

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: P180597

Luminaire Tested: **ICM-E05-LED-E1-SL3-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180597
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33727)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-E05-LED-E1-SL3-HSS-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (105) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7365.6 lumens
Efficiency: N/A
Efficacy: 57.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

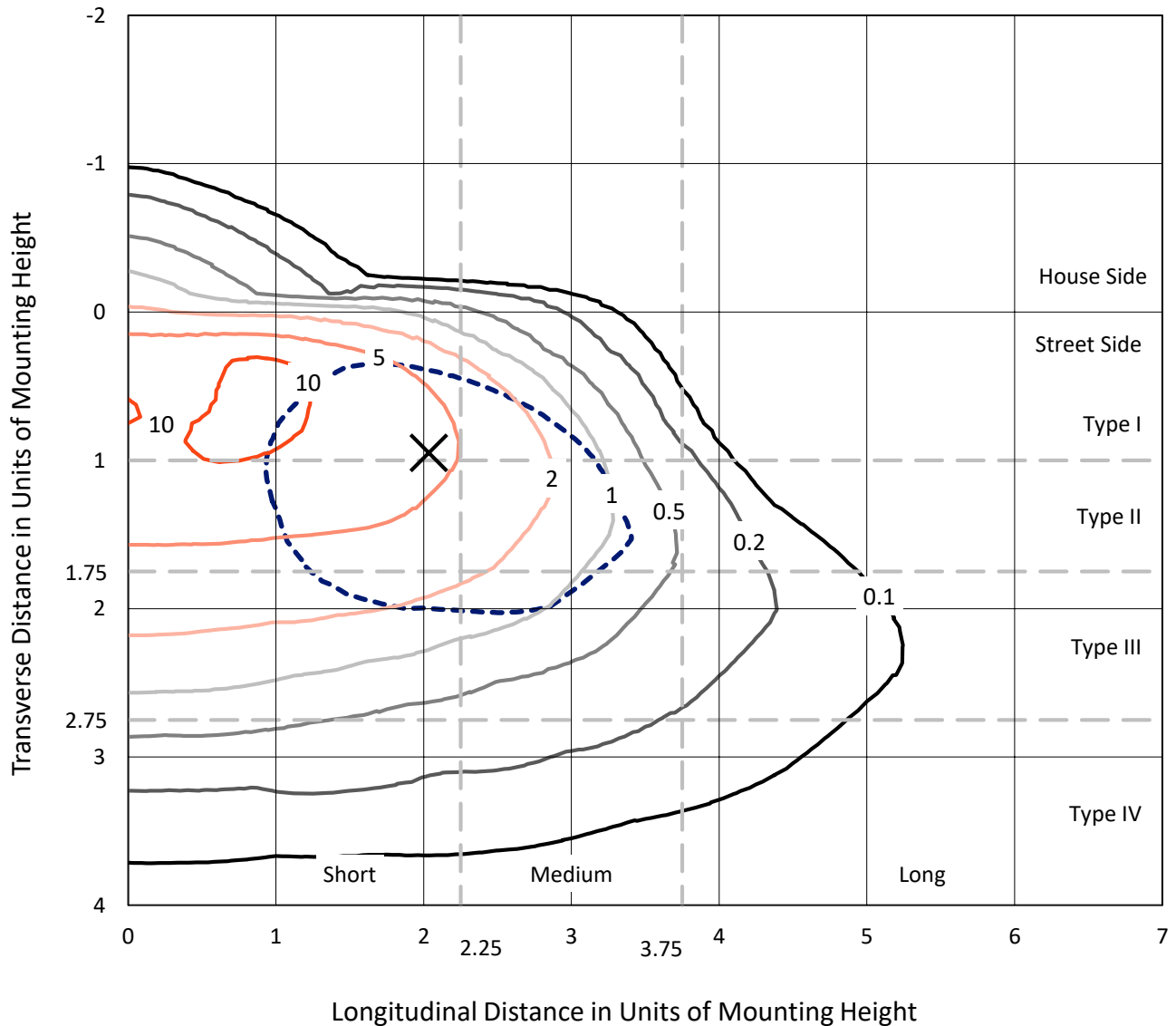
Input Watts (W): 127.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P180597
 CATALOG NUMBER: ICM-E05-LED-E1-SL3-HSS-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

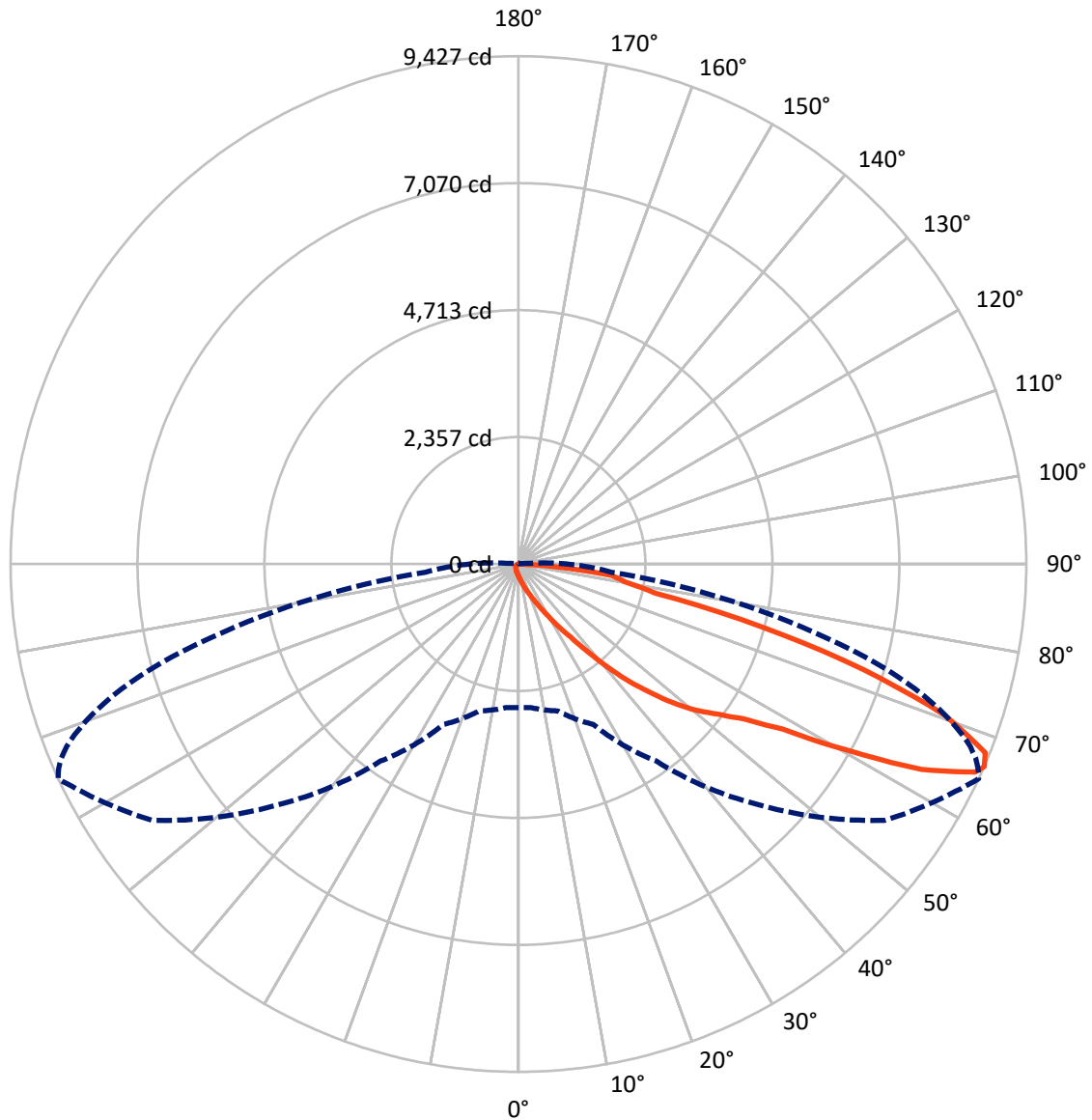


Based on 10 foot mounting height. Maximum calculated value = 12.2 fc
 Type III - Short - Non-Cutoff

REPORT NUMBER: P180597

CATALOG NUMBER: ICM-E05-LED-E1-SL3-HSS-7030

Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

REPORT NUMBER: P180597

CATALOG NUMBER: ICM-E05-LED-E1-SL3-HSS-7030

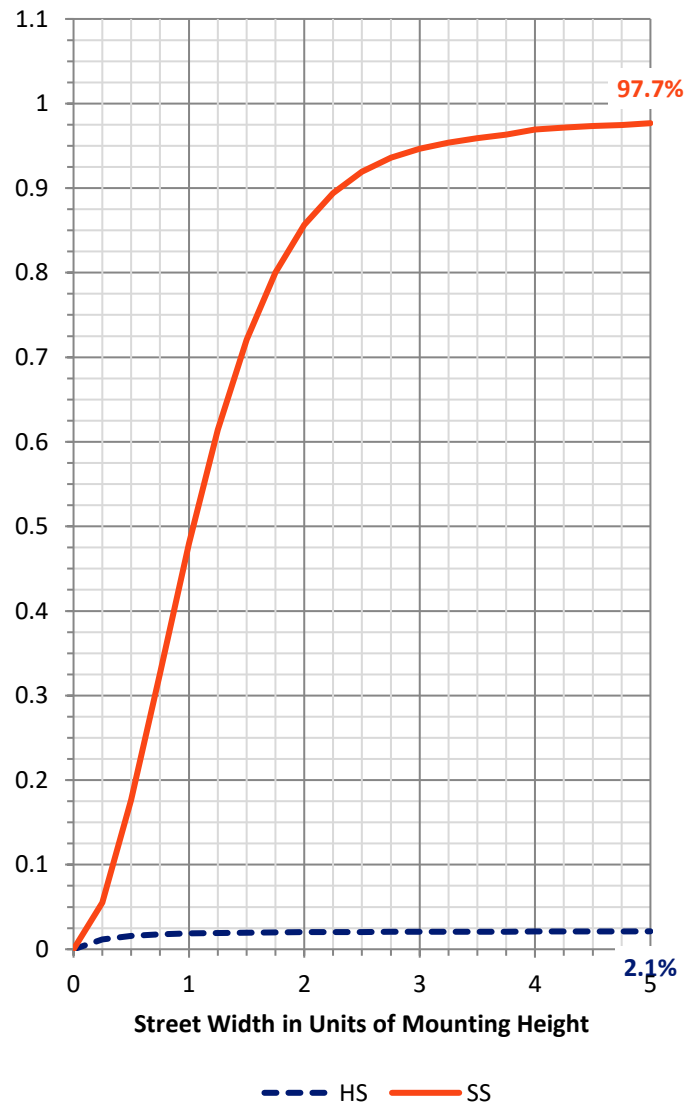
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	159.6	0.0	159.6
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	7206.0	0.0	7206.0
	% Fixture	97.8	0.0	97.8
Total	Lumens	7365.6	0.0	7365.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.9	0.3
10°-20°	105.5	1.4
20°-30°	227.6	3.1
30°-40°	486.1	6.6
40°-50°	1074.9	14.6
50°-60°	1821.6	24.7
60°-70°	2430.8	33.0
70°-80°	1070.8	14.5
80°-90°	123.3	1.7
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°	7365.6	100.0
0°-180°	7365.6	100.0



REPORT NUMBER: P180597

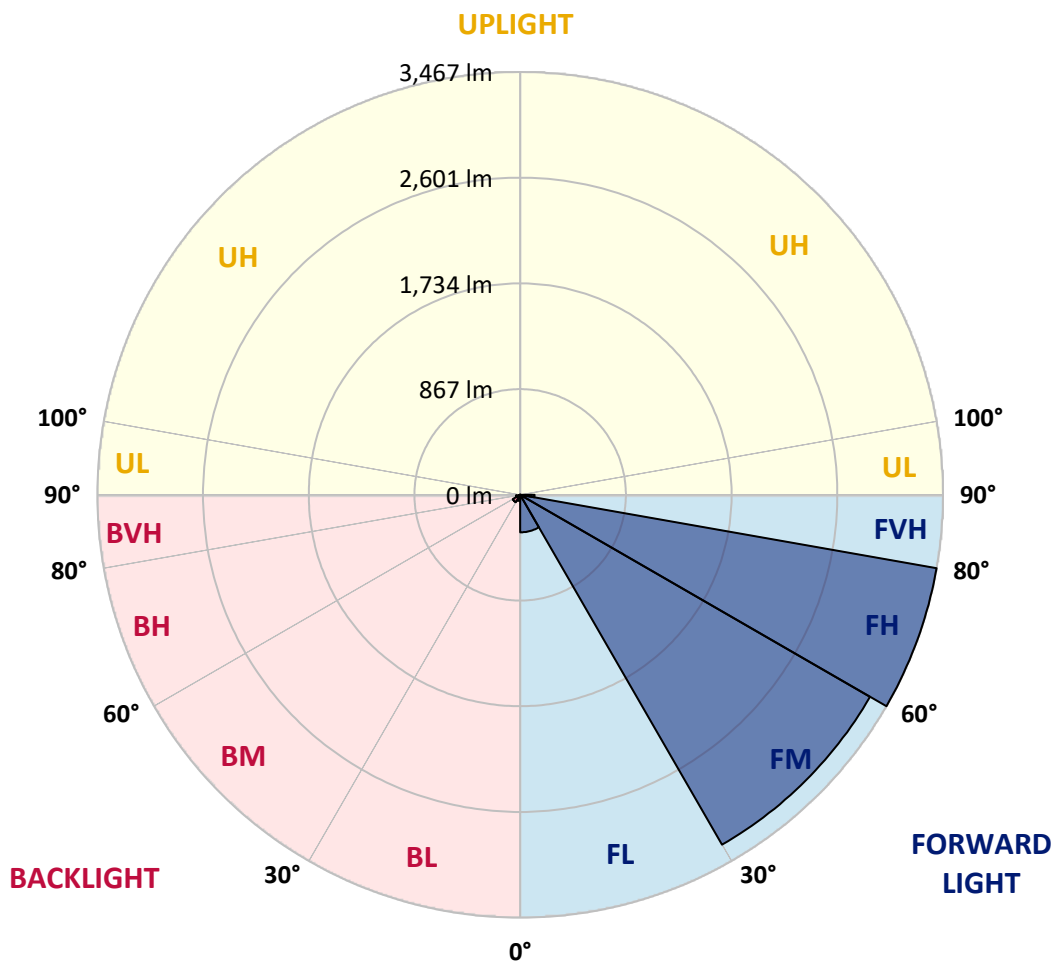
CATALOG NUMBER: ICM-E05-LED-E1-SL3-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	307.7	4.2			
FM	(30°-60°)	3312.5	45.0			
FH	(60°-80°)	3467.3	47.1			G2/5000
FVH	(80°-90°)	118.4	1.6			G2/225
BL	(0°-30°)	50.4	0.7	B0/110		
BM	(30°-60°)	70.1	1.0	B0/220		
BH	(60°-80°)	34.2	0.5	B0/110		G0/110
BVH	(80°-90°)	4.9	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 III Short





REPORT NUMBER: P180597

CATALOG NUMBER: ICM-E05-LED-E1-SL3-HSS-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	222.3	222.3	222.3	222.3	222.3	222.3	222.3	222.3	222.3	222.3	222.3
2.5°	280.4	279.0	273.3	273.3	264.8	259.2	252.1	244.9	244.9	243.5	242.1
5°	371.0	362.5	361.1	345.5	332.7	314.3	297.4	274.7	271.9	269.0	267.6
7.5°	471.5	470.1	457.4	439.0	413.5	379.5	345.5	308.7	303.1	300.2	294.5
10°	601.9	594.7	577.8	546.6	508.4	463.1	407.8	349.8	342.7	337.0	334.2
12.5°	726.4	713.7	703.8	664.1	616.0	549.4	482.9	399.4	393.7	386.6	375.3
15°	842.5	831.3	814.2	780.3	726.4	642.9	565.0	463.1	448.9	439.0	430.5
17.5°	933.2	926.1	906.2	868.0	810.0	736.4	642.9	528.2	516.8	504.1	488.6
20°	1019.5	1009.7	978.5	926.1	863.8	807.2	734.9	613.1	597.6	582.0	565.0
22.5°	1101.7	1091.8	1040.8	954.4	887.9	863.8	838.3	709.4	685.4	672.7	655.6
25°	1216.4	1195.2	1115.8	978.5	889.3	907.7	951.6	834.1	811.4	793.0	766.1
27.5°	1370.7	1342.4	1217.8	1013.9	895.0	955.8	1081.9	985.6	961.5	940.3	910.5
30°	1544.9	1526.5	1377.8	1098.9	936.0	1026.6	1227.7	1178.1	1149.9	1124.4	1088.9
32.5°	1720.5	1695.0	1547.7	1260.3	1046.4	1164.0	1410.4	1401.9	1365.0	1341.0	1302.8
35°	1874.9	1862.2	1753.0	1525.1	1298.5	1404.8	1654.0	1663.8	1631.3	1605.8	1563.4
37.5°	1979.6	1979.6	1958.4	1809.7	1699.3	1778.5	2012.2	2013.6	1981.0	1923.0	1901.8
40°	2033.5	2049.0	2125.5	2153.8	2148.2	2250.2	2482.3	2456.9	2430.0	2400.2	2329.4
42.5°	2143.9	2158.1	2320.9	2516.3	2643.7	2778.3	2938.3	2929.8	2897.2	2843.5	2778.3
45°	2330.8	2349.2	2543.3	2853.3	3115.4	3306.5	3408.5	3368.8	3336.2	3285.2	3251.3
47.5°	2568.8	2604.1	2823.6	3207.4	3523.2	3838.9	3945.1	3840.3	3812.0	3772.4	3717.1
50°	2822.2	2856.2	3089.9	3528.8	3885.7	4262.4	4439.4	4262.4	4221.2	4208.5	4146.2
52.5°	3041.7	3070.0	3295.2	3776.6	4163.2	4605.1	4862.7	4629.1	4599.4	4556.9	4511.6
55°	3171.9	3194.6	3405.6	3895.6	4351.6	4913.7	5271.9	5066.6	5022.7	5005.8	4940.6
57.5°	3215.8	3238.5	3428.3	3911.2	4453.5	5195.5	5769.0	5776.1	5723.7	5662.8	5643.0
60°	3215.8	3241.3	3401.3	3873.0	4552.6	5495.8	6431.8	7022.2	6909.0	6897.6	6825.3
62.5°	3082.7	3106.8	3268.3	3755.4	4685.7	5900.7	7355.0	8397.2	8364.6	8291.0	8172.1
65°	2793.9	2808.0	2966.6	3455.2	4634.7	6273.2	8155.0	9312.0	9259.6	9115.1	8962.2
66°	2663.6	2674.9	2823.6	3283.8	4467.7	6324.1	8296.7	9426.7	9340.3	9218.6	9045.7
67.5°	2475.3	2495.1	2599.9	2965.2	4066.9	6147.1	8207.5	9346.0	9270.9	9123.7	8950.8
70°	1652.6	1638.3	2008.0	2275.6	3098.3	5008.6	7363.5	8391.6	8393.0	8323.6	8254.2
72.5°	784.5	793.0	900.7	1400.5	2027.8	3346.2	5861.1	6697.9	6794.3	6669.6	6583.2
75°	563.6	576.4	641.5	856.7	1209.3	2008.0	3799.3	4684.3	4687.1	4466.3	4269.4
77.5°	164.3	171.3	240.7	528.2	906.2	1355.2	2182.2	2604.1	2543.3	2384.7	2235.9
80°	68.0	68.0	70.8	168.5	363.9	920.5	1526.5	2005.1	1998.1	1937.1	1849.4
82.5°	25.5	26.9	34.0	69.4	86.4	226.6	1018.1	1740.3	1736.1	1649.7	1587.4
85°	2.8	2.8	8.5	29.8	32.6	42.5	203.9	767.5	763.3	767.5	672.7
87.5°	0.0	0.0	1.4	2.8	4.3	5.7	8.5	29.8	32.6	31.2	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: P180597

CATALOG NUMBER: ICM-E05-LED-E1-SL3-HSS-7030

CANDELA DISTRIBUTION (continued):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	222.3	222.3	222.3	222.3	222.3	222.3	222.3	222.3	222.3	222.3	222.3
2.5°	242.1	239.4	239.4	237.9	237.9	237.9	236.5	235.1	235.1	233.7	232.2
5°	264.8	262.0	260.6	257.7	256.3	254.9	252.1	250.6	247.8	246.4	244.9
7.5°	291.7	286.0	284.7	280.4	276.1	273.3	270.4	266.2	263.4	257.7	256.3
10°	325.7	318.6	312.9	307.3	303.1	296.0	291.7	286.0	280.4	276.1	271.9
12.5°	369.6	359.7	351.2	345.5	335.6	327.1	318.6	314.3	303.1	297.4	290.3
15°	417.8	406.4	396.5	385.2	378.0	363.9	352.6	339.8	334.2	324.3	312.9
17.5°	480.0	461.7	446.0	434.7	420.6	406.4	393.7	380.9	363.9	352.6	338.4
20°	546.6	531.0	509.8	490.0	472.9	456.0	437.6	420.6	405.0	386.6	369.6
22.5°	631.5	608.9	583.4	563.6	540.9	522.5	497.0	474.4	448.9	424.8	405.0
25°	739.2	709.4	685.4	657.0	630.1	601.9	570.7	542.3	509.8	487.2	453.1
27.5°	872.3	844.0	811.4	774.6	747.6	705.2	664.1	628.7	590.5	555.1	516.8
30°	1042.2	1001.1	967.2	931.7	878.0	836.9	788.7	740.6	688.2	652.8	594.7
32.5°	1246.1	1202.2	1151.3	1100.3	1050.7	992.7	933.2	873.7	815.6	750.5	691.1
35°	1495.4	1443.0	1384.9	1329.7	1253.2	1190.9	1115.8	1033.7	968.6	893.5	818.5
37.5°	1825.3	1738.9	1687.9	1629.9	1526.5	1441.6	1358.0	1275.8	1161.1	1081.9	975.6
40°	2238.8	2187.8	2104.3	2010.8	1917.3	1805.5	1692.2	1583.2	1450.1	1339.5	1216.4
42.5°	2724.5	2649.4	2564.5	2430.0	2335.1	2203.4	2074.5	1930.1	1767.3	1625.6	1481.2
45°	3180.5	3091.3	3026.1	2891.6	2792.5	2636.7	2480.9	2328.0	2139.6	1957.0	1789.9
47.5°	3673.2	3599.6	3492.0	3383.0	3282.4	3106.8	2938.3	2752.9	2554.5	2337.9	2121.2
50°	4106.5	4048.5	3974.9	3843.2	3731.3	3584.0	3385.8	3183.3	2932.7	2717.4	2471.0
52.5°	4474.7	4429.4	4326.1	4232.6	4132.0	3993.2	3816.3	3622.3	3351.8	3115.4	2834.9
55°	4909.4	4876.9	4786.3	4728.2	4639.0	4505.9	4340.2	4160.4	3874.3	3616.6	3299.4
57.5°	5621.7	5596.2	5517.0	5492.9	5405.1	5289.0	5085.1	4892.5	4558.3	4238.3	3875.7
60°	6801.3	6750.4	6634.2	6574.7	6389.2	6233.4	5968.7	5703.8	5300.3	4892.5	4456.3
62.5°	8064.4	7921.4	7700.5	7510.7	7247.4	6976.9	6622.9	6217.9	5745.0	5260.7	4759.4
65°	8745.5	8502.0	8223.0	7921.4	7580.1	7182.3	6736.1	6250.5	5742.1	5230.9	4701.3
66°	8823.4	8548.7	8252.8	7917.2	7537.6	7114.3	6661.2	6151.4	5623.2	5124.7	4595.1
67.5°	8725.7	8438.3	8125.4	7752.9	7342.3	6903.3	6427.5	5897.9	5389.5	4883.9	4368.5
70°	8041.8	7755.8	7476.8	7084.5	6646.9	6205.2	5754.8	5162.9	4681.5	4217.0	3758.3
72.5°	6421.8	6227.9	5951.7	5616.0	5189.8	4671.6	4296.3	3766.7	3349.0	2898.6	2543.3
75°	4013.1	3739.8	3398.5	2970.9	2645.2	2224.7	2005.1	1603.0	1365.0	1156.9	955.8
77.5°	2051.8	1846.5	1607.3	1366.5	1135.6	906.2	700.9	495.6	334.2	232.2	172.7
80°	1695.0	1513.8	1315.5	1096.0	892.1	692.5	498.4	339.8	216.7	141.6	110.4
82.5°	1400.5	1247.5	1070.5	866.6	689.6	543.7	378.0	246.4	152.9	99.2	77.9
85°	596.2	540.9	417.8	331.4	249.2	184.1	128.8	86.4	60.9	49.6	45.3
87.5°	25.5	28.3	26.9	21.2	15.5	15.5	14.1	11.3	11.3	11.3	11.3
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: P180597

CATALOG NUMBER: ICM-E05-LED-E1-SL3-HSS-7030

CANDELA DISTRIBUTION (continued):

	80°	81°	82°	83°	84°	85°	95°	105°	115°	125°	135°
0°	222.3	222.3	222.3	222.3	222.3	222.3	222.3	222.3	222.3	222.3	222.3
2.5°	232.2	230.8	229.4	229.4	228.0	226.6	218.0	211.0	202.5	196.8	191.2
5°	242.1	240.7	237.9	236.5	233.7	232.2	213.9	198.2	185.5	175.6	168.5
7.5°	252.1	250.6	246.4	242.1	240.7	237.9	208.2	188.4	171.3	160.0	152.9
10°	264.8	260.6	256.3	250.6	246.4	242.1	202.5	177.0	158.6	148.7	141.6
12.5°	283.3	276.1	269.0	262.0	256.3	249.2	199.6	167.1	148.7	137.4	130.2
15°	304.5	294.5	286.0	277.6	267.6	260.6	194.0	158.6	140.2	128.8	120.4
17.5°	324.3	312.9	300.2	287.4	277.6	267.6	188.4	150.1	131.7	120.4	111.9
20°	352.6	335.6	320.0	304.5	290.3	277.6	179.8	141.6	124.7	111.9	103.3
22.5°	383.7	363.9	344.1	322.9	304.5	287.4	172.7	134.5	117.5	104.7	94.9
25°	423.4	399.4	372.5	345.5	324.3	301.6	165.7	127.4	110.4	97.7	87.8
27.5°	478.6	444.7	414.9	380.9	348.4	322.9	160.0	121.8	103.3	90.6	80.7
30°	553.7	504.1	457.4	420.6	382.3	345.5	154.3	114.7	97.7	83.5	72.2
32.5°	637.2	579.2	525.4	470.1	422.0	379.5	148.7	109.0	90.6	76.5	66.5
35°	740.6	667.0	594.7	531.0	472.9	416.3	143.0	103.3	84.9	69.4	59.4
37.5°	889.3	797.2	702.3	620.2	545.2	470.1	138.8	97.7	77.9	62.3	52.4
40°	1093.2	974.2	858.1	746.2	648.6	555.1	133.1	92.0	72.2	56.7	46.7
42.5°	1314.1	1169.7	1016.8	890.7	756.2	638.6	127.4	86.4	66.5	51.0	41.0
45°	1588.8	1408.9	1223.4	1052.1	887.9	736.4	121.8	80.7	59.4	45.3	35.4
47.5°	1889.0	1659.6	1450.1	1234.8	1039.4	858.1	114.7	76.5	53.8	39.6	31.2
50°	2197.7	1955.5	1690.8	1445.8	1213.6	979.9	107.6	69.4	48.2	35.4	25.5
52.5°	2530.5	2244.5	1974.0	1669.5	1399.1	1139.9	100.6	63.7	43.9	31.2	21.2
55°	2953.9	2633.9	2316.7	1975.4	1649.7	1325.4	93.5	56.7	38.2	26.9	17.0
57.5°	3486.3	3106.8	2717.4	2332.2	1937.1	1569.0	87.8	49.6	32.6	22.7	14.1
60°	3989.0	3545.8	3074.3	2631.0	2184.9	1755.9	79.3	43.9	28.3	18.4	14.1
62.5°	4249.6	3744.0	3235.6	2747.2	2271.4	1822.4	70.8	36.8	24.1	15.5	12.7
65°	4185.9	3670.4	3177.6	2684.9	2219.0	1780.0	62.3	32.6	21.2	14.1	12.7
66°	4093.8	3584.0	3088.4	2619.7	2175.1	1734.7	58.0	31.2	19.8	14.1	11.3
67.5°	3892.8	3399.9	2927.0	2490.8	2054.7	1648.3	52.4	28.3	18.4	12.7	11.3
70°	3324.9	2877.4	2499.4	2111.4	1755.9	1389.1	42.5	24.1	15.5	11.3	11.3
72.5°	2200.6	1896.1	1644.0	1414.6	1182.4	917.6	35.4	19.8	12.7	11.3	10.0
75°	829.8	750.5	644.3	579.2	505.5	443.3	28.3	12.7	10.0	10.0	10.0
77.5°	147.3	135.9	120.4	110.4	102.0	93.5	22.7	8.5	8.5	10.0	10.0
80°	99.2	92.0	83.5	76.5	70.8	63.7	15.5	7.1	8.5	8.5	10.0
82.5°	70.8	66.5	62.3	56.7	52.4	46.7	10.0	7.1	8.5	8.5	8.5
85°	42.5	39.6	36.8	34.0	29.8	28.3	7.1	7.1	7.1	8.5	8.5
87.5°	11.3	10.0	11.3	11.3	8.5	10.0	5.7	5.7	5.7	7.1	7.1
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: P180597

CATALOG NUMBER: ICM-E05-LED-E1-SL3-HSS-7030

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	222.3	222.3	222.3	222.3	222.3
2.5°	188.4	188.4	185.5	189.8	189.8
5°	162.9	162.9	161.4	162.9	162.9
7.5°	148.7	147.3	147.3	147.3	148.7
10°	135.9	134.5	134.5	134.5	134.5
12.5°	124.7	123.2	121.8	123.2	123.2
15°	114.7	111.9	111.9	111.9	111.9
17.5°	106.2	103.3	102.0	102.0	102.0
20°	97.7	93.5	93.5	93.5	93.5
22.5°	89.2	84.9	84.9	84.9	84.9
25°	80.7	76.5	76.5	76.5	76.5
27.5°	73.7	69.4	69.4	69.4	69.4
30°	65.1	62.3	62.3	63.7	62.3
32.5°	59.4	55.3	55.3	56.7	56.7
35°	52.4	49.6	49.6	49.6	49.6
37.5°	45.3	42.5	42.5	42.5	42.5
40°	39.6	36.8	35.4	36.8	36.8
42.5°	34.0	31.2	29.8	29.8	29.8
45°	29.8	25.5	24.1	25.5	25.5
47.5°	24.1	21.2	21.2	22.7	22.7
50°	18.4	18.4	19.8	22.7	22.7
52.5°	17.0	17.0	19.8	22.7	22.7
55°	15.5	17.0	19.8	21.2	22.7
57.5°	14.1	17.0	19.8	21.2	21.2
60°	14.1	15.5	18.4	21.2	21.2
62.5°	12.7	14.1	17.0	19.8	19.8
65°	12.7	14.1	17.0	19.8	19.8
66°	12.7	14.1	17.0	19.8	19.8
67.5°	12.7	14.1	17.0	19.8	19.8
70°	12.7	14.1	17.0	18.4	18.4
72.5°	11.3	12.7	15.5	18.4	18.4
75°	11.3	12.7	15.5	18.4	18.4
77.5°	11.3	12.7	15.5	18.4	18.4
80°	11.3	12.7	15.5	17.0	18.4
82.5°	10.0	12.7	14.1	17.0	17.0
85°	10.0	11.3	14.1	15.5	17.0
87.5°	8.5	10.0	11.3	14.1	14.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)