

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: P180602

Luminaire Tested: **ICM-F05-LED-E1-SL3-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180602
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-F05-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: (35) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6080.5 lumens
Efficiency: N/A
Efficacy: 45.6 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): 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

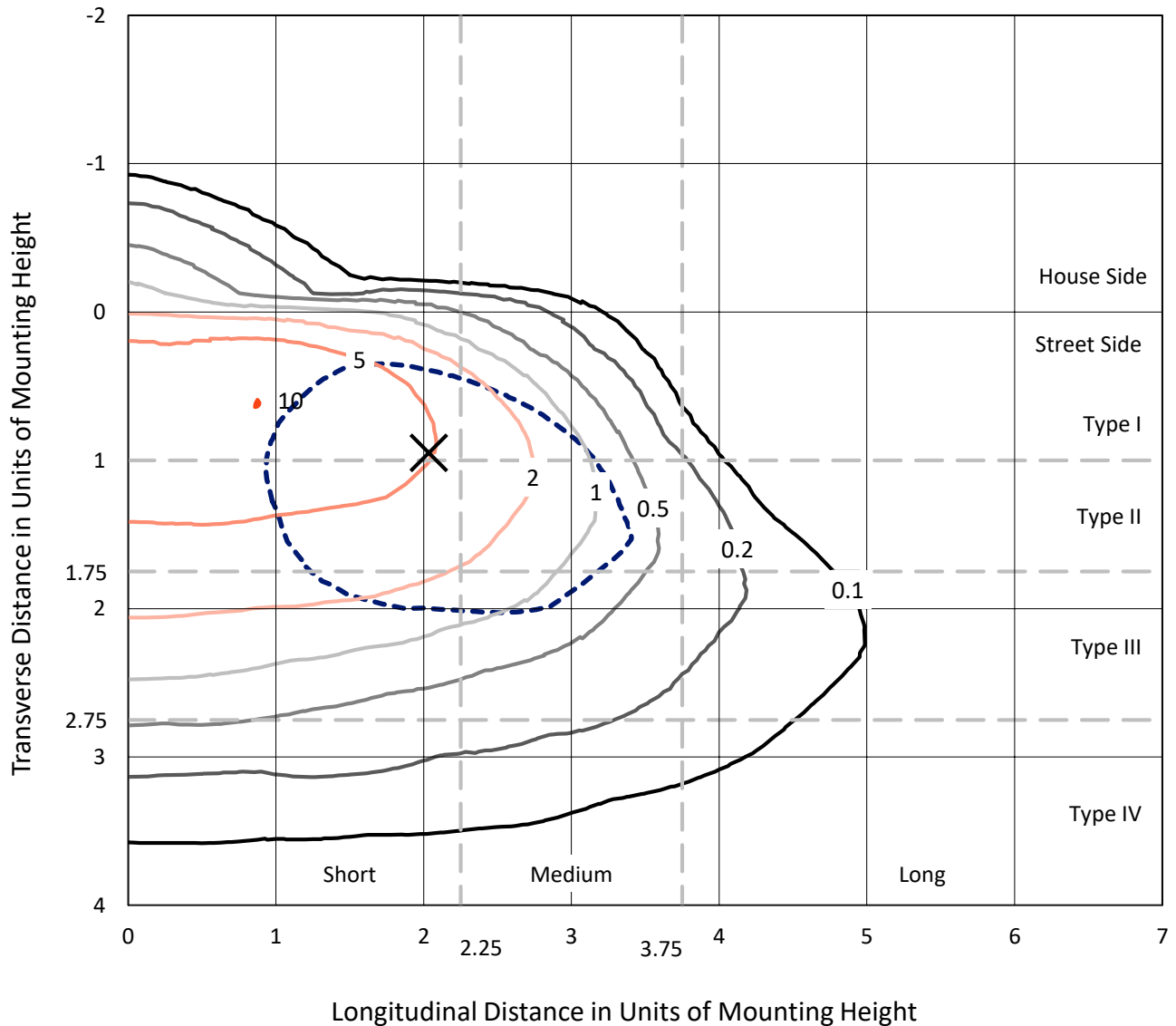


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Iso-Footcandle Lines of Horizontal Illumination

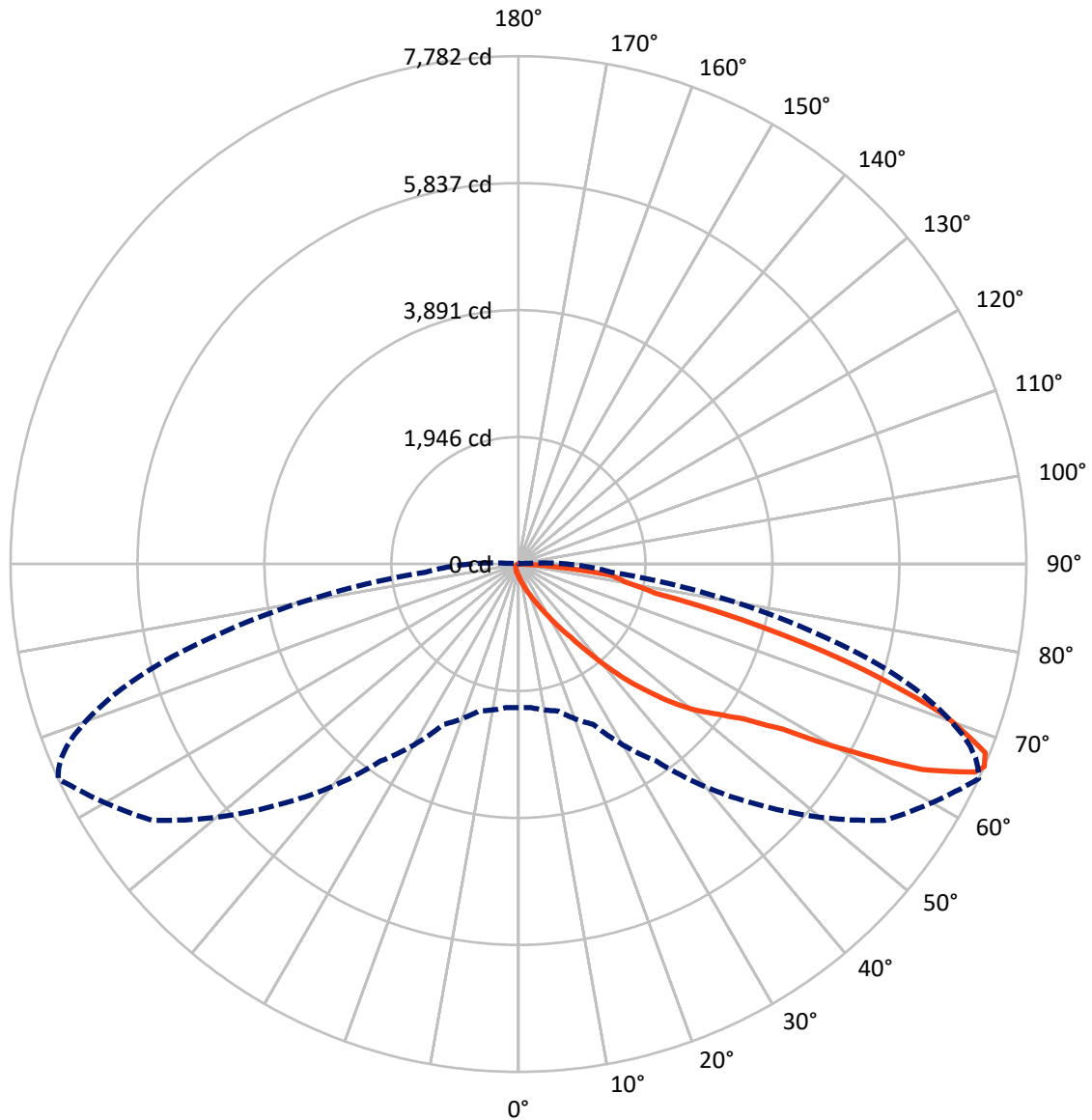
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	131.8	0.0	131.8
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	5948.7	0.0	5948.7
	% Fixture	97.8	0.0	97.8
Total	Lumens	6080.5	0.0	6080.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.5	0.3
10°-20°	87.1	1.4
20°-30°	187.9	3.1
30°-40°	401.3	6.6
40°-50°	887.4	14.6
50°-60°	1503.8	24.7
60°-70°	2006.7	33.0
70°-80°	883.9	14.5
80°-90°	101.8	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°	6080.5	100.0
0°-180°	6080.5	100.0



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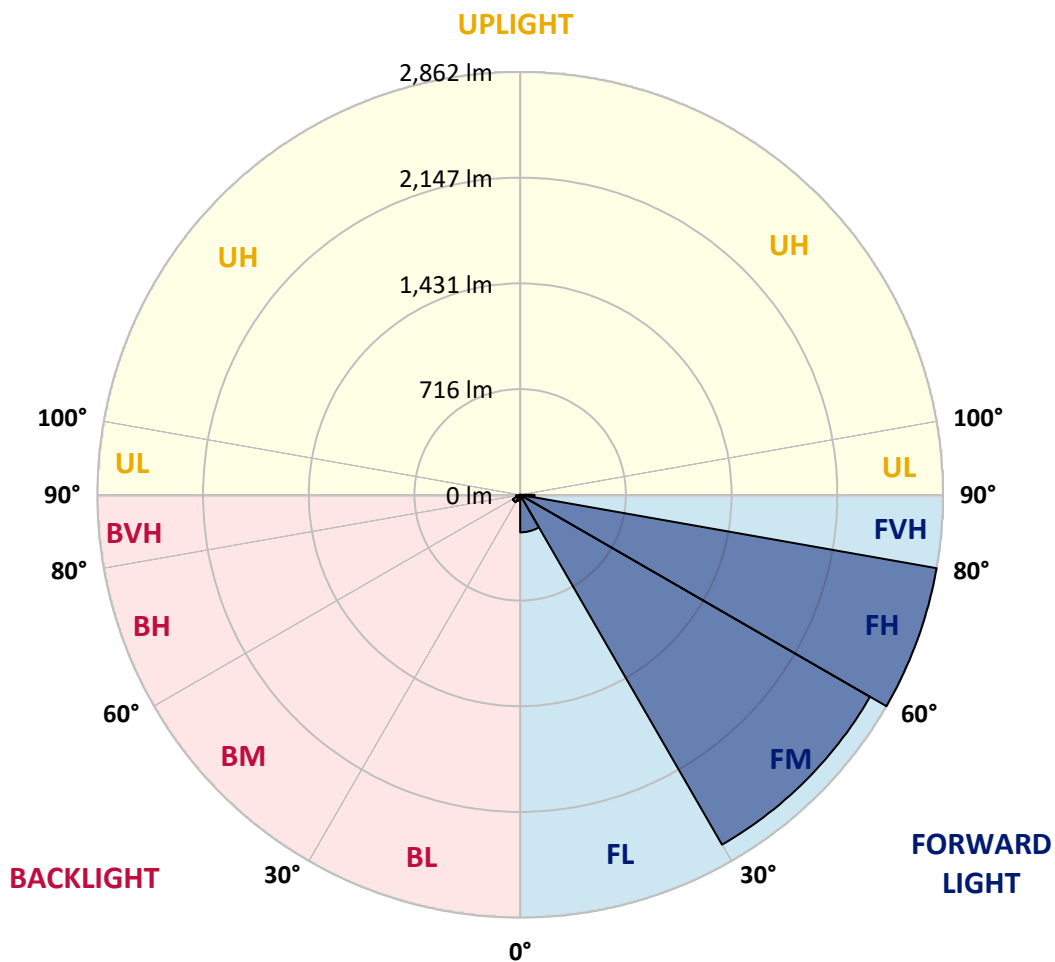
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	254.0	4.2			
FM	(30°-60°)	2734.6	45.0			
FH	(60°-80°)	2862.4	47.1			G2/5000
FVH	(80°-90°)	97.8	1.6			G1/100
BL	(0°-30°)	41.6	0.7	B0/110		
BM	(30°-60°)	57.9	1.0	B0/220		
BH	(60°-80°)	28.3	0.5	B0/110		G0/110
BVH	(80°-90°)	4.1	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	183.5	183.5	183.5	183.5	183.5	183.5	183.5	183.5	183.5	183.5	183.5
2.5°	231.4	230.3	225.6	225.6	218.6	214.0	208.1	202.2	202.2	201.0	199.9
5°	306.2	299.3	298.0	285.2	274.7	259.5	245.5	226.8	224.5	222.1	220.9
7.5°	389.3	388.1	377.6	362.4	341.3	313.3	285.2	254.9	250.1	247.8	243.2
10°	496.8	491.0	476.9	451.3	419.6	382.2	336.7	288.7	282.9	278.2	275.9
12.5°	599.7	589.2	581.0	548.3	508.5	453.6	398.6	329.7	325.0	319.2	309.8
15°	695.5	686.2	672.2	644.1	599.7	530.7	466.4	382.2	370.6	362.4	355.4
17.5°	770.3	764.6	748.2	716.6	668.7	607.9	530.7	436.0	426.7	416.2	403.3
20°	841.7	833.5	807.7	764.6	713.1	666.3	606.7	506.1	493.3	480.5	466.4
22.5°	909.5	901.3	859.2	787.9	732.9	713.1	692.0	585.7	565.8	555.3	541.2
25°	1004.2	986.6	921.1	807.7	734.1	749.3	785.6	688.6	669.9	654.6	632.5
27.5°	1131.5	1108.2	1005.3	837.0	738.8	789.0	893.1	813.6	793.8	776.2	751.6
30°	1275.4	1260.2	1137.4	907.2	772.7	847.5	1013.5	972.6	949.2	928.2	899.0
32.5°	1420.3	1399.3	1277.7	1040.4	863.9	960.9	1164.3	1157.3	1126.9	1107.1	1075.4
35°	1547.7	1537.2	1447.2	1259.0	1072.0	1159.6	1365.4	1373.6	1346.7	1325.6	1290.5
37.5°	1634.2	1634.2	1616.8	1494.0	1402.8	1468.3	1661.1	1662.3	1635.5	1587.5	1570.0
40°	1678.7	1691.5	1754.6	1778.1	1773.3	1857.5	2049.2	2028.2	2006.0	1981.4	1923.0
42.5°	1769.9	1781.5	1916.0	2077.3	2182.5	2293.6	2425.7	2418.6	2391.7	2347.4	2293.6
45°	1924.2	1939.4	2099.5	2355.5	2571.7	2729.6	2813.8	2781.0	2754.2	2712.0	2684.0
47.5°	2120.6	2149.8	2331.0	2647.7	2908.5	3169.1	3256.8	3170.3	3146.9	3114.2	3068.6
50°	2329.8	2357.9	2550.7	2913.1	3207.7	3518.6	3664.8	3518.6	3484.8	3474.3	3422.8
52.5°	2511.0	2534.3	2720.2	3117.7	3436.9	3801.5	4014.4	3821.4	3796.9	3761.8	3724.4
55°	2618.5	2637.2	2811.5	3215.9	3592.3	4056.4	4352.1	4182.6	4146.4	4132.4	4078.6
57.5°	2654.8	2673.5	2830.2	3228.8	3676.5	4289.0	4762.4	4768.3	4725.1	4674.8	4658.4
60°	2654.8	2675.8	2807.9	3197.2	3758.3	4536.9	5309.5	5797.1	5703.5	5694.2	5634.5
62.5°	2544.9	2564.8	2698.1	3100.2	3868.2	4871.2	6071.8	6932.1	6905.3	6844.4	6746.3
65°	2306.4	2318.1	2449.0	2852.3	3826.1	5178.6	6732.2	7687.3	7644.0	7524.8	7398.6
66°	2198.9	2208.2	2331.0	2710.9	3688.1	5220.7	6849.1	7782.0	7710.7	7610.1	7467.5
67.5°	2043.4	2059.7	2146.2	2447.8	3357.3	5074.5	6775.5	7715.3	7653.3	7531.8	7389.2
70°	1364.2	1352.6	1657.6	1878.5	2557.8	4134.7	6078.7	6927.4	6928.6	6871.3	6814.0
72.5°	647.6	654.6	743.4	1156.1	1674.0	2762.3	4838.4	5529.3	5608.8	5505.9	5434.6
75°	465.2	475.8	529.6	707.3	998.3	1657.6	3136.4	3867.0	3869.3	3687.0	3524.5
77.5°	135.6	141.5	198.7	436.0	748.2	1118.7	1801.4	2149.8	2099.5	1968.6	1845.9
80°	56.1	56.1	58.4	139.1	300.5	759.8	1260.2	1655.3	1649.4	1599.2	1526.7
82.5°	21.0	22.2	28.1	57.3	71.3	187.1	840.5	1436.7	1433.2	1361.9	1310.4
85°	2.3	2.3	7.0	24.6	26.9	35.1	168.4	633.6	630.1	633.6	555.3
87.5°	0.0	0.0	1.2	2.3	3.5	4.7	7.0	24.6	26.9	25.7	23.3
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):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	183.5	183.5	183.5	183.5	183.5	183.5	183.5	183.5	183.5	183.5	183.5
2.5°	199.9	197.6	197.6	196.4	196.4	196.4	195.3	194.0	194.0	192.8	191.7
5°	218.6	216.3	215.1	212.7	211.6	210.4	208.1	206.9	204.6	203.4	202.2
7.5°	240.8	236.1	235.0	231.4	227.9	225.6	223.3	219.8	217.4	212.7	211.6
10°	268.8	263.0	258.3	253.7	250.1	244.3	240.8	236.1	231.4	227.9	224.5
12.5°	305.1	296.9	290.0	285.2	277.0	270.0	263.0	259.5	250.1	245.5	239.6
15°	344.8	335.5	327.4	318.0	312.1	300.5	291.1	280.6	275.9	267.7	258.3
17.5°	396.3	381.1	368.2	358.9	347.2	335.5	325.0	314.4	300.5	291.1	279.4
20°	451.3	438.3	420.8	404.5	390.4	376.4	361.2	347.2	334.3	319.2	305.1
22.5°	521.4	502.7	481.6	465.2	446.5	431.4	410.3	391.6	370.6	350.7	334.3
25°	610.2	585.7	565.8	542.4	520.2	496.8	471.1	447.7	420.8	402.1	374.0
27.5°	720.1	696.7	669.9	639.4	617.2	582.1	548.3	519.1	487.4	458.2	426.7
30°	860.4	826.5	798.4	769.2	724.7	690.9	651.2	611.4	568.1	538.9	491.0
32.5°	1028.8	992.5	950.4	908.3	867.4	819.4	770.3	721.3	673.3	619.5	570.4
35°	1234.4	1191.2	1143.3	1097.7	1034.5	983.1	921.1	853.4	799.6	737.6	675.6
37.5°	1506.8	1435.5	1393.4	1345.5	1260.2	1190.1	1121.0	1053.2	958.6	893.1	805.4
40°	1848.2	1806.1	1737.1	1660.0	1582.8	1490.4	1396.9	1306.9	1197.0	1105.9	1004.2
42.5°	2249.1	2187.2	2117.0	2006.0	1927.6	1819.0	1712.6	1593.3	1458.9	1342.0	1222.8
45°	2625.5	2551.9	2498.2	2387.1	2305.2	2176.7	2048.1	1921.8	1766.3	1615.5	1477.6
47.5°	3032.4	2971.6	2882.7	2792.8	2709.7	2564.8	2425.7	2272.5	2108.9	1930.0	1751.2
50°	3390.1	3342.2	3281.3	3172.7	3080.3	2958.7	2795.1	2627.9	2420.9	2243.3	2039.9
52.5°	3694.0	3656.6	3571.3	3494.1	3411.1	3296.6	3150.4	2990.3	2767.0	2571.7	2340.3
55°	4052.9	4026.0	3951.2	3903.3	3829.6	3719.7	3582.9	3434.5	3198.3	2985.6	2723.7
57.5°	4640.9	4619.8	4554.4	4534.5	4462.1	4366.2	4197.9	4038.8	3763.0	3498.8	3199.6
60°	5614.6	5572.6	5476.7	5427.7	5274.5	5145.9	4927.3	4708.7	4375.6	4038.8	3678.8
62.5°	6657.4	6539.3	6357.0	6200.3	5982.9	5759.6	5467.4	5133.1	4742.6	4342.8	3929.0
65°	7219.7	7018.6	6788.3	6539.3	6257.6	5929.2	5560.9	5159.9	4740.2	4318.3	3881.0
66°	7284.0	7057.2	6812.9	6535.9	6222.5	5873.0	5498.9	5078.1	4642.1	4230.5	3793.3
67.5°	7203.3	6966.0	6707.7	6400.2	6061.2	5698.8	5306.1	4868.9	4449.1	4031.8	3606.3
70°	6638.6	6402.6	6172.2	5848.4	5487.2	5122.5	4750.7	4262.2	3864.7	3481.2	3102.5
72.5°	5301.3	5141.2	4913.2	4636.2	4284.3	3856.5	3546.7	3109.5	2764.7	2392.9	2099.5
75°	3313.0	3087.3	2805.6	2452.6	2183.6	1836.5	1655.3	1323.3	1126.9	955.1	789.0
77.5°	1693.9	1524.4	1326.8	1128.1	937.5	748.2	578.6	409.1	275.9	191.7	142.6
80°	1399.3	1249.7	1086.0	904.8	736.5	571.6	411.4	280.6	178.9	116.9	91.2
82.5°	1156.1	1029.9	883.7	715.4	569.3	448.9	312.1	203.4	126.2	81.9	64.3
85°	492.2	446.5	344.8	273.6	205.8	152.0	106.4	71.3	50.2	40.9	37.4
87.5°	21.0	23.3	22.2	17.5	12.8	12.8	11.7	9.4	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):

	80°	81°	82°	83°	84°	85°	95°	105°	115°	125°	135°
0°	183.5	183.5	183.5	183.5	183.5	183.5	183.5	183.5	183.5	183.5	183.5
2.5°	191.7	190.5	189.4	189.4	188.2	187.1	180.0	174.1	167.2	162.5	157.8
5°	199.9	198.7	196.4	195.3	192.8	191.7	176.6	163.6	153.1	144.9	139.1
7.5°	208.1	206.9	203.4	199.9	198.7	196.4	171.8	155.4	141.5	132.1	126.2
10°	218.6	215.1	211.6	206.9	203.4	199.9	167.2	146.1	130.9	122.7	116.9
12.5°	233.8	227.9	222.1	216.3	211.6	205.8	164.8	138.0	122.7	113.4	107.5
15°	251.4	243.2	236.1	229.1	220.9	215.1	160.2	130.9	115.7	106.4	99.3
17.5°	267.7	258.3	247.8	237.3	229.1	220.9	155.4	123.9	108.7	99.3	92.4
20°	291.1	277.0	264.2	251.4	239.6	229.1	148.5	116.9	102.9	92.4	85.3
22.5°	316.8	300.5	284.1	266.5	251.4	237.3	142.6	111.1	97.0	86.5	78.3
25°	349.5	329.7	307.4	285.2	267.7	249.0	136.7	105.2	91.2	80.7	72.5
27.5°	395.1	367.1	342.5	314.4	287.5	266.5	132.1	100.6	85.3	74.8	66.6
30°	457.1	416.2	377.6	347.2	315.6	285.2	127.4	94.7	80.7	68.9	59.6
32.5°	526.0	478.1	433.7	388.1	348.4	313.3	122.7	90.0	74.8	63.2	55.0
35°	611.4	550.6	491.0	438.3	390.4	343.7	118.0	85.3	70.1	57.3	49.1
37.5°	734.1	658.1	579.8	512.0	450.0	388.1	114.6	80.7	64.3	51.4	43.3
40°	902.4	804.3	708.4	616.1	535.4	458.2	109.9	76.0	59.6	46.8	38.6
42.5°	1084.8	965.6	839.4	735.3	624.3	527.3	105.2	71.3	55.0	42.0	33.9
45°	1311.6	1163.2	1010.1	868.6	732.9	607.9	100.6	66.6	49.1	37.4	29.2
47.5°	1559.5	1370.1	1197.0	1019.4	858.1	708.4	94.7	63.2	44.5	32.7	25.7
50°	1814.2	1614.3	1395.7	1193.5	1001.9	808.9	88.8	57.3	39.7	29.2	21.0
52.5°	2088.9	1852.8	1629.6	1378.2	1155.0	941.0	83.0	52.6	36.3	25.7	17.5
55°	2438.5	2174.3	1912.5	1630.7	1361.9	1094.1	77.1	46.8	31.5	22.2	14.0
57.5°	2878.1	2564.8	2243.3	1925.3	1599.2	1295.3	72.5	40.9	26.9	18.7	11.7
60°	3293.0	2927.2	2537.9	2172.0	1803.7	1449.6	65.5	36.3	23.3	15.2	11.7
62.5°	3508.1	3090.8	2671.2	2267.8	1875.1	1504.5	58.4	30.4	19.9	12.8	10.5
65°	3455.6	3030.1	2623.2	2216.4	1831.8	1469.4	51.4	26.9	17.5	11.7	10.5
66°	3379.6	2958.7	2549.6	2162.6	1795.5	1432.0	47.9	25.7	16.4	11.7	9.4
67.5°	3213.5	2806.7	2416.3	2056.3	1696.2	1360.7	43.3	23.3	15.2	10.5	9.4
70°	2744.8	2375.4	2063.3	1743.0	1449.6	1146.8	35.1	19.9	12.8	9.4	9.4
72.5°	1816.6	1565.3	1357.2	1167.8	976.1	757.5	29.2	16.4	10.5	9.4	8.2
75°	685.0	619.5	531.9	478.1	417.3	365.9	23.3	10.5	8.2	8.2	8.2
77.5°	121.6	112.2	99.3	91.2	84.2	77.1	18.7	7.0	7.0	8.2	8.2
80°	81.9	76.0	68.9	63.2	58.4	52.6	12.8	5.9	7.0	7.0	8.2
82.5°	58.4	55.0	51.4	46.8	43.3	38.6	8.2	5.9	7.0	7.0	7.0
85°	35.1	32.7	30.4	28.1	24.6	23.3	5.9	5.9	5.9	7.0	7.0
87.5°	9.4	8.2	9.4	9.4	7.0	8.2	4.7	4.7	4.7	5.9	5.9
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: P180602

CATALOG NUMBER: ICM-F05-LED-E1-SL3-HSS-7030

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	183.5	183.5	183.5	183.5	183.5
2.5°	155.4	155.4	153.1	156.7	156.7
5°	134.4	134.4	133.3	134.4	134.4
7.5°	122.7	121.6	121.6	121.6	122.7
10°	112.2	111.1	111.1	111.1	111.1
12.5°	102.9	101.7	100.6	101.7	101.7
15°	94.7	92.4	92.4	92.4	92.4
17.5°	87.6	85.3	84.2	84.2	84.2
20°	80.7	77.1	77.1	77.1	77.1
22.5°	73.7	70.1	70.1	70.1	70.1
25°	66.6	63.2	63.2	63.2	63.2
27.5°	60.7	57.3	57.3	57.3	57.3
30°	53.8	51.4	51.4	52.6	51.4
32.5°	49.1	45.6	45.6	46.8	46.8
35°	43.3	40.9	40.9	40.9	40.9
37.5°	37.4	35.1	35.1	35.1	35.1
40°	32.7	30.4	29.2	30.4	30.4
42.5°	28.1	25.7	24.6	24.6	24.6
45°	24.6	21.0	19.9	21.0	21.0
47.5°	19.9	17.5	17.5	18.7	18.7
50°	15.2	15.2	16.4	18.7	18.7
52.5°	14.0	14.0	16.4	18.7	18.7
55°	12.8	14.0	16.4	17.5	18.7
57.5°	11.7	14.0	16.4	17.5	17.5
60°	11.7	12.8	15.2	17.5	17.5
62.5°	10.5	11.7	14.0	16.4	16.4
65°	10.5	11.7	14.0	16.4	16.4
66°	10.5	11.7	14.0	16.4	16.4
67.5°	10.5	11.7	14.0	16.4	16.4
70°	10.5	11.7	14.0	15.2	15.2
72.5°	9.4	10.5	12.8	15.2	15.2
75°	9.4	10.5	12.8	15.2	15.2
77.5°	9.4	10.5	12.8	15.2	15.2
80°	9.4	10.5	12.8	14.0	15.2
82.5°	8.2	10.5	11.7	14.0	14.0
85°	8.2	9.4	11.7	12.8	14.0
87.5°	7.0	8.2	9.4	11.7	11.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)