

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: P181574

Luminaire Tested: **ICM-F06-LED-E1-T4-HSS**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181574
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-F06-LED-E1-T4-HSS
Description: ICON SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ HOUSE SIDE SHIELD
Light Source: (42) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8911.3 lumens
Efficiency: N/A
Efficacy: 56.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G2

Input Watts (W): 156.5
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

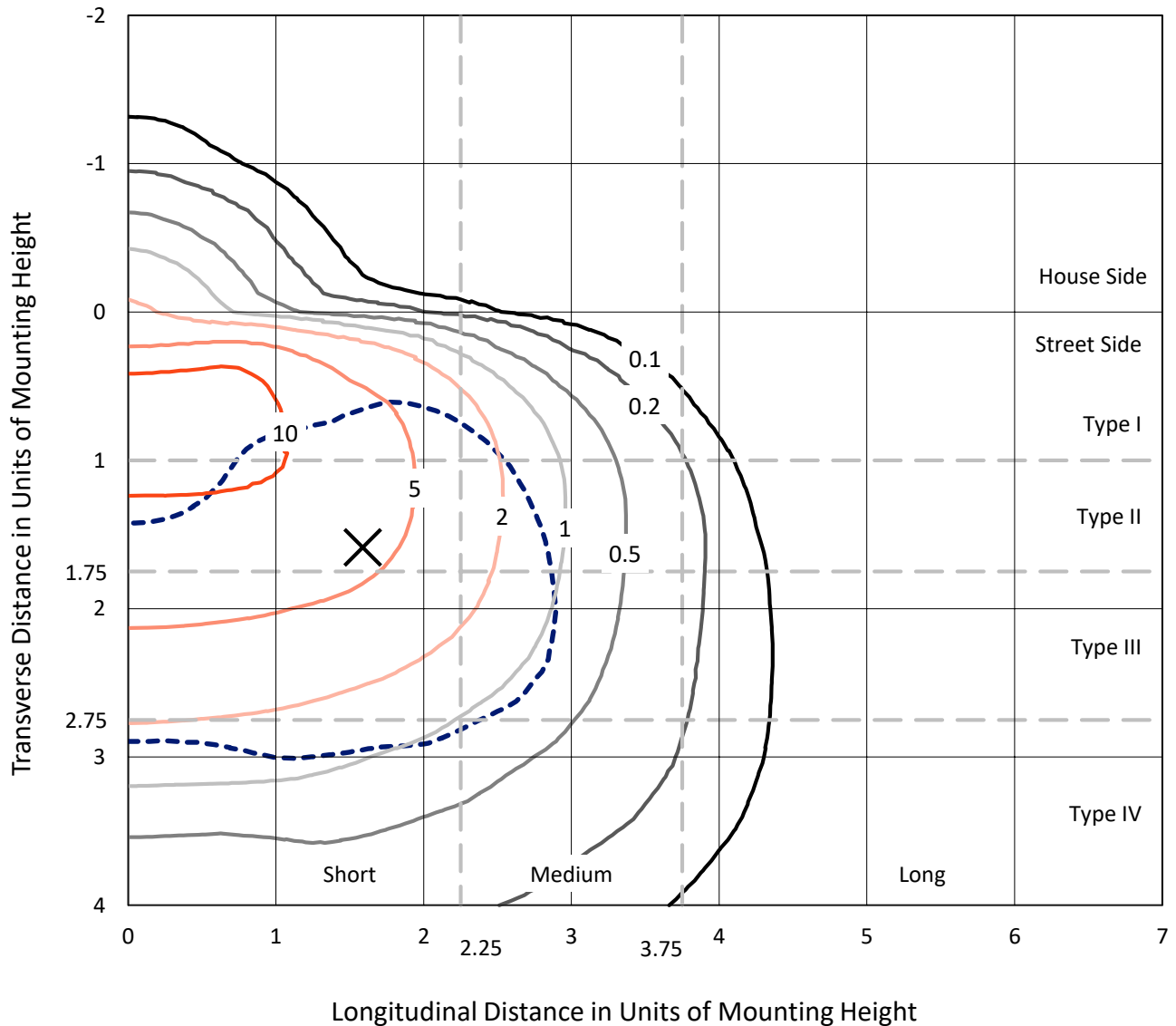


REPORT NUMBER: P181574

CATALOG NUMBER: ICM-F06-LED-E1-T4-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

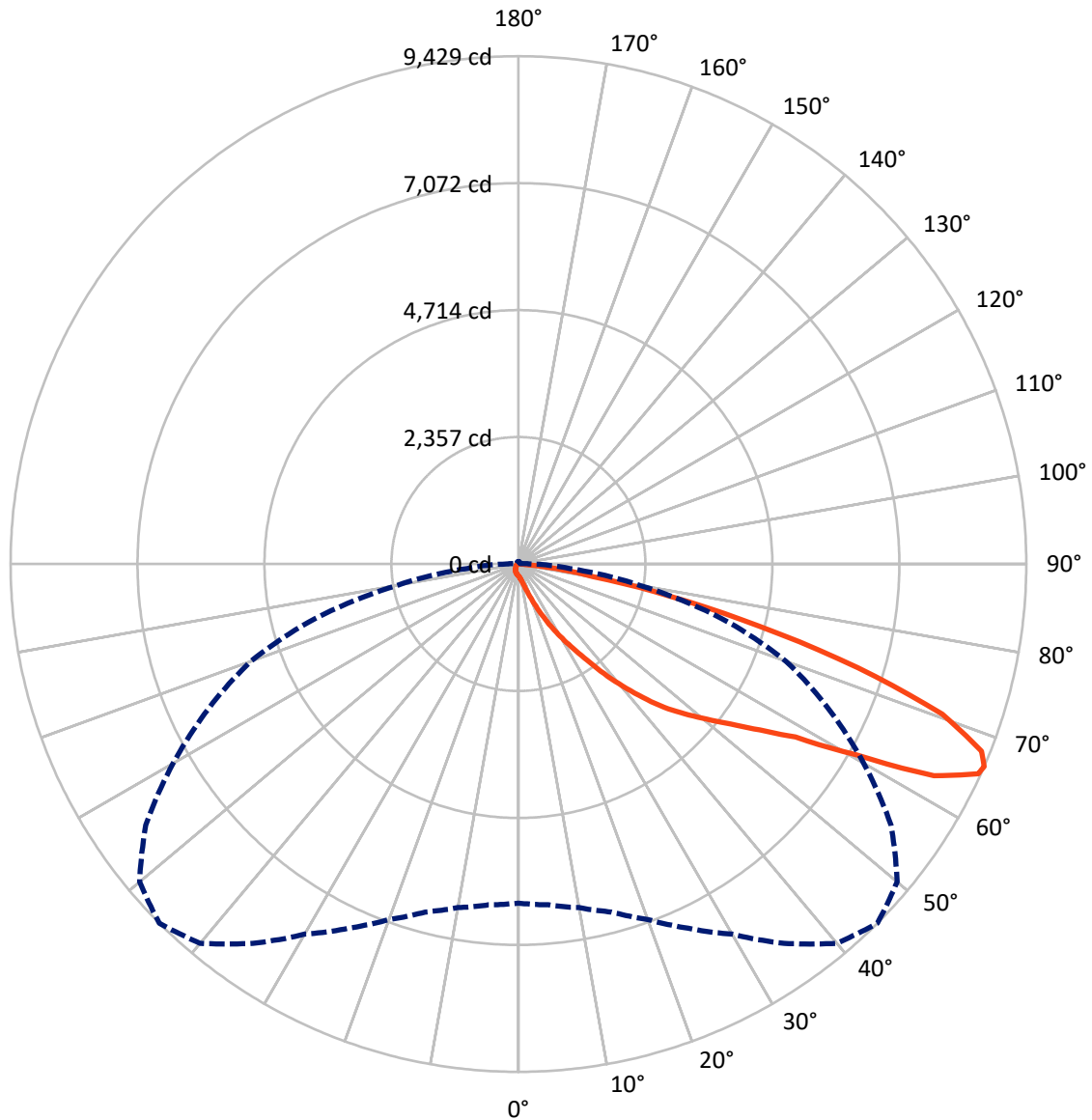


Based on 10 foot mounting height. Maximum calculated value = 14.1 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P181574

CATALOG NUMBER: ICM-F06-LED-E1-T4-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P181574

CATALOG NUMBER: ICM-F06-LED-E1-T4-HSS

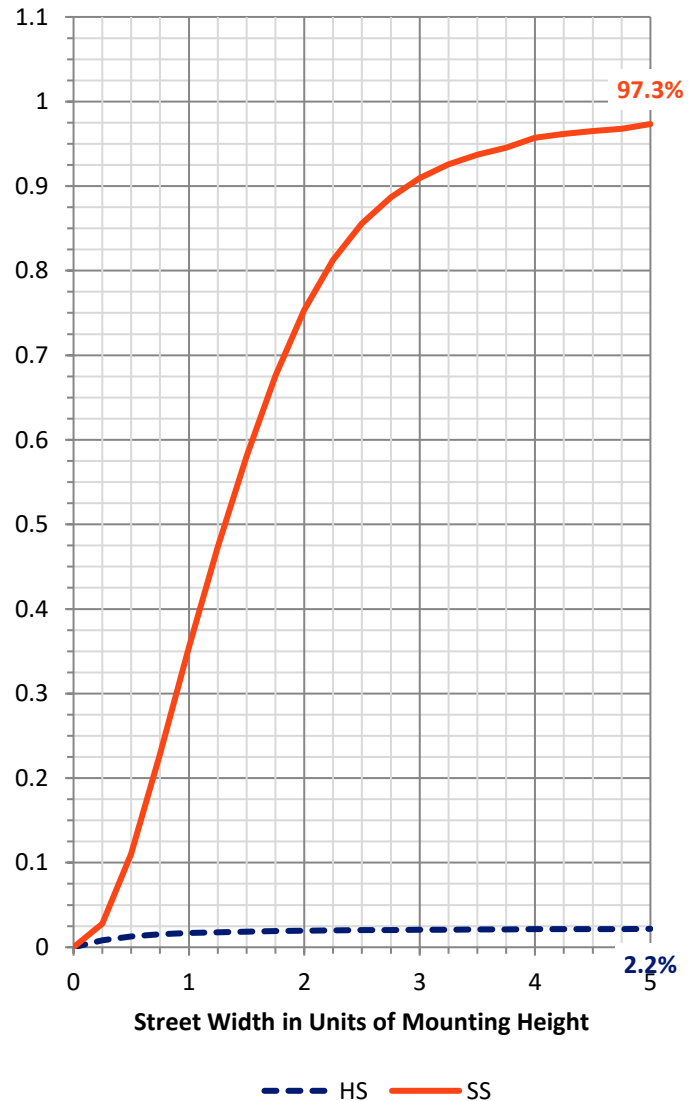
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	202.0	0.0	202.0
	% Fixture	2.3	0.0	2.3
Street Side	Lumens	8709.3	0.0	8709.3
	% Fixture	97.7	0.0	97.7
Total	Lumens	8911.3	0.0	8911.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.4	0.3
10°-20°	90.9	1.0
20°-30°	266.2	3.0
30°-40°	621.9	7.0
40°-50°	1168.1	13.1
50°-60°	1935.8	21.7
60°-70°	3073.1	34.5
70°-80°	1589.3	17.8
80°-90°	143.5	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°	8911.3	100.0
0°-180°	8911.3	100.0



REPORT NUMBER: P181574

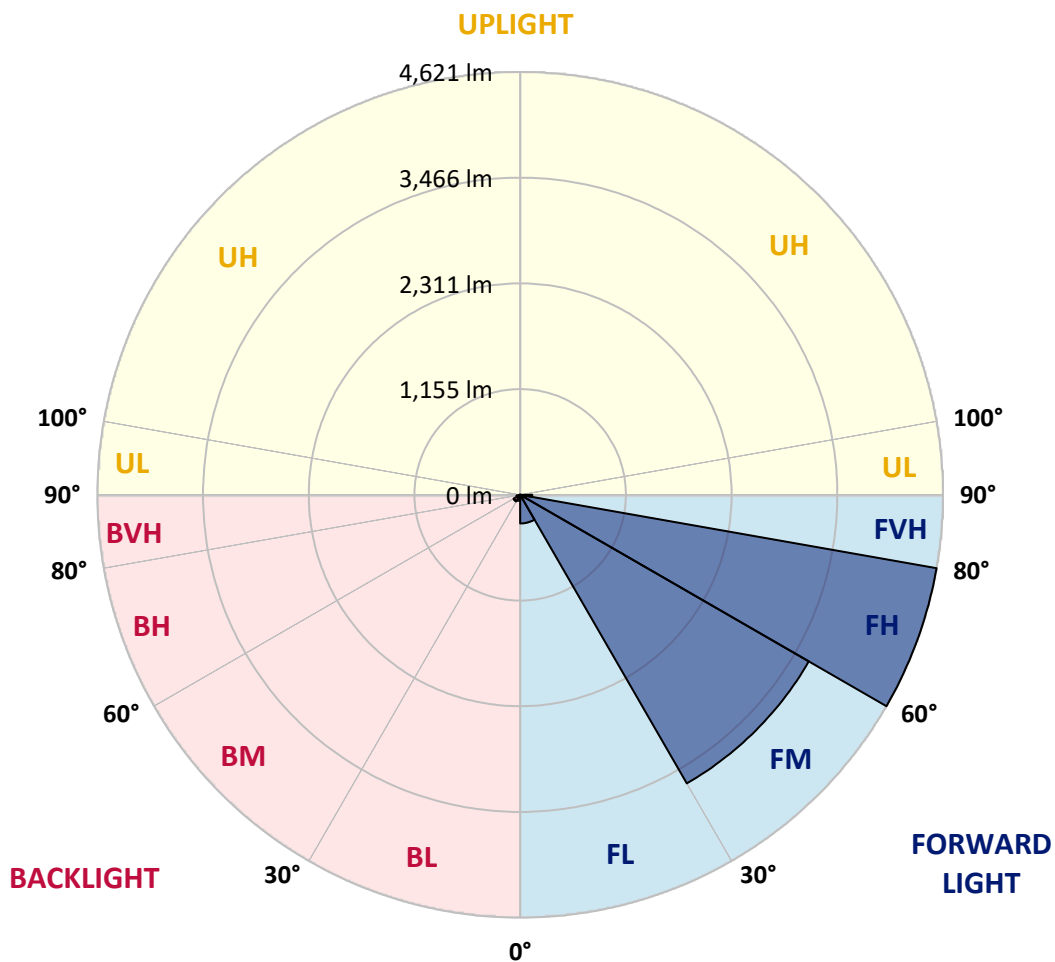
CATALOG NUMBER: ICM-F06-LED-E1-T4-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	313.6	3.5			
FM (30°-60°)	3642.1	40.9			
FH (60°-80°)	4621.5	51.9			G2/5000
FVH (80°-90°)	132.2	1.5			G2/225
BL (0°-30°)	66.0	0.7	B0/110		
BM (30°-60°)	83.8	0.9	B0/220		
BH (60°-80°)	40.9	0.5	B0/110		G0/110
BVH (80°-90°)	11.3	0.1			G1/100
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: P181574

CATALOG NUMBER: ICM-F06-LED-E1-T4-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	222.7	222.7	222.7	222.7	222.7	222.7	222.7	222.7	222.7	222.7	222.7
2.5°	241.1	241.1	241.1	241.1	239.6	238.0	236.6	235.0	233.5	233.5	231.9
5°	273.4	274.9	273.4	271.8	268.7	267.3	262.6	259.5	255.0	253.4	248.8
7.5°	318.0	316.4	318.0	313.3	307.2	305.7	299.5	291.8	285.7	276.5	270.3
10°	382.4	380.9	382.4	373.2	364.0	356.3	345.6	336.4	322.5	311.8	299.5
12.5°	485.3	485.3	482.2	470.0	457.7	440.8	423.9	403.9	379.4	357.9	337.9
15°	643.5	635.8	622.1	614.3	592.8	566.7	548.3	508.4	473.0	439.3	399.4
17.5°	834.0	818.6	807.9	791.0	763.4	729.5	698.8	640.5	605.1	549.9	493.0
20°	1052.1	1033.7	1030.6	1004.5	975.3	938.4	893.9	824.7	764.8	695.7	615.9
22.5°	1274.8	1277.9	1265.6	1247.2	1218.0	1175.0	1105.9	1042.9	969.1	881.6	778.7
25°	1523.5	1522.1	1511.3	1489.8	1468.3	1414.5	1359.3	1299.4	1211.8	1099.7	976.8
27.5°	1757.0	1755.5	1729.4	1730.9	1689.5	1669.5	1615.7	1551.3	1445.2	1351.5	1218.0
30°	2001.2	1985.9	1968.9	1956.7	1927.5	1892.2	1864.6	1787.7	1707.9	1597.3	1488.3
32.5°	2248.5	2231.6	2236.2	2220.9	2197.9	2162.5	2121.0	2058.1	1972.0	1864.6	1763.2
35°	2551.1	2543.4	2531.1	2535.7	2531.1	2505.0	2469.7	2386.7	2293.0	2190.2	2085.7
37.5°	2775.3	2767.6	2775.3	2807.6	2815.3	2832.1	2806.1	2764.6	2696.9	2584.9	2475.8
40°	2982.6	2984.2	3019.6	3059.5	3087.1	3142.3	3151.6	3134.7	3080.9	2978.1	2835.2
42.5°	3168.5	3191.6	3223.8	3289.8	3349.7	3428.0	3486.4	3495.6	3455.7	3388.1	3243.7
45°	3375.8	3395.8	3446.5	3524.9	3607.7	3704.5	3798.2	3847.4	3844.3	3796.7	3641.5
47.5°	3607.7	3633.9	3689.1	3753.7	3864.2	3973.3	4094.6	4182.2	4219.0	4153.0	4002.4
50°	3888.9	3899.6	3947.2	4030.2	4131.5	4257.4	4389.5	4517.0	4589.1	4527.7	4372.6
52.5°	4222.1	4225.1	4269.7	4346.5	4427.9	4566.2	4695.2	4871.8	4965.4	4931.7	4745.8
55°	4679.7	4670.5	4701.3	4767.4	4833.4	4967.0	5096.0	5295.7	5432.4	5435.5	5237.3
57.5°	5304.9	5283.4	5303.4	5355.6	5429.3	5553.7	5716.5	5893.2	6075.9	6063.6	5900.8
60°	6175.8	6168.0	6204.9	6292.5	6418.4	6547.4	6731.8	6969.8	7131.0	7186.4	7015.9
62.5°	6754.7	6776.2	6860.7	6995.9	7238.6	7505.8	7848.3	8212.3	8519.5	8657.7	8422.7
65°	6505.9	6541.2	6673.3	6873.0	7194.0	7594.8	8049.5	8646.9	9176.8	9387.2	9143.0
66°	6295.6	6352.3	6476.8	6688.7	7023.6	7461.3	7935.9	8596.2	9192.1	9428.7	9179.9
67.5°	5931.6	5971.5	6112.8	6347.8	6707.1	7140.2	7653.3	8350.6	9023.2	9273.5	9026.3
70°	5189.7	5205.1	5320.2	5519.9	5797.9	6241.8	6707.1	7378.3	7997.3	8349.0	8078.7
72.5°	3862.7	3884.2	4074.6	4438.6	4799.6	5051.5	5326.4	5863.9	6263.3	6591.9	6539.8
75°	1858.4	1867.6	1995.1	2526.5	3230.0	3531.0	3785.9	4202.2	4354.2	4629.1	4587.7
77.5°	1178.1	1198.0	1280.9	1410.0	1809.2	2167.1	2368.3	2606.3	2650.9	2882.8	2747.6
80°	324.1	376.3	459.3	675.8	1159.5	1382.2	1472.9	1463.7	1472.9	1402.2	1356.2
82.5°	66.0	64.5	78.3	121.3	511.4	804.8	869.3	740.3	735.7	708.0	731.1
85°	16.9	15.3	18.4	38.4	87.5	238.0	299.5	167.4	127.4	121.3	107.5
87.5°	4.7	4.7	4.7	7.7	9.2	12.3	16.9	12.3	9.2	9.2	9.2
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: P181574

CATALOG NUMBER: ICM-F06-LED-E1-T4-HSS

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	222.7	222.7	222.7	222.7	222.7	222.7	222.7	222.7	222.7	222.7	222.7
2.5°	230.4	230.4	228.8	227.4	227.4	225.8	224.3	222.7	221.2	219.6	218.0
5°	244.2	241.1	236.6	233.5	230.4	225.8	222.7	219.6	216.6	215.0	211.9
7.5°	262.6	255.0	248.8	239.6	233.5	227.4	221.2	216.6	211.9	208.8	205.8
10°	285.7	273.4	261.1	248.8	238.0	228.8	219.6	211.9	207.4	202.7	199.6
12.5°	314.9	296.5	279.5	261.1	244.2	230.4	218.0	208.8	202.7	198.1	193.5
15°	362.4	333.3	304.1	276.5	255.0	233.5	216.6	205.8	198.1	193.5	188.9
17.5°	437.7	385.5	339.4	301.0	265.7	238.0	216.6	202.7	193.5	187.3	182.8
20°	546.8	460.7	387.1	331.7	285.7	245.8	216.6	198.1	188.9	181.2	176.7
22.5°	675.8	568.3	466.9	374.8	308.7	256.5	216.6	193.5	182.8	176.7	170.5
25°	864.7	721.9	583.6	454.6	347.1	273.4	221.2	190.4	178.1	170.5	164.4
27.5°	1085.9	913.9	741.9	560.6	405.5	298.0	227.4	187.3	173.6	164.4	158.2
30°	1337.8	1147.3	936.8	701.9	482.2	330.2	238.0	185.9	167.4	158.2	150.5
32.5°	1611.2	1410.0	1179.5	883.2	595.9	379.4	251.9	184.3	161.3	150.5	141.3
35°	1936.8	1749.3	1468.3	1138.1	772.6	463.8	282.6	187.3	155.2	142.8	132.1
37.5°	2293.0	2093.4	1795.5	1408.4	947.6	559.1	305.7	182.8	144.4	132.1	121.3
40°	2652.5	2423.6	2121.0	1692.6	1170.3	675.8	334.8	178.1	133.6	121.3	110.6
42.5°	3002.6	2761.5	2432.9	1984.4	1405.3	814.1	371.7	178.1	126.0	110.6	99.8
45°	3369.7	3079.5	2720.0	2263.8	1638.8	972.2	423.9	176.7	116.7	101.4	89.1
47.5°	3716.8	3372.8	2959.6	2509.6	1889.1	1145.8	483.8	178.1	109.0	92.2	81.4
50°	4045.5	3650.7	3205.3	2729.2	2128.8	1333.1	557.5	179.7	101.4	84.5	73.8
52.5°	4404.9	3967.2	3469.5	2955.0	2365.2	1522.1	643.5	182.8	93.7	76.8	67.5
55°	4850.3	4365.0	3795.1	3231.5	2615.6	1712.5	726.4	185.9	86.0	70.6	61.4
57.5°	5492.3	4939.4	4323.5	3646.2	2947.4	1929.0	812.5	193.5	79.9	66.0	56.8
60°	6536.7	5877.8	5166.6	4368.0	3443.5	2222.4	936.8	210.4	72.2	59.9	53.8
62.5°	7793.0	7000.5	6095.9	5126.7	3910.3	2420.6	1019.8	228.8	66.0	55.3	50.7
65°	8425.8	7427.5	6384.6	5338.6	3970.3	2362.2	986.1	222.7	58.3	49.1	43.0
66°	8444.2	7404.4	6344.7	5292.6	3908.8	2291.5	953.8	219.6	56.8	47.6	39.9
67.5°	8269.2	7206.3	6132.7	5083.8	3727.6	2154.8	895.4	208.8	52.2	43.0	35.3
70°	7404.4	6369.2	5384.8	4415.7	3206.9	1815.4	751.1	184.3	46.0	38.4	32.3
72.5°	5902.4	5059.2	4229.8	3474.2	2492.8	1362.3	592.8	150.5	39.9	33.8	27.6
75°	4122.3	3429.6	2798.3	2259.3	1566.6	815.5	384.0	106.0	33.8	27.6	23.1
77.5°	2300.8	1824.6	1379.2	1050.5	625.1	255.0	127.4	53.8	29.2	21.5	18.4
80°	1170.3	867.7	660.5	486.9	288.7	132.1	64.5	35.3	23.1	16.9	15.3
82.5°	680.4	499.2	397.8	314.9	198.1	99.8	52.2	26.1	15.3	12.3	13.9
85°	152.1	201.2	170.5	144.4	106.0	63.0	36.8	16.9	10.8	10.8	12.3
87.5°	12.3	16.9	15.3	20.0	21.5	20.0	15.3	9.2	7.7	9.2	9.2
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: P181574

CATALOG NUMBER: ICM-F06-LED-E1-T4-HSS

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	222.7	222.7	222.7	222.7	222.7	222.7	222.7	222.7	222.7	222.7	222.7
2.5°	216.6	215.0	215.0	213.5	211.9	211.9	211.9	210.4	211.9	211.9	211.9
5°	210.4	208.8	207.4	205.8	204.3	202.7	202.7	201.2	201.2	201.2	202.7
7.5°	204.3	201.2	199.6	196.6	195.1	193.5	193.5	192.0	192.0	192.0	192.0
10°	196.6	193.5	190.4	188.9	187.3	184.3	184.3	182.8	181.2	181.2	181.2
12.5°	190.4	187.3	184.3	181.2	178.1	176.7	175.1	173.6	172.0	172.0	172.0
15°	184.3	179.7	176.7	173.6	170.5	167.4	165.9	164.4	162.8	161.3	161.3
17.5°	178.1	173.6	168.9	165.9	162.8	159.7	158.2	153.6	153.6	152.1	152.1
20°	170.5	165.9	161.3	158.2	155.2	152.1	149.0	145.9	142.8	141.3	141.3
22.5°	164.4	159.7	155.2	150.5	145.9	141.3	138.2	135.2	133.6	132.1	130.5
25°	158.2	152.1	145.9	141.3	136.7	132.1	129.0	126.0	122.9	121.3	121.3
27.5°	150.5	144.4	138.2	132.1	127.4	122.9	119.8	115.2	113.7	112.1	110.6
30°	142.8	135.2	129.0	122.9	118.2	112.1	109.0	106.0	102.9	102.9	101.4
32.5°	133.6	126.0	119.8	113.7	107.5	102.9	99.8	96.7	95.3	92.2	92.2
35°	124.4	116.7	109.0	102.9	98.3	93.7	90.6	87.5	84.5	83.0	83.0
37.5°	113.7	106.0	99.8	93.7	89.1	84.5	81.4	78.3	76.8	75.3	73.8
40°	101.4	93.7	89.1	84.5	79.9	76.8	72.2	69.1	67.5	66.0	64.5
42.5°	90.6	83.0	79.9	76.8	72.2	69.1	64.5	61.4	58.3	56.8	55.3
45°	81.4	75.3	72.2	69.1	64.5	59.9	56.8	53.8	50.7	49.1	49.1
47.5°	72.2	67.5	64.5	61.4	56.8	53.8	49.1	47.6	44.6	44.6	44.6
50°	66.0	61.4	58.3	55.3	52.2	47.6	44.6	43.0	41.5	41.5	43.0
52.5°	61.4	56.8	53.8	50.7	47.6	44.6	41.5	39.9	39.9	41.5	43.0
55°	56.8	52.2	49.1	46.0	43.0	41.5	38.4	38.4	39.9	41.5	43.0
57.5°	53.8	47.6	44.6	43.0	39.9	38.4	38.4	38.4	39.9	41.5	44.6
60°	49.1	43.0	39.9	39.9	36.8	36.8	36.8	38.4	39.9	43.0	44.6
62.5°	43.0	38.4	36.8	36.8	35.3	35.3	36.8	38.4	41.5	43.0	44.6
65°	36.8	33.8	33.8	33.8	33.8	35.3	36.8	38.4	39.9	43.0	44.6
66°	33.8	32.3	32.3	33.8	33.8	35.3	36.8	38.4	39.9	41.5	43.0
67.5°	32.3	30.7	30.7	32.3	33.8	33.8	35.3	38.4	39.9	41.5	41.5
70°	27.6	27.6	27.6	30.7	32.3	33.8	35.3	36.8	38.4	39.9	41.5
72.5°	24.6	24.6	26.1	27.6	30.7	32.3	33.8	35.3	38.4	39.9	39.9
75°	21.5	21.5	24.6	26.1	29.2	30.7	33.8	35.3	36.8	38.4	38.4
77.5°	18.4	20.0	23.1	26.1	27.6	30.7	32.3	33.8	35.3	36.8	36.8
80°	16.9	20.0	23.1	24.6	26.1	27.6	29.2	32.3	33.8	35.3	36.8
82.5°	16.9	18.4	21.5	23.1	24.6	27.6	29.2	30.7	32.3	33.8	35.3
85°	13.9	16.9	18.4	21.5	23.1	26.1	27.6	27.6	29.2	30.7	32.3
87.5°	10.8	12.3	12.3	15.3	16.9	20.0	23.1	23.1	24.6	26.1	27.6
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: P181574

CATALOG NUMBER: ICM-F06-LED-E1-T4-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	222.7	222.7	222.7	222.7
2.5°	211.9	213.5	213.5	213.5
5°	202.7	202.7	202.7	202.7
7.5°	192.0	192.0	192.0	192.0
10°	181.2	181.2	182.8	181.2
12.5°	172.0	170.5	170.5	170.5
15°	161.3	161.3	159.7	161.3
17.5°	150.5	150.5	149.0	149.0
20°	139.7	139.7	139.7	139.7
22.5°	130.5	129.0	129.0	129.0
25°	119.8	119.8	119.8	119.8
27.5°	110.6	110.6	110.6	110.6
30°	101.4	101.4	99.8	99.8
32.5°	92.2	92.2	92.2	92.2
35°	83.0	83.0	81.4	81.4
37.5°	72.2	72.2	72.2	72.2
40°	63.0	63.0	63.0	63.0
42.5°	55.3	55.3	53.8	53.8
45°	47.6	47.6	47.6	47.6
47.5°	44.6	44.6	44.6	44.6
50°	43.0	44.6	44.6	44.6
52.5°	44.6	44.6	44.6	44.6
55°	44.6	46.0	46.0	46.0
57.5°	44.6	46.0	46.0	47.6
60°	46.0	47.6	47.6	47.6
62.5°	46.0	47.6	47.6	47.6
65°	44.6	46.0	46.0	46.0
66°	44.6	44.6	44.6	46.0
67.5°	43.0	44.6	44.6	44.6
70°	41.5	43.0	43.0	44.6
72.5°	41.5	43.0	43.0	43.0
75°	39.9	39.9	41.5	41.5
77.5°	38.4	38.4	39.9	39.9
80°	36.8	38.4	38.4	38.4
82.5°	35.3	36.8	36.8	36.8
85°	32.3	33.8	33.8	33.8
87.5°	27.6	27.6	29.2	29.2
90°	0.0	0.0	0.0	0.0

(END OF REPORT)