	227.9	227.9
2.5°	238.7	237.7	236.6	234.4	234.4	232.3	231.2	230.0	224.7	212.8	203.1
5°	250.6	248.5	246.3	243.1	240.9	237.7	235.4	232.3	220.4	197.7	178.2
7.5°	267.9	263.5	260.4	253.9	250.6	246.3	243.1	237.7	218.2	183.6	156.7
10°	288.4	280.8	275.4	267.9	261.4	256.0	250.6	243.1	216.0	168.6	137.2
12.5°	313.3	304.7	293.9	285.2	276.6	268.9	261.4	251.7	212.8	155.5	122.0
15°	338.1	325.1	317.6	305.7	293.9	283.0	272.2	263.5	213.9	141.5	109.1
17.5°	366.2	353.2	337.0	324.1	311.1	297.0	284.1	266.8	208.5	130.7	99.3
20°	393.2	374.8	359.7	343.5	325.1	307.8	291.6	276.6	204.2	119.9	90.7
22.5°	422.3	400.7	381.3	360.7	338.1	318.7	299.3	279.8	196.6	110.1	83.2
25°	458.0	433.2	405.1	380.3	356.5	332.7	307.8	284.1	189.0	101.6	77.8
27.5°	501.2	468.8	440.7	409.4	375.9	345.7	318.7	292.7	181.5	95.1	72.4
30°	556.3	518.5	478.5	438.6	402.9	368.4	330.5	298.1	174.0	88.6	67.0
32.5°	629.8	582.2	533.6	487.2	439.6	395.4	355.4	313.3	169.6	83.2	61.6
35°	727.0	665.4	606.0	547.6	490.4	436.4	384.6	337.0	169.6	76.7	55.1
37.5°	818.8	747.5	671.9	599.5	531.4	468.8	407.3	350.0	160.9	71.3	49.7
40°	918.1	832.8	744.3	658.9	576.8	499.1	428.8	363.0	153.4	64.8	44.3
42.5°	1070.5	962.5	846.9	747.5	649.2	553.0	465.6	387.8	143.6	58.3	38.9
45°	1270.3	1133.1	997.0	876.1	750.8	633.0	529.3	433.2	141.5	52.9	33.5
47.5°	1484.2	1322.1	1162.3	1007.8	860.9	723.7	599.5	483.9	141.5	47.5	29.2
50°	1697.0	1494.0	1323.3	1143.9	978.7	816.7	668.7	536.8	142.6	43.2	23.7
52.5°	1889.3	1672.2	1480.9	1273.6	1091.0	903.1	742.1	588.7	140.5	37.8	19.4
55°	2156.1	1901.2	1679.7	1450.7	1236.8	1025.1	842.6	666.5	141.5	33.5	16.2
57.5°	2647.6	2348.4	2081.6	1781.3	1535.0	1261.7	1040.3	826.3	154.5	28.1	11.9
60°	3353.0	2964.1	2589.3	2223.1	1909.8	1584.7	1297.3	1045.7	181.5	22.7	8.7
62.5°	3827.2	3318.4	2871.2	2467.2	2103.2	1762.9	1449.7	1163.4	199.8	18.3	5.4
63°	3875.8	3349.8	2900.4	2483.5	2111.8	1771.5	1456.1	1172.0	200.9	17.3	5.4
65°	3967.7	3403.7	2916.6	2486.6	2103.2	1759.6	1451.8	1171.0	203.1	14.0	4.3
67.5°	3862.8	3320.6	2822.6	2393.8	2027.5	1689.5	1397.8	1127.7	202.0	9.8	3.3
70°	3454.5	3005.1	2567.6	2168.0	1835.3	1529.6	1272.5	1028.4	185.8	6.5	2.1
72.5°	2536.4	2230.6	1891.5	1603.1	1382.7	1148.3	979.7	772.4	143.6	4.3	1.1
75°	751.8	684.8	575.7	507.7	448.3	370.5	329.5	257.1	73.5	2.1	0.0
77.5°	150.1	136.1	122.0	111.3	104.7	89.7	85.3	70.2	30.2	1.1	0.0
80°	78.9	64.8	55.1	48.7	42.1	34.6	29.2	23.7	5.4	0.0	0.0
82.5°	75.6	50.8	36.7	30.2	26.0	20.6	16.2	11.9	3.3	0.0	0.0
85°	28.1	21.6	16.2	12.9	10.8	9.8	7.5	6.5	0.0	0.0	0.0
87.5°	4.3	3.3	3.3	2.1	2.1	1.1	1.1	1.1	0.0	0.0	0.0
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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CATALOG NUMBER: ICM-F05-LED-E1-SL2-HSS-8030

**CANDELA DISTRIBUTION (continued):**

	125°	135°	145°	155°	165°	175°	180°
0°	227.9	227.9	227.9	227.9	227.9	227.9	227.9
2.5°	193.4	184.7	180.4	175.0	175.0	174.0	176.1
5°	160.9	149.0	140.5	134.0	135.1	131.8	132.8
7.5°	136.1	124.2	116.7	112.4	111.3	110.1	110.1
10°	117.8	107.0	100.5	97.2	96.1	96.1	96.1
12.5°	104.7	94.0	88.6	86.4	86.4	85.3	85.3
15°	94.0	85.3	79.9	77.8	77.8	76.7	77.8
17.5°	85.3	76.7	72.4	70.2	70.2	69.1	69.1
20°	77.8	70.2	65.9	62.7	62.7	61.6	62.7
22.5°	71.3	63.7	58.3	56.2	55.1	54.0	55.1
25°	64.8	57.2	51.8	48.7	47.5	47.5	46.4
27.5°	59.4	51.8	45.4	42.1	41.0	41.0	40.0
30°	54.0	45.4	38.9	35.6	34.6	34.6	34.6
32.5°	48.7	38.9	33.5	30.2	29.2	29.2	29.2
35°	43.2	33.5	28.1	24.8	23.7	23.7	23.7
37.5°	36.7	28.1	21.6	19.4	18.3	17.3	17.3
40°	31.3	21.6	16.2	14.0	11.9	11.9	11.9
42.5°	26.0	17.3	11.9	8.7	7.5	6.5	7.5
45°	21.6	12.9	7.5	4.3	3.3	3.3	3.3
47.5°	17.3	8.7	3.3	1.1	1.1	1.1	1.1
50°	12.9	5.4	1.1	0.0	0.0	1.1	1.1
52.5°	9.8	3.3	0.0	0.0	0.0	0.0	0.0
55°	5.4	1.1	0.0	0.0	0.0	0.0	0.0
57.5°	3.3	0.0	0.0	0.0	0.0	0.0	0.0
60°	2.1	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1.1	0.0	0.0	0.0	0.0	0.0	0.0
63°	1.1	0.0	0.0	0.0	0.0	0.0	0.0
65°	1.1	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)