

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: P181543

Luminaire Tested: **ICM-F03-LED-E1-T4-HSS-7030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P181543  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33725)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ICM-F03-LED-E1-T4-HSS-7030  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ HOUSE SIDE SHIELD  
Light Source: (21) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4069.6 lumens  
Efficiency: N/A  
Efficacy: 52.0 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

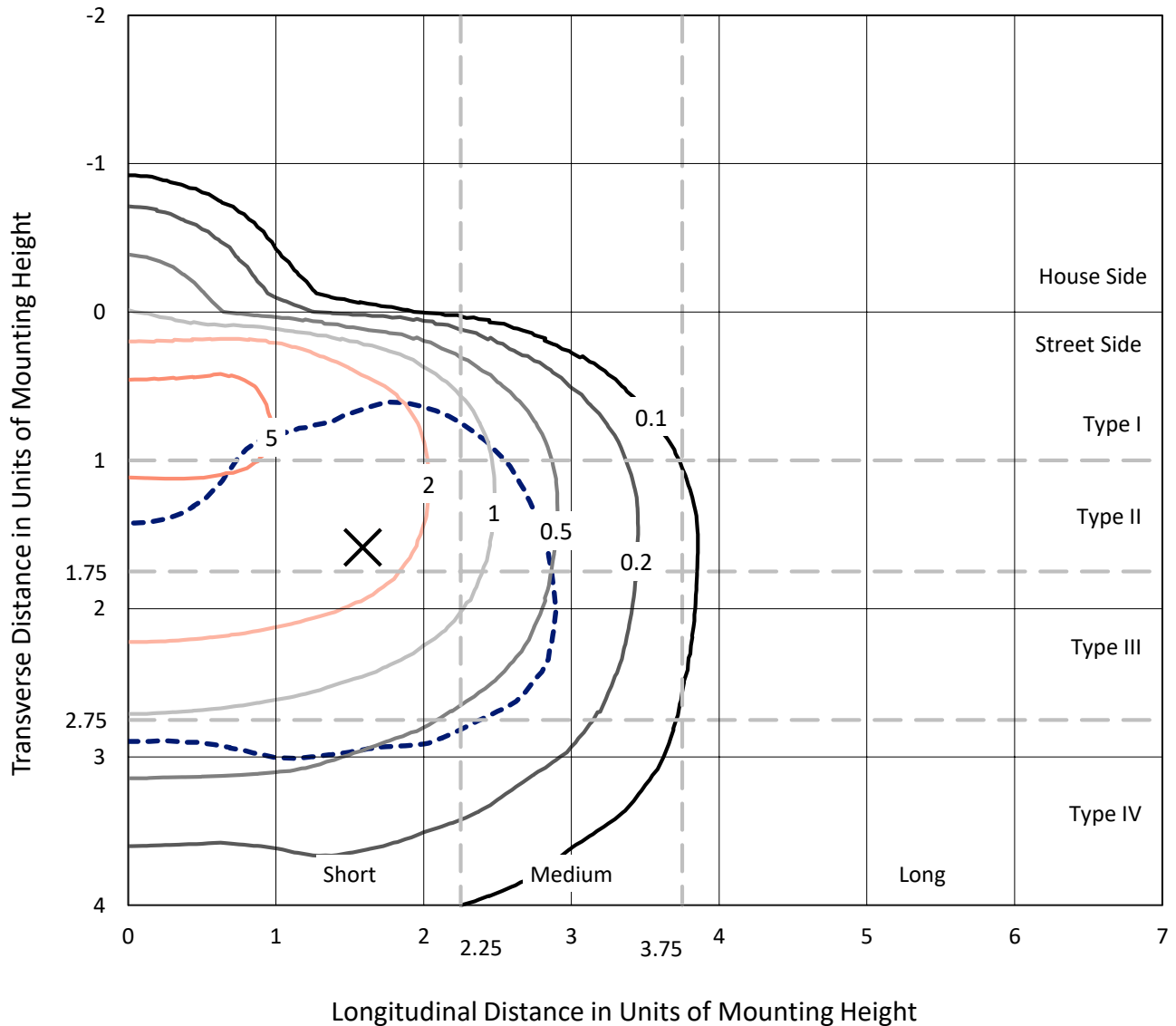
Input Watts (W): 78.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P181543  
 CATALOG NUMBER: ICM-F03-LED-E1-T4-HSS-7030

### Iso-Footcandle Lines of Horizontal Illumination

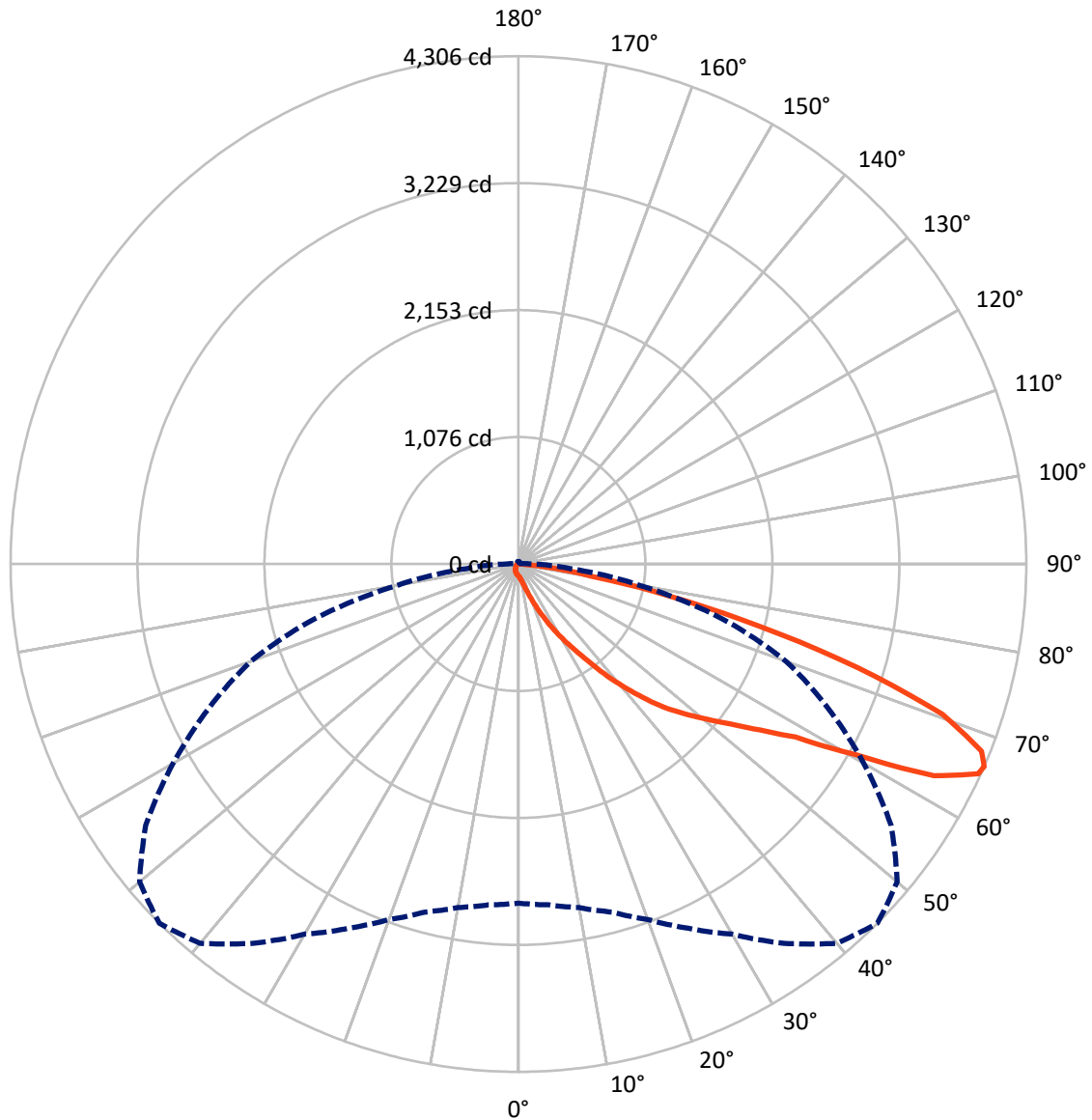
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.5 fc  
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P181543  
CATALOG NUMBER: ICM-F03-LED-E1-T4-HSS-7030

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical

REPORT NUMBER: P181543

CATALOG NUMBER: ICM-F03-LED-E1-T4-HSS-7030

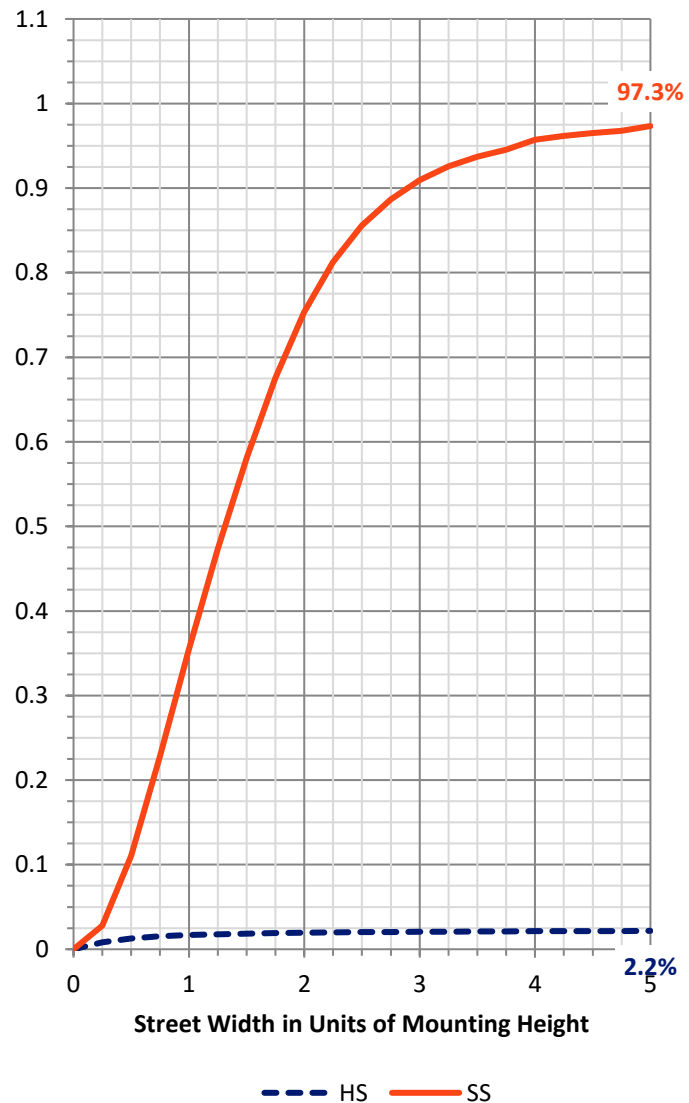
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	92.2	0.0	92.2
	% Fixture	2.3	0.0	2.3
<b>Street Side</b>	Lumens	3977.3	0.0	3977.3
	% Fixture	97.7	0.0	97.7
<b>Total</b>	Lumens	4069.6	0.0	4069.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.2	0.3
10°-20°	41.5	1.0
20°-30°	121.6	3.0
30°-40°	284.0	7.0
40°-50°	533.5	13.1
50°-60°	884.0	21.7
60°-70°	1403.4	34.5
70°-80°	725.8	17.8
80°-90°	65.5	1.6
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°	4069.6	100.0
0°-180°	4069.6	100.0



REPORT NUMBER: P181543

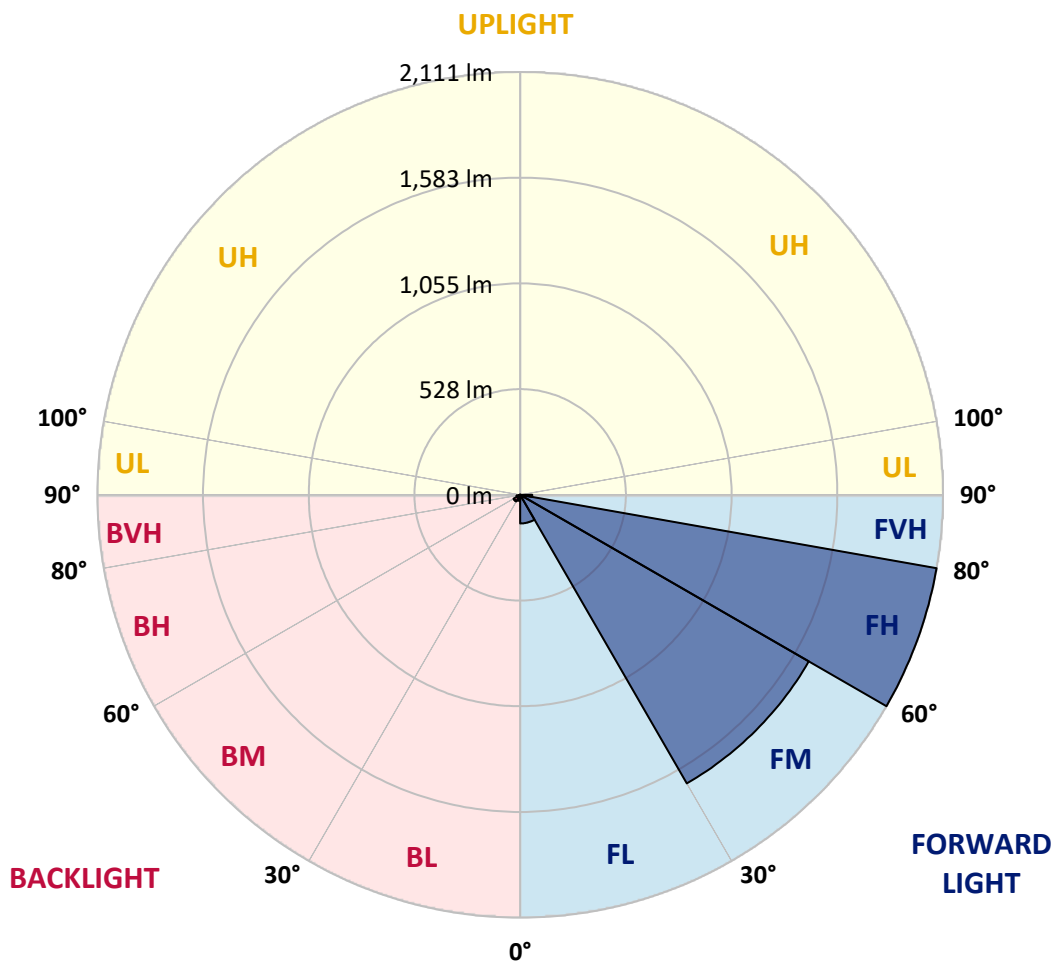
CATALOG NUMBER: ICM-F03-LED-E1-T4-HSS-7030

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	143.2	3.5			
FM	(30°-60°)	1663.2	40.9			
FH	(60°-80°)	2110.5	51.9			G2/5000
FVH	(80°-90°)	60.4	1.5			G1/100
BL	(0°-30°)	30.1	0.7	B0/110		
BM	(30°-60°)	38.3	0.9	B0/220		
BH	(60°-80°)	18.7	0.5	B0/110		G0/110
BVH	(80°-90°)	5.2	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





REPORT NUMBER: P181543  
 CATALOG NUMBER: ICM-F03-LED-E1-T4-HSS-7030

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	101.7	101.7	101.7	101.7	101.7	101.7	101.7	101.7	101.7	101.7	101.7
2.5°	110.1	110.1	110.1	110.1	109.4	108.7	108.0	107.3	106.6	106.6	106.0
5°	124.8	125.6	124.8	124.2	122.7	122.0	119.9	118.5	116.5	115.7	113.6
7.5°	145.2	144.5	145.2	143.1	140.3	139.5	136.7	133.3	130.4	126.2	123.4
10°	174.6	174.0	174.6	170.4	166.2	162.7	157.8	153.6	147.3	142.4	136.7
12.5°	221.7	221.7	220.3	214.6	209.0	201.3	193.6	184.5	173.2	163.4	154.3
15°	293.9	290.4	284.1	280.6	270.7	258.8	250.4	232.2	216.0	200.6	182.3
17.5°	380.8	373.9	368.9	361.2	348.6	333.1	319.2	292.5	276.4	251.1	225.1
20°	480.5	472.0	470.6	458.7	445.4	428.6	408.2	376.7	349.3	317.8	281.3
22.5°	582.1	583.5	578.0	569.5	556.2	536.6	505.0	476.3	442.6	402.6	355.6
25°	695.8	695.1	690.1	680.4	670.5	646.0	620.7	593.4	553.4	502.2	446.0
27.5°	802.4	801.7	789.8	790.5	771.5	762.4	737.9	708.4	660.0	617.2	556.2
30°	914.0	906.9	899.2	893.6	880.3	864.1	851.4	816.4	779.9	729.5	679.6
32.5°	1026.8	1019.2	1021.2	1014.2	1003.7	987.5	968.7	939.9	900.6	851.4	805.2
35°	1165.0	1161.5	1155.9	1158.0	1155.9	1144.0	1127.8	1090.0	1047.2	1000.2	952.5
37.5°	1267.4	1263.9	1267.4	1282.1	1285.7	1293.4	1281.4	1262.5	1231.6	1180.5	1130.6
40°	1362.1	1362.8	1379.0	1397.2	1409.8	1435.1	1439.3	1431.5	1407.0	1360.0	1294.8
42.5°	1447.0	1457.5	1472.2	1502.4	1529.8	1565.5	1592.2	1596.4	1578.1	1547.3	1481.3
45°	1541.7	1550.8	1574.0	1609.7	1647.5	1691.7	1734.5	1757.0	1755.5	1733.9	1663.0
47.5°	1647.5	1659.5	1684.8	1714.2	1764.7	1814.5	1869.9	1909.9	1926.7	1896.6	1827.8
50°	1775.9	1780.8	1802.6	1840.5	1886.7	1944.3	2004.6	2062.8	2095.7	2067.7	1996.8
52.5°	1928.1	1929.5	1949.9	1984.9	2022.2	2085.2	2144.2	2224.9	2267.6	2252.2	2167.3
55°	2137.1	2132.9	2147.0	2177.1	2207.3	2268.3	2327.3	2418.4	2480.9	2482.2	2391.7
57.5°	2422.6	2412.8	2421.9	2445.8	2479.5	2536.2	2610.6	2691.3	2774.7	2769.1	2694.7
60°	2820.3	2816.8	2833.6	2873.6	2931.1	2990.1	3074.3	3182.9	3256.6	3281.8	3203.9
62.5°	3084.8	3094.5	3133.1	3194.8	3305.7	3427.7	3584.1	3750.3	3890.6	3953.8	3846.4
65°	2971.1	2987.3	3047.6	3138.7	3285.3	3468.4	3676.0	3948.9	4190.8	4286.9	4175.4
66°	2875.0	2900.9	2957.8	3054.5	3207.5	3407.4	3624.1	3925.7	4197.9	4305.9	4192.2
67.5°	2708.8	2727.0	2791.6	2898.9	3063.0	3260.8	3495.0	3813.5	4120.7	4235.0	4122.1
70°	2370.0	2377.0	2429.6	2520.9	2647.7	2850.4	3063.0	3369.5	3652.1	3812.8	3689.3
72.5°	1764.0	1773.8	1860.8	2027.0	2191.8	2306.9	2432.4	2677.9	2860.3	3010.3	2986.5
75°	848.7	852.9	911.1	1153.8	1475.0	1612.5	1728.9	1919.0	1988.5	2114.0	2095.1
77.5°	538.0	547.1	584.9	643.9	826.2	989.7	1081.6	1190.2	1210.6	1316.5	1254.8
80°	148.0	171.8	209.7	308.7	529.6	631.3	672.7	668.5	672.7	640.4	619.4
82.5°	30.1	29.5	35.8	55.4	233.6	367.5	397.0	338.0	336.0	323.4	333.9
85°	7.7	7.0	8.4	17.5	40.0	108.7	136.7	76.5	58.2	55.4	49.1
87.5°	2.1	2.1	2.1	3.5	4.2	5.6	7.7	5.6	4.2	4.2	4.2
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: P181543

CATALOG NUMBER: ICM-F03-LED-E1-T4-HSS-7030

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	101.7	101.7	101.7	101.7	101.7	101.7	101.7	101.7	101.7	101.7	101.7
2.5°	105.2	105.2	104.5	103.8	103.8	103.1	102.4	101.7	101.0	100.3	99.6
5°	111.5	110.1	108.0	106.6	105.2	103.1	101.7	100.3	98.9	98.2	96.8
7.5°	119.9	116.5	113.6	109.4	106.6	103.8	101.0	98.9	96.8	95.3	94.0
10°	130.4	124.8	119.3	113.6	108.7	104.5	100.3	96.8	94.7	92.6	91.2
12.5°	143.8	135.3	127.6	119.3	111.5	105.2	99.6	95.3	92.6	90.5	88.4
15°	165.5	152.2	138.9	126.2	116.5	106.6	98.9	94.0	90.5	88.4	86.2
17.5°	199.9	176.1	155.0	137.5	121.3	108.7	98.9	92.6	88.4	85.6	83.4
20°	249.7	210.4	176.7	151.5	130.4	112.2	98.9	90.5	86.2	82.8	80.7
22.5°	308.7	259.5	213.2	171.2	141.0	117.1	98.9	88.4	83.4	80.7	77.9
25°	394.9	329.7	266.5	207.6	158.5	124.8	101.0	87.0	81.4	77.9	75.1
27.5°	495.9	417.3	338.8	256.0	185.2	136.1	103.8	85.6	79.3	75.1	72.3
30°	610.9	523.9	427.8	320.6	220.3	150.8	108.7	84.8	76.5	72.3	68.7
32.5°	735.7	643.9	538.7	403.3	272.1	173.2	115.1	84.2	73.7	68.7	64.6
35°	884.5	798.9	670.5	519.7	352.8	211.8	129.0	85.6	70.9	65.2	60.3
37.5°	1047.2	956.0	819.9	643.2	432.7	255.4	139.5	83.4	66.0	60.3	55.4
40°	1211.3	1106.8	968.7	772.9	534.4	308.7	152.9	81.4	61.0	55.4	50.5
42.5°	1371.3	1261.1	1111.0	906.2	641.8	371.7	169.8	81.4	57.5	50.5	45.6
45°	1538.9	1406.3	1242.1	1033.9	748.4	444.0	193.6	80.7	53.3	46.3	40.7
47.5°	1697.4	1540.3	1351.5	1146.1	862.7	523.3	220.9	81.4	49.8	42.0	37.2
50°	1847.5	1667.2	1463.8	1246.3	972.1	608.8	254.6	82.0	46.3	38.6	33.7
52.5°	2011.6	1811.7	1584.5	1349.5	1080.1	695.1	293.9	83.4	42.8	35.1	30.9
55°	2215.0	1993.3	1733.1	1475.7	1194.5	782.1	331.7	84.8	39.3	32.3	28.1
57.5°	2508.2	2255.6	1974.4	1665.1	1346.0	880.9	371.1	88.4	36.5	30.1	26.0
60°	2985.1	2684.2	2359.5	1994.8	1572.6	1014.9	427.8	96.1	32.9	27.3	24.6
62.5°	3558.9	3196.9	2783.8	2341.2	1785.8	1105.4	465.8	104.5	30.1	25.2	23.2
65°	3847.8	3391.9	2915.7	2438.1	1813.1	1078.7	450.3	101.7	26.7	22.4	19.6
66°	3856.3	3381.4	2897.4	2417.0	1785.0	1046.5	435.5	100.3	26.0	21.8	18.2
67.5°	3776.3	3290.9	2800.7	2321.6	1702.2	984.1	408.9	95.3	23.8	19.6	16.1
70°	3381.4	2908.7	2459.1	2016.5	1464.5	829.0	343.0	84.2	21.0	17.5	14.7
72.5°	2695.5	2310.4	1931.6	1586.5	1138.3	622.1	270.7	68.7	18.2	15.4	12.7
75°	1882.5	1566.2	1278.0	1031.7	715.4	372.5	175.3	48.4	15.4	12.7	10.5
77.5°	1050.7	833.2	629.9	479.7	285.5	116.5	58.2	24.6	13.3	9.9	8.4
80°	534.4	396.3	301.6	222.3	131.9	60.3	29.5	16.1	10.5	7.7	7.0
82.5°	310.7	227.9	181.7	143.8	90.5	45.6	23.8	11.9	7.0	5.6	6.3
85°	69.4	91.9	77.9	66.0	48.4	28.7	16.8	7.7	4.9	4.9	5.6
87.5°	5.6	7.7	7.0	9.1	9.9	9.1	7.0	4.2	3.5	4.2	4.2
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: P181543

CATALOG NUMBER: ICM-F03-LED-E1-T4-HSS-7030

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	101.7	101.7	101.7	101.7	101.7	101.7	101.7	101.7	101.7	101.7	101.7
2.5°	98.9	98.2	98.2	97.5	96.8	96.8	96.8	96.1	96.8	96.8	96.8
5°	96.1	95.3	94.7	94.0	93.3	92.6	92.6	91.9	91.9	91.9	92.6
7.5°	93.3	91.9	91.2	89.8	89.1	88.4	88.4	87.6	87.6	87.6	87.6
10°	89.8	88.4	87.0	86.2	85.6	84.2	84.2	83.4	82.8	82.8	82.8
12.5°	87.0	85.6	84.2	82.8	81.4	80.7	80.0	79.3	78.5	78.5	78.5
15°	84.2	82.0	80.7	79.3	77.9	76.5	75.7	75.1	74.3	73.7	73.7
17.5°	81.4	79.3	77.1	75.7	74.3	72.9	72.3	70.1	70.1	69.4	69.4
20°	77.9	75.7	73.7	72.3	70.9	69.4	68.0	66.6	65.2	64.6	64.6
22.5°	75.1	72.9	70.9	68.7	66.6	64.6	63.2	61.8	61.0	60.3	59.6
25°	72.3	69.4	66.6	64.6	62.4	60.3	58.9	57.5	56.1	55.4	55.4
27.5°	68.7	66.0	63.2	60.3	58.2	56.1	54.7	52.6	51.9	51.2	50.5
30°	65.2	61.8	58.9	56.1	54.0	51.2	49.8	48.4	47.0	47.0	46.3
32.5°	61.0	57.5	54.7	51.9	49.1	47.0	45.6	44.2	43.4	42.0	42.0
35°	56.8	53.3	49.8	47.0	44.9	42.8	41.4	40.0	38.6	37.9	37.9
37.5°	51.9	48.4	45.6	42.8	40.7	38.6	37.2	35.8	35.1	34.3	33.7
40°	46.3	42.8	40.7	38.6	36.5	35.1	32.9	31.5	30.9	30.1	29.5
42.5°	41.4	37.9	36.5	35.1	32.9	31.5	29.5	28.1	26.7	26.0	25.2
45°	37.2	34.3	32.9	31.5	29.5	27.3	26.0	24.6	23.2	22.4	22.4
47.5°	32.9	30.9	29.5	28.1	26.0	24.6	22.4	21.8	20.4	20.4	20.4
50°	30.1	28.1	26.7	25.2	23.8	21.8	20.4	19.6	19.0	19.0	19.6
52.5°	28.1	26.0	24.6	23.2	21.8	20.4	19.0	18.2	18.2	19.0	19.6
55°	26.0	23.8	22.4	21.0	19.6	19.0	17.5	17.5	18.2	19.0	19.6
57.5°	24.6	21.8	20.4	19.6	18.2	17.5	17.5	17.5	18.2	19.0	20.4
60°	22.4	19.6	18.2	18.2	16.8	16.8	16.8	17.5	18.2	19.6	20.4
62.5°	19.6	17.5	16.8	16.8	16.1	16.1	16.8	17.5	19.0	19.6	20.4
65°	16.8	15.4	15.4	15.4	15.4	16.1	16.8	17.5	18.2	19.6	20.4
66°	15.4	14.7	14.7	15.4	15.4	16.1	16.8	17.5	18.2	19.0	19.6
67.5°	14.7	14.0	14.0	14.7	15.4	15.4	16.1	17.5	18.2	19.0	19.0
70°	12.7	12.7	12.7	14.0	14.7	15.4	16.1	16.8	17.5	18.2	19.0
72.5°	11.3	11.3	11.9	12.7	14.0	14.7	15.4	16.1	17.5	18.2	18.2
75°	9.9	9.9	11.3	11.9	13.3	14.0	15.4	16.1	16.8	17.5	17.5
77.5°	8.4	9.1	10.5	11.9	12.7	14.0	14.7	15.4	16.1	16.8	16.8
80°	7.7	9.1	10.5	11.3	11.9	12.7	13.3	14.7	15.4	16.1	16.8
82.5°	7.7	8.4	9.9	10.5	11.3	12.7	13.3	14.0	14.7	15.4	16.1
85°	6.3	7.7	8.4	9.9	10.5	11.9	12.7	12.7	13.3	14.0	14.7
87.5°	4.9	5.6	5.6	7.0	7.7	9.1	10.5	10.5	11.3	11.9	12.7
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: P181543

CATALOG NUMBER: ICM-F03-LED-E1-T4-HSS-7030

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°
0°	101.7	101.7	101.7	101.7
2.5°	96.8	97.5	97.5	97.5
5°	92.6	92.6	92.6	92.6
7.5°	87.6	87.6	87.6	87.6
10°	82.8	82.8	83.4	82.8
12.5°	78.5	77.9	77.9	77.9
15°	73.7	73.7	72.9	73.7
17.5°	68.7	68.7	68.0	68.0
20°	63.8	63.8	63.8	63.8
22.5°	59.6	58.9	58.9	58.9
25°	54.7	54.7	54.7	54.7
27.5°	50.5	50.5	50.5	50.5
30°	46.3	46.3	45.6	45.6
32.5°	42.0	42.0	42.0	42.0
35°	37.9	37.9	37.2	37.2
37.5°	32.9	32.9	32.9	32.9
40°	28.7	28.7	28.7	28.7
42.5°	25.2	25.2	24.6	24.6
45°	21.8	21.8	21.8	21.8
47.5°	20.4	20.4	20.4	20.4
50°	19.6	20.4	20.4	20.4
52.5°	20.4	20.4	20.4	20.4
55°	20.4	21.0	21.0	21.0
57.5°	20.4	21.0	21.0	21.8
60°	21.0	21.8	21.8	21.8
62.5°	21.0	21.8	21.8	21.8
65°	20.4	21.0	21.0	21.0
66°	20.4	20.4	20.4	21.0
67.5°	19.6	20.4	20.4	20.4
70°	19.0	19.6	19.6	20.4
72.5°	19.0	19.6	19.6	19.6
75°	18.2	18.2	19.0	19.0
77.5°	17.5	17.5	18.2	18.2
80°	16.8	17.5	17.5	17.5
82.5°	16.1	16.8	16.8	16.8
85°	14.7	15.4	15.4	15.4
87.5°	12.7	12.7	13.3	13.3
90°	0.0	0.0	0.0	0.0

(END OF REPORT)