

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: P181567

Luminaire Tested: **ICM-E06-LED-E1-T4-HSS-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181567
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-E06-LED-E1-T4-HSS-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ HOUSE SIDE SHIELD
Light Source: (126) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9110.7 lumens
Efficiency: N/A
Efficacy: 60.5 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

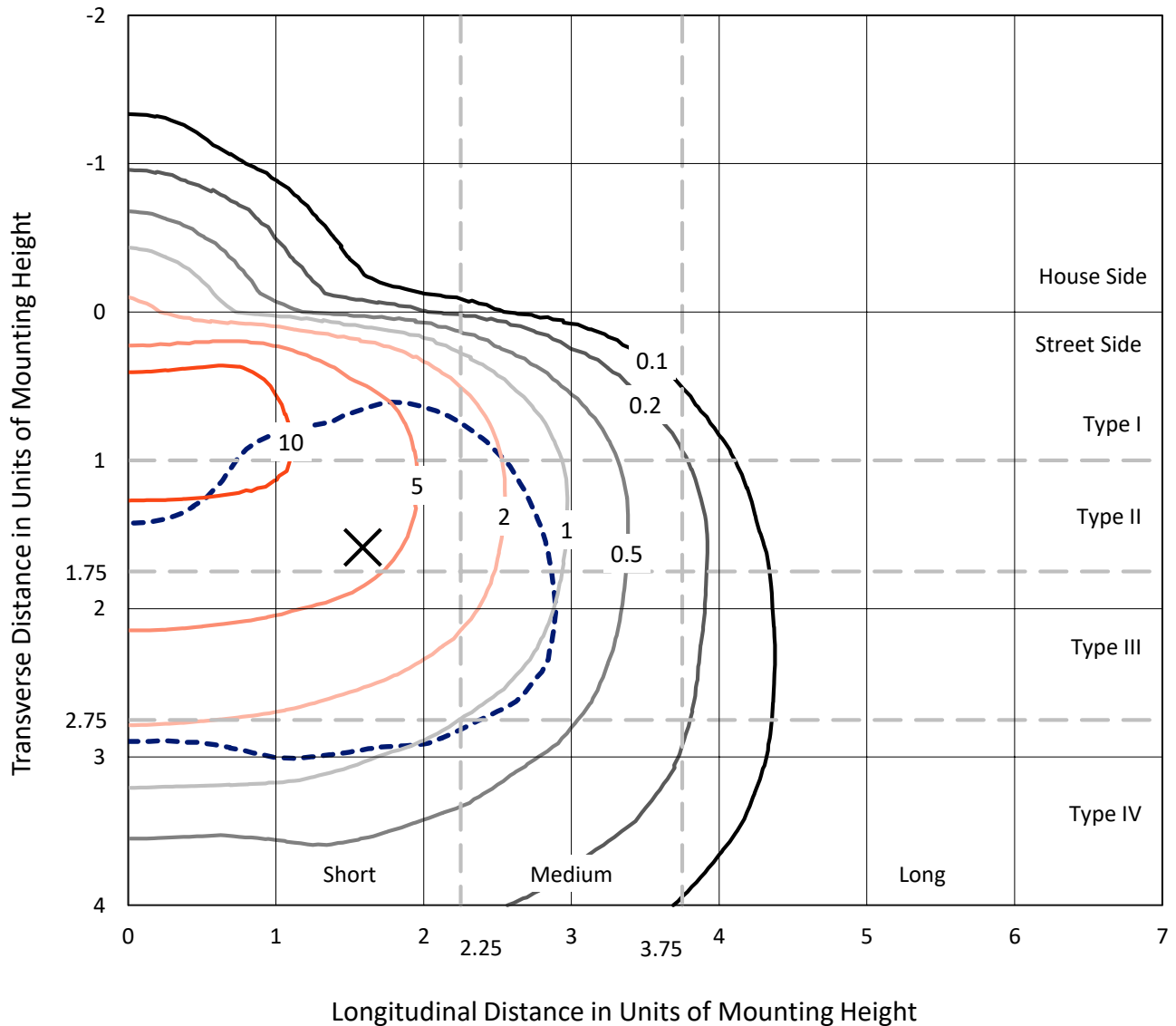
Input Watts (W): 150.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

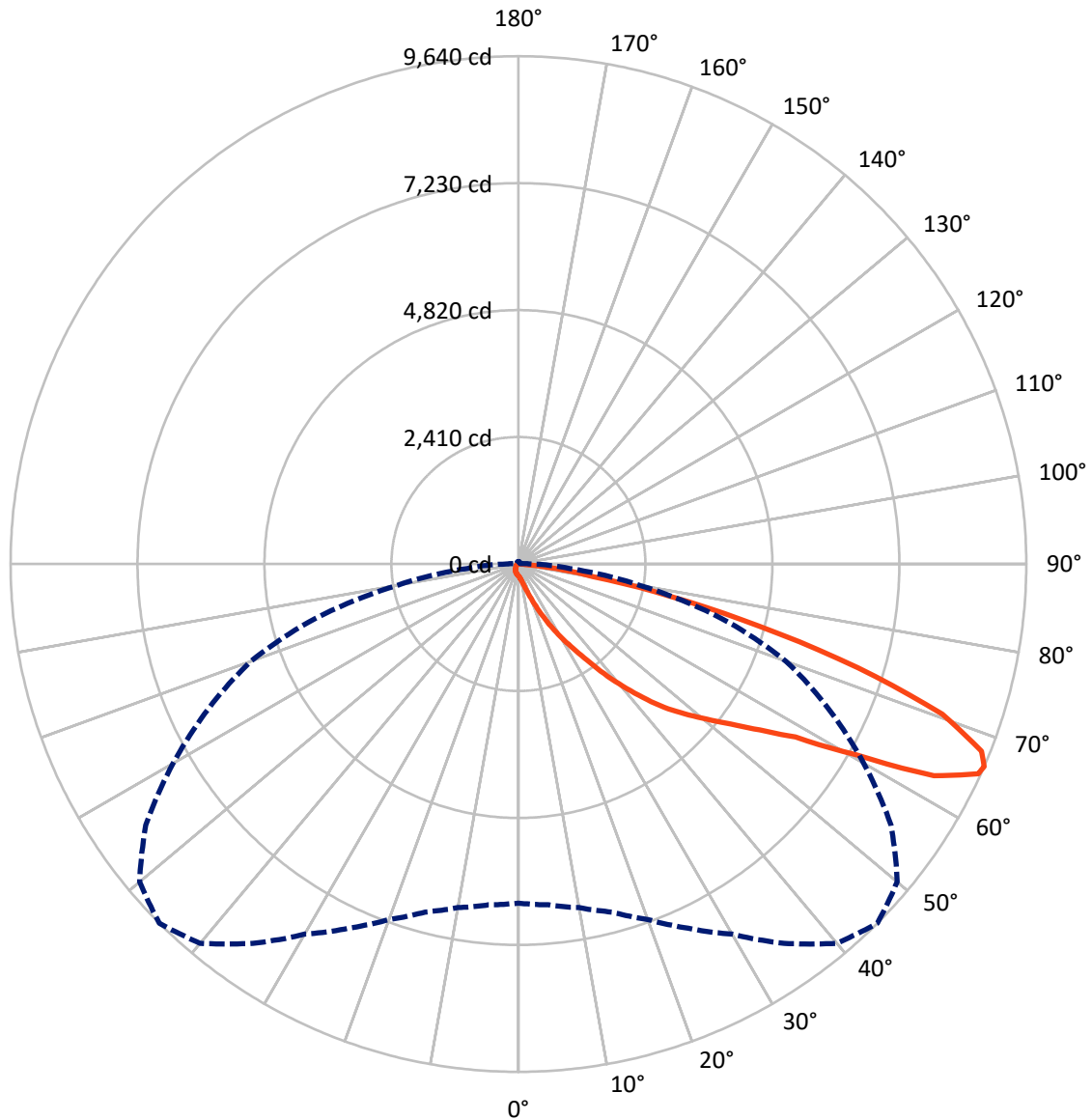
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.5 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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

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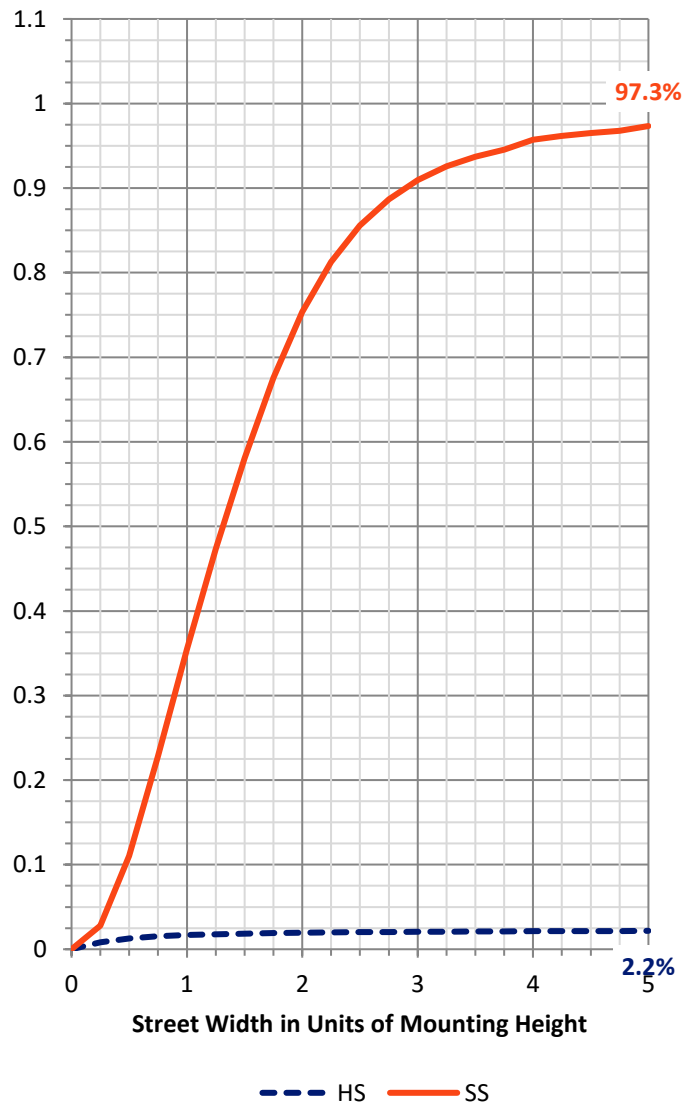
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	206.5	0.0	206.5
	% Fixture	2.3	0.0	2.3
Street Side	Lumens	8904.1	0.0	8904.1
	% Fixture	97.7	0.0	97.7
Total	Lumens	9110.7	0.0	9110.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.9	0.3
10°-20°	92.9	1.0
20°-30°	272.2	3.0
30°-40°	635.8	7.0
40°-50°	1194.3	13.1
50°-60°	1979.1	21.7
60°-70°	3141.8	34.5
70°-80°	1624.8	17.8
80°-90°	146.8	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°	9110.7	100.0
0°-180°	9110.7	100.0



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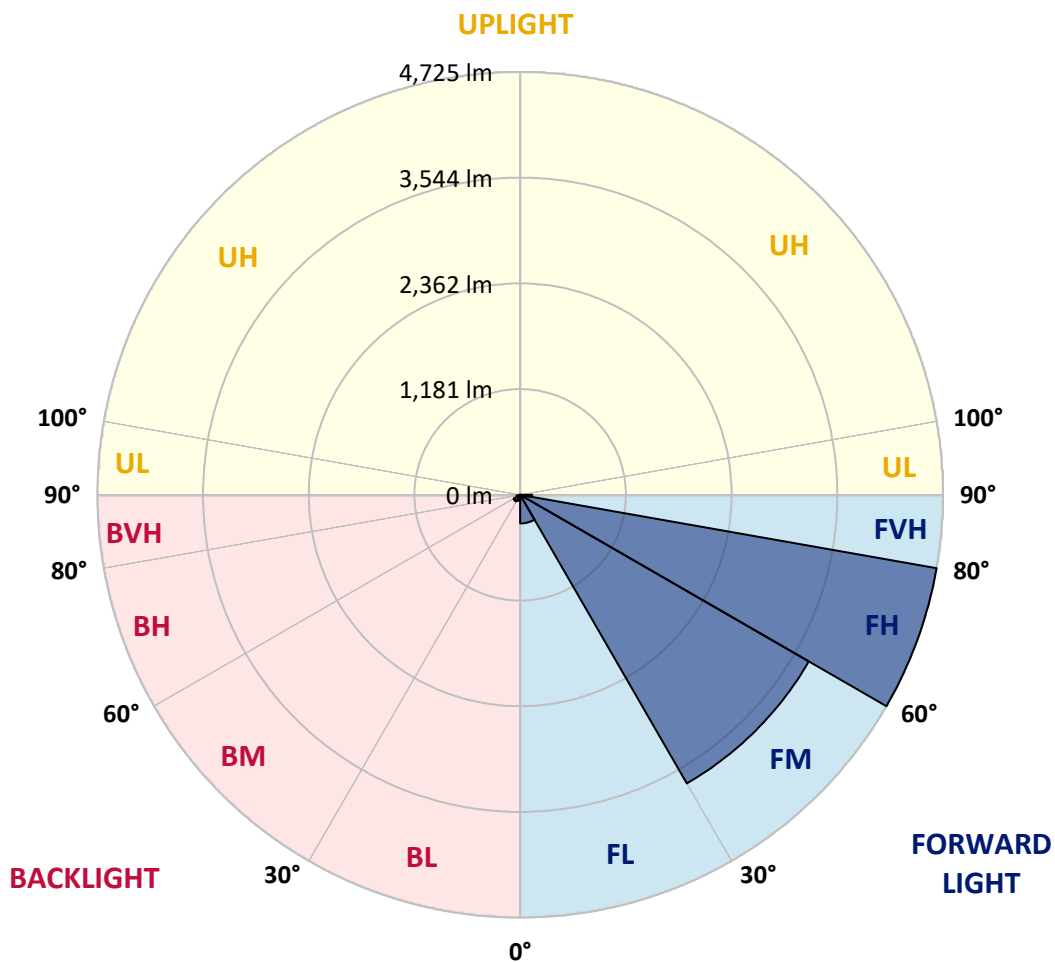
CATALOG NUMBER: ICM-E06-LED-E1-T4-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	320.6	3.5			
FM (30°-60°)	3723.5	40.9			
FH (60°-80°)	4724.9	51.9			G2/5000
FVH (80°-90°)	135.2	1.5			G2/225
BL (0°-30°)	67.4	0.7	B0/110		
BM (30°-60°)	85.7	0.9	B0/220		
BH (60°-80°)	41.8	0.5	B0/110		G0/110
BVH (80°-90°)	11.6	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	227.7	227.7	227.7	227.7	227.7	227.7	227.7	227.7	227.7	227.7	227.7
2.5°	246.5	246.5	246.5	246.5	244.9	243.4	241.8	240.3	238.7	238.7	237.1
5°	279.5	281.0	279.5	278.0	274.8	273.2	268.5	265.4	260.7	259.1	254.4
7.5°	325.0	323.4	325.0	320.3	314.0	312.5	306.2	298.3	292.1	282.6	276.4
10°	391.0	389.4	391.0	381.6	372.2	364.3	353.3	343.9	329.8	318.8	306.2
12.5°	496.2	496.2	493.0	480.5	467.9	450.7	433.4	412.9	387.8	365.9	345.5
15°	658.0	650.1	635.9	628.1	606.1	579.4	560.6	519.7	483.6	449.1	408.3
17.5°	852.7	836.9	826.0	808.7	780.4	745.9	714.4	654.8	618.7	562.1	504.0
20°	1075.6	1056.8	1053.6	1026.9	997.1	959.4	913.9	843.2	782.0	711.4	629.7
22.5°	1303.3	1306.4	1293.9	1275.0	1245.2	1201.2	1130.5	1066.1	990.8	901.3	796.1
25°	1557.7	1556.1	1545.1	1523.1	1501.1	1446.1	1389.7	1328.4	1238.9	1124.3	998.7
27.5°	1796.4	1794.8	1768.1	1769.7	1727.3	1706.8	1651.9	1586.0	1477.6	1381.8	1245.2
30°	2046.0	2030.3	2013.0	2000.5	1970.6	1934.5	1906.2	1827.7	1746.1	1633.0	1521.6
32.5°	2298.8	2281.5	2286.2	2270.5	2247.0	2210.9	2168.5	2104.1	2016.2	1906.2	1802.6
35°	2608.1	2600.3	2587.7	2592.5	2587.7	2561.0	2524.9	2440.1	2344.4	2239.2	2132.4
37.5°	2837.4	2829.5	2837.4	2870.3	2878.3	2895.5	2868.8	2826.4	2757.3	2642.7	2531.2
40°	3049.4	3050.9	3087.1	3127.9	3156.1	3212.7	3222.1	3204.9	3149.9	3044.7	2898.6
42.5°	3239.4	3262.9	3295.9	3363.5	3424.7	3504.8	3564.4	3573.8	3533.0	3463.9	3316.3
45°	3451.4	3471.7	3523.6	3603.6	3688.5	3787.4	3883.2	3933.4	3930.3	3881.6	3723.0
47.5°	3688.5	3715.2	3771.7	3837.6	3950.7	4062.2	4186.3	4275.7	4313.4	4245.9	4092.0
50°	3975.8	3986.8	4035.5	4120.3	4223.9	4352.7	4487.7	4618.1	4691.8	4629.1	4470.4
52.5°	4316.6	4319.7	4365.2	4443.7	4527.0	4668.3	4800.2	4980.8	5076.5	5042.0	4852.0
55°	4784.5	4775.1	4806.4	4874.0	4941.5	5078.1	5210.0	5414.2	5553.9	5557.1	5354.5
57.5°	5423.6	5401.6	5422.0	5475.4	5550.7	5677.9	5844.4	6025.0	6211.9	6199.3	6032.8
60°	6313.9	6306.0	6343.7	6433.2	6562.0	6693.9	6882.3	7125.7	7290.6	7347.1	7172.8
62.5°	6905.8	6927.9	7014.2	7152.4	7400.5	7673.7	8023.9	8396.0	8710.0	8851.4	8611.1
65°	6651.5	6687.6	6822.6	7026.7	7354.9	7764.8	8229.5	8840.3	9382.1	9597.2	9347.6
66°	6436.3	6494.5	6621.6	6838.4	7180.6	7628.1	8113.4	8788.5	9397.8	9639.6	9385.3
67.5°	6064.2	6105.1	6249.5	6489.7	6857.2	7300.0	7824.4	8537.4	9225.1	9481.0	9228.2
70°	5305.8	5321.5	5439.3	5643.4	5927.6	6381.4	6857.2	7543.4	8176.1	8535.8	8259.4
72.5°	3949.1	3971.1	4165.8	4538.0	4906.9	5164.5	5445.5	5995.1	6403.4	6739.4	6686.0
75°	1900.0	1909.4	2039.7	2583.0	3302.2	3610.0	3870.6	4296.1	4451.6	4732.7	4690.3
77.5°	1204.4	1224.8	1309.6	1441.5	1849.7	2215.5	2421.3	2664.7	2710.2	2947.3	2809.1
80°	331.4	384.7	469.5	690.9	1185.5	1413.2	1505.9	1496.4	1505.9	1433.6	1386.5
82.5°	67.5	66.0	80.1	124.1	522.9	822.8	888.7	756.8	752.1	723.9	747.4
85°	17.3	15.7	18.9	39.3	89.5	243.4	306.2	171.2	130.3	124.1	110.0
87.5°	4.7	4.7	4.7	7.8	9.4	12.6	17.3	12.6	9.4	9.4	9.4
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	227.7	227.7	227.7	227.7	227.7	227.7	227.7	227.7	227.7	227.7	227.7
2.5°	235.5	235.5	234.0	232.4	232.4	230.8	229.2	227.7	226.1	224.6	223.0
5°	249.7	246.5	241.8	238.7	235.5	230.8	227.7	224.6	221.4	219.8	216.7
7.5°	268.5	260.7	254.4	244.9	238.7	232.4	226.1	221.4	216.7	213.6	210.4
10°	292.1	279.5	267.0	254.4	243.4	234.0	224.6	216.7	212.0	207.3	204.1
12.5°	321.9	303.1	285.8	267.0	249.7	235.5	223.0	213.6	207.3	202.5	197.9
15°	370.6	340.7	310.9	282.6	260.7	238.7	221.4	210.4	202.5	197.9	193.1
17.5°	447.5	394.1	347.0	307.7	271.6	243.4	221.4	207.3	197.9	191.5	186.9
20°	559.0	471.1	395.7	339.2	292.1	251.3	221.4	202.5	193.1	185.3	180.6
22.5°	690.9	581.0	477.3	383.2	315.6	262.2	221.4	197.9	186.9	180.6	174.3
25°	884.0	738.1	596.7	464.7	354.9	279.5	226.1	194.7	182.1	174.3	168.0
27.5°	1110.1	934.2	758.4	573.1	414.5	304.7	232.4	191.5	177.4	168.0	161.8
30°	1367.6	1172.9	957.9	717.6	493.0	337.6	243.4	190.0	171.2	161.8	153.9
32.5°	1647.2	1441.5	1206.0	902.9	609.2	387.8	257.5	188.5	164.8	153.9	144.5
35°	1980.0	1788.5	1501.1	1163.5	789.9	474.2	288.9	191.5	158.6	146.0	135.1
37.5°	2344.4	2140.2	1835.6	1439.9	968.8	571.5	312.5	186.9	147.6	135.1	124.1
40°	2711.7	2477.8	2168.5	1730.4	1196.5	690.9	342.3	182.1	136.7	124.1	113.0
42.5°	3069.8	2823.3	2487.3	2028.8	1436.8	832.2	380.0	182.1	128.7	113.0	102.0
45°	3445.0	3148.3	2780.9	2314.5	1675.5	994.0	433.4	180.6	119.3	103.6	91.1
47.5°	3799.9	3448.2	3025.8	2565.8	1931.4	1171.4	494.6	182.1	111.4	94.2	83.3
50°	4135.9	3732.4	3277.0	2790.2	2176.3	1363.0	570.0	183.7	103.6	86.3	75.3
52.5°	4503.4	4055.9	3547.2	3021.1	2418.2	1556.1	658.0	186.9	95.8	78.5	69.1
55°	4958.7	4462.5	3880.0	3303.7	2674.1	1750.8	742.7	190.0	87.9	72.2	62.8
57.5°	5615.1	5049.8	4420.2	3727.7	3013.2	1972.2	830.6	197.9	81.7	67.5	58.1
60°	6682.9	6009.2	5282.3	4465.7	3520.5	2272.1	957.9	215.2	73.8	61.2	55.0
62.5°	7967.3	7157.1	6232.2	5241.4	3997.8	2474.7	1042.6	234.0	67.5	56.6	51.8
65°	8614.3	7593.6	6527.4	5458.1	4059.0	2415.0	1008.1	227.7	59.6	50.2	44.0
66°	8633.1	7570.1	6486.6	5411.0	3996.2	2342.8	975.1	224.6	58.1	48.7	40.8
67.5°	8454.1	7367.5	6269.9	5197.4	3810.9	2203.0	915.4	213.6	53.4	44.0	36.1
70°	7570.1	6511.8	5505.2	4514.4	3278.6	1856.0	767.8	188.5	47.1	39.3	32.9
72.5°	6034.4	5172.3	4324.4	3551.8	2548.5	1392.8	606.1	153.9	40.8	34.5	28.3
75°	4214.4	3506.3	2860.9	2309.8	1601.6	833.8	392.6	108.4	34.5	28.3	23.5
77.5°	2352.2	1865.4	1410.1	1074.1	639.1	260.7	130.3	55.0	29.9	22.0	18.9
80°	1196.5	887.2	675.2	497.8	295.2	135.1	66.0	36.1	23.5	17.3	15.7
82.5°	695.6	510.3	406.7	321.9	202.5	102.0	53.4	26.7	15.7	12.6	14.1
85°	155.4	205.7	174.3	147.6	108.4	64.4	37.7	17.3	11.0	11.0	12.6
87.5°	12.6	17.3	15.7	20.4	22.0	20.4	15.7	9.4	7.8	9.4	9.4
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	227.7	227.7	227.7	227.7	227.7	227.7	227.7	227.7	227.7	227.7	227.7
2.5°	221.4	219.8	219.8	218.2	216.7	216.7	216.7	215.2	216.7	216.7	216.7
5°	215.2	213.6	212.0	210.4	208.8	207.3	207.3	205.7	205.7	205.7	207.3
7.5°	208.8	205.7	204.1	201.0	199.4	197.9	197.9	196.3	196.3	196.3	196.3
10°	201.0	197.9	194.7	193.1	191.5	188.5	188.5	186.9	185.3	185.3	185.3
12.5°	194.7	191.5	188.5	185.3	182.1	180.6	179.0	177.4	175.9	175.9	175.9
15°	188.5	183.7	180.6	177.4	174.3	171.2	169.6	168.0	166.4	164.8	164.8
17.5°	182.1	177.4	172.7	169.6	166.4	163.3	161.8	157.0	157.0	155.4	155.4
20°	174.3	169.6	164.8	161.8	158.6	155.4	152.3	149.2	146.0	144.5	144.5
22.5°	168.0	163.3	158.6	153.9	149.2	144.5	141.3	138.1	136.7	135.1	133.5
25°	161.8	155.4	149.2	144.5	139.7	135.1	131.9	128.7	125.6	124.1	124.1
27.5°	153.9	147.6	141.3	135.1	130.3	125.6	122.5	117.8	116.2	114.6	113.0
30°	146.0	138.1	131.9	125.6	120.9	114.6	111.4	108.4	105.2	105.2	103.6
32.5°	136.7	128.7	122.5	116.2	110.0	105.2	102.0	98.9	97.4	94.2	94.2
35°	127.2	119.3	111.4	105.2	100.5	95.8	92.7	89.5	86.3	84.8	84.8
37.5°	116.2	108.4	102.0	95.8	91.1	86.3	83.3	80.1	78.5	76.9	75.3
40°	103.6	95.8	91.1	86.3	81.7	78.5	73.8	70.7	69.1	67.5	66.0
42.5°	92.7	84.8	81.7	78.5	73.8	70.7	66.0	62.8	59.6	58.1	56.6
45°	83.3	76.9	73.8	70.7	66.0	61.2	58.1	55.0	51.8	50.2	50.2
47.5°	73.8	69.1	66.0	62.8	58.1	55.0	50.2	48.7	45.6	45.6	45.6
50°	67.5	62.8	59.6	56.6	53.4	48.7	45.6	44.0	42.4	42.4	44.0
52.5°	62.8	58.1	55.0	51.8	48.7	45.6	42.4	40.8	40.8	42.4	44.0
55°	58.1	53.4	50.2	47.1	44.0	42.4	39.3	39.3	40.8	42.4	44.0
57.5°	55.0	48.7	45.6	44.0	40.8	39.3	39.3	39.3	40.8	42.4	45.6
60°	50.2	44.0	40.8	40.8	37.7	37.7	37.7	39.3	40.8	44.0	45.6
62.5°	44.0	39.3	37.7	37.7	36.1	36.1	37.7	39.3	42.4	44.0	45.6
65°	37.7	34.5	34.5	34.5	34.5	36.1	37.7	39.3	40.8	44.0	45.6
66°	34.5	32.9	32.9	34.5	34.5	36.1	37.7	39.3	40.8	42.4	44.0
67.5°	32.9	31.4	31.4	32.9	34.5	34.5	36.1	39.3	40.8	42.4	42.4
70°	28.3	28.3	28.3	31.4	32.9	34.5	36.1	37.7	39.3	40.8	42.4
72.5°	25.1	25.1	26.7	28.3	31.4	32.9	34.5	36.1	39.3	40.8	40.8
75°	22.0	22.0	25.1	26.7	29.9	31.4	34.5	36.1	37.7	39.3	39.3
77.5°	18.9	20.4	23.5	26.7	28.3	31.4	32.9	34.5	36.1	37.7	37.7
80°	17.3	20.4	23.5	25.1	26.7	28.3	29.9	32.9	34.5	36.1	37.7
82.5°	17.3	18.9	22.0	23.5	25.1	28.3	29.9	31.4	32.9	34.5	36.1
85°	14.1	17.3	18.9	22.0	23.5	26.7	28.3	28.3	29.9	31.4	32.9
87.5°	11.0	12.6	12.6	15.7	17.3	20.4	23.5	23.5	25.1	26.7	28.3
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: P181567

CATALOG NUMBER: ICM-E06-LED-E1-T4-HSS-8030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	227.7	227.7	227.7	227.7
2.5°	216.7	218.2	218.2	218.2
5°	207.3	207.3	207.3	207.3
7.5°	196.3	196.3	196.3	196.3
10°	185.3	185.3	186.9	185.3
12.5°	175.9	174.3	174.3	174.3
15°	164.8	164.8	163.3	164.8
17.5°	153.9	153.9	152.3	152.3
20°	142.9	142.9	142.9	142.9
22.5°	133.5	131.9	131.9	131.9
25°	122.5	122.5	122.5	122.5
27.5°	113.0	113.0	113.0	113.0
30°	103.6	103.6	102.0	102.0
32.5°	94.2	94.2	94.2	94.2
35°	84.8	84.8	83.3	83.3
37.5°	73.8	73.8	73.8	73.8
40°	64.4	64.4	64.4	64.4
42.5°	56.6	56.6	55.0	55.0
45°	48.7	48.7	48.7	48.7
47.5°	45.6	45.6	45.6	45.6
50°	44.0	45.6	45.6	45.6
52.5°	45.6	45.6	45.6	45.6
55°	45.6	47.1	47.1	47.1
57.5°	45.6	47.1	47.1	48.7
60°	47.1	48.7	48.7	48.7
62.5°	47.1	48.7	48.7	48.7
65°	45.6	47.1	47.1	47.1
66°	45.6	45.6	45.6	47.1
67.5°	44.0	45.6	45.6	45.6
70°	42.4	44.0	44.0	45.6
72.5°	42.4	44.0	44.0	44.0
75°	40.8	40.8	42.4	42.4
77.5°	39.3	39.3	40.8	40.8
80°	37.7	39.3	39.3	39.3
82.5°	36.1	37.7	37.7	37.7
85°	32.9	34.5	34.5	34.5
87.5°	28.3	28.3	29.9	29.9
90°	0.0	0.0	0.0	0.0

(END OF REPORT)