

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: P181357

Luminaire Tested: **ICM-E05-LED-E1-T3-HSS-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P181357  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33724)  
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-T3-HSS-8030  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD  
Light Source: (105) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

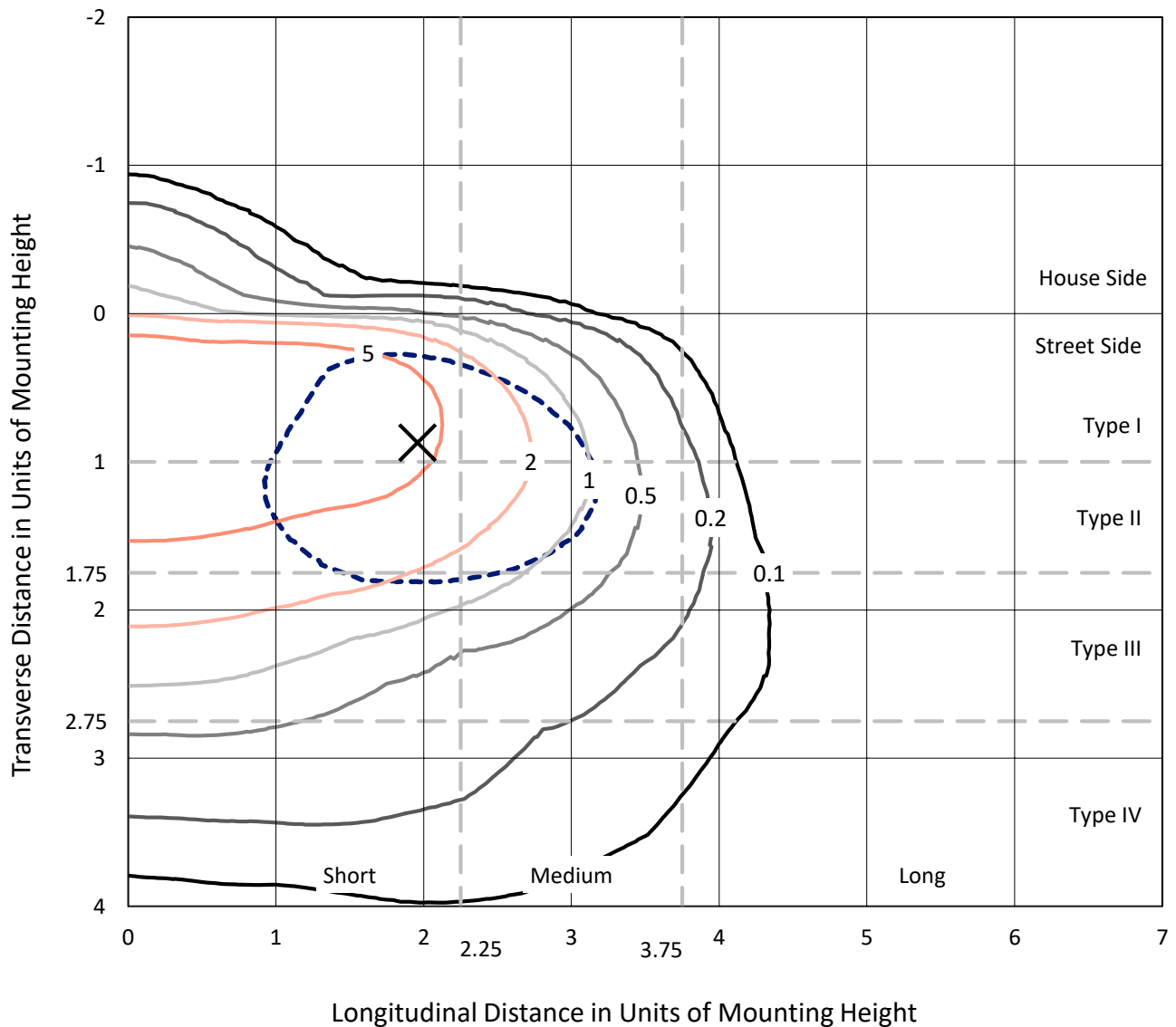
Lumens per Lamp: N/A  
Luminaire Lumens: 6399.9 lumens  
Efficiency: N/A  
Efficacy: 50.3 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 1' x H: 0.1')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G2  
  
Input Watts (W): 127.3  
Input Voltage (V): NR  
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



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### Iso-Footcandle Lines of Horizontal Illumination

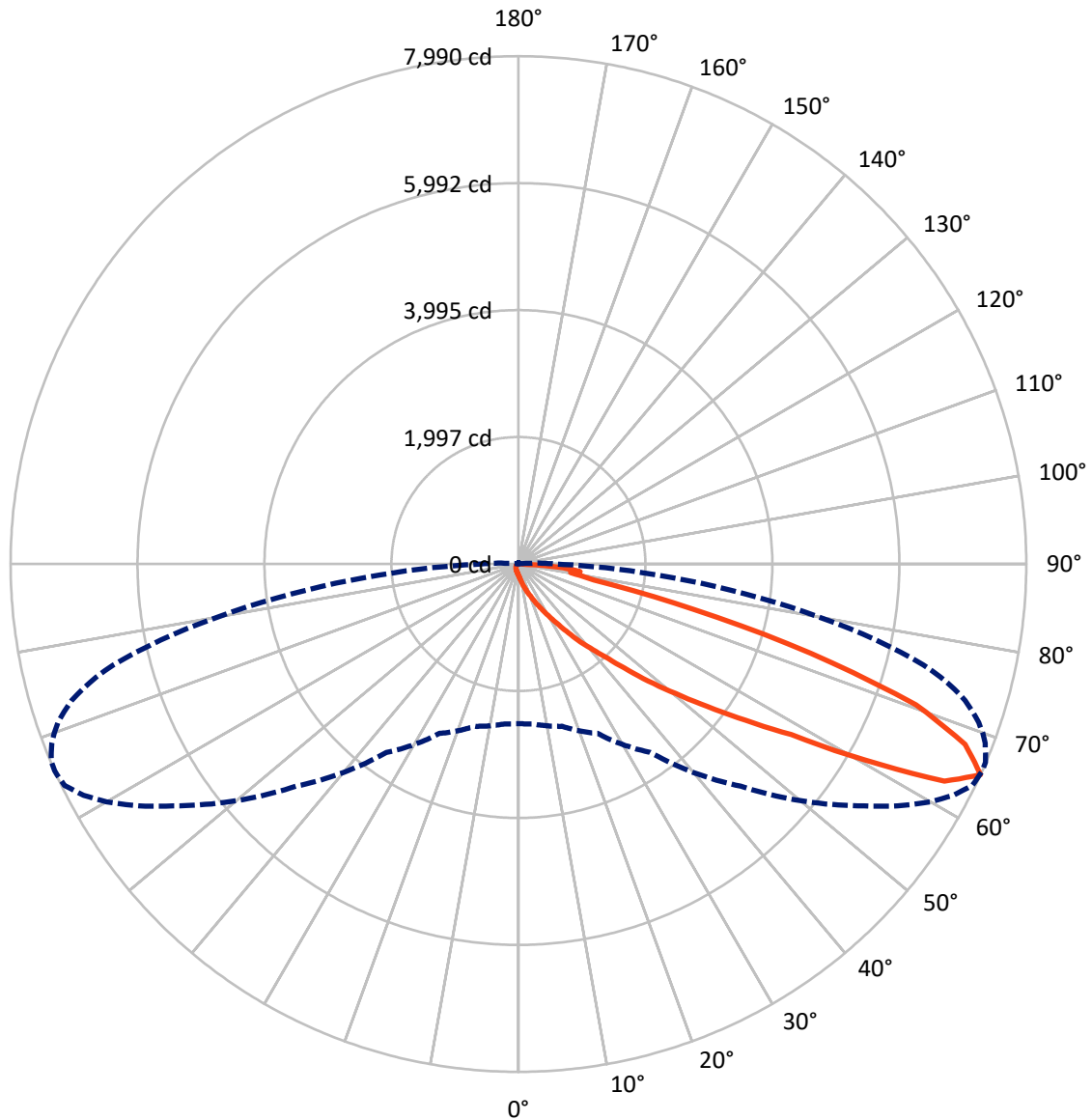
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.3 fc  
 Type III - Short - Non-Cutoff

REPORT NUMBER: P181357  
CATALOG NUMBER: ICM-E05-LED-E1-T3-HSS-8030

### Luminous Intensity Polar Plot



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

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CATALOG NUMBER: ICM-E05-LED-E1-T3-HSS-8030

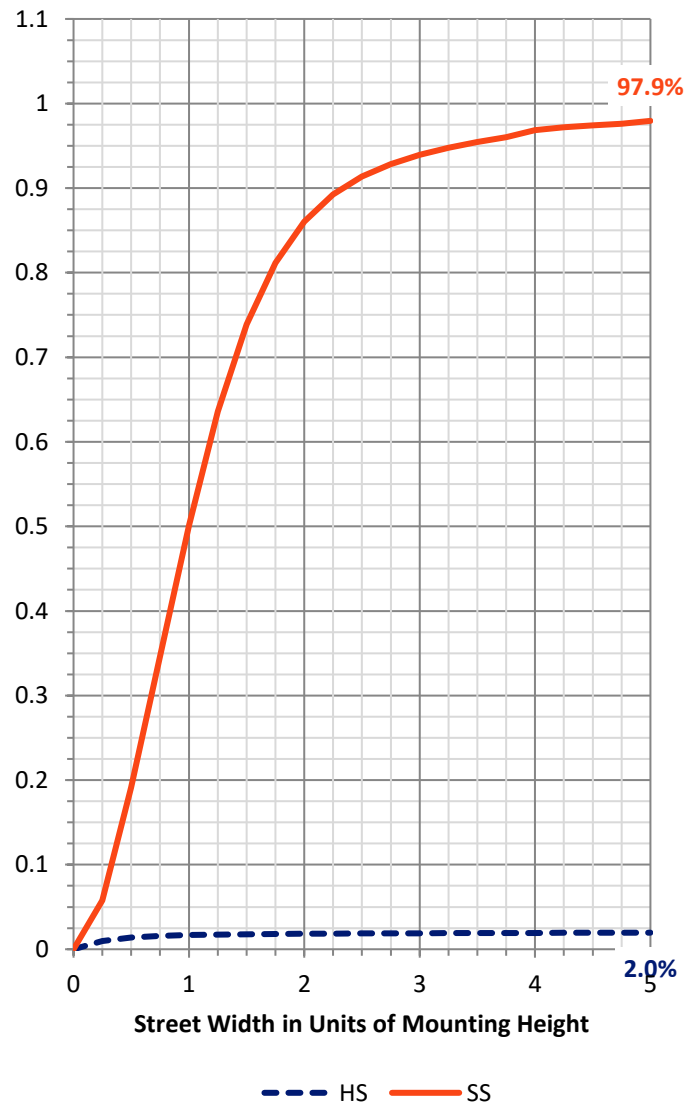
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	128.5	0.0	128.5
	% Fixture	2.0	0.0	2.0
<b>Street Side</b>	Lumens	6271.4	0.0	6271.4
	% Fixture	98.0	0.0	98.0
<b>Total</b>	Lumens	6399.9	0.0	6399.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.8	0.3
10°-20°	104.1	1.6
20°-30°	237.7	3.7
30°-40°	452.3	7.1
40°-50°	907.7	14.2
50°-60°	1606.2	25.1
60°-70°	2098.6	32.8
70°-80°	862.9	13.5
80°-90°	108.7	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°	6399.9	100.0
0°-180°	6399.9	100.0



REPORT NUMBER: P181357

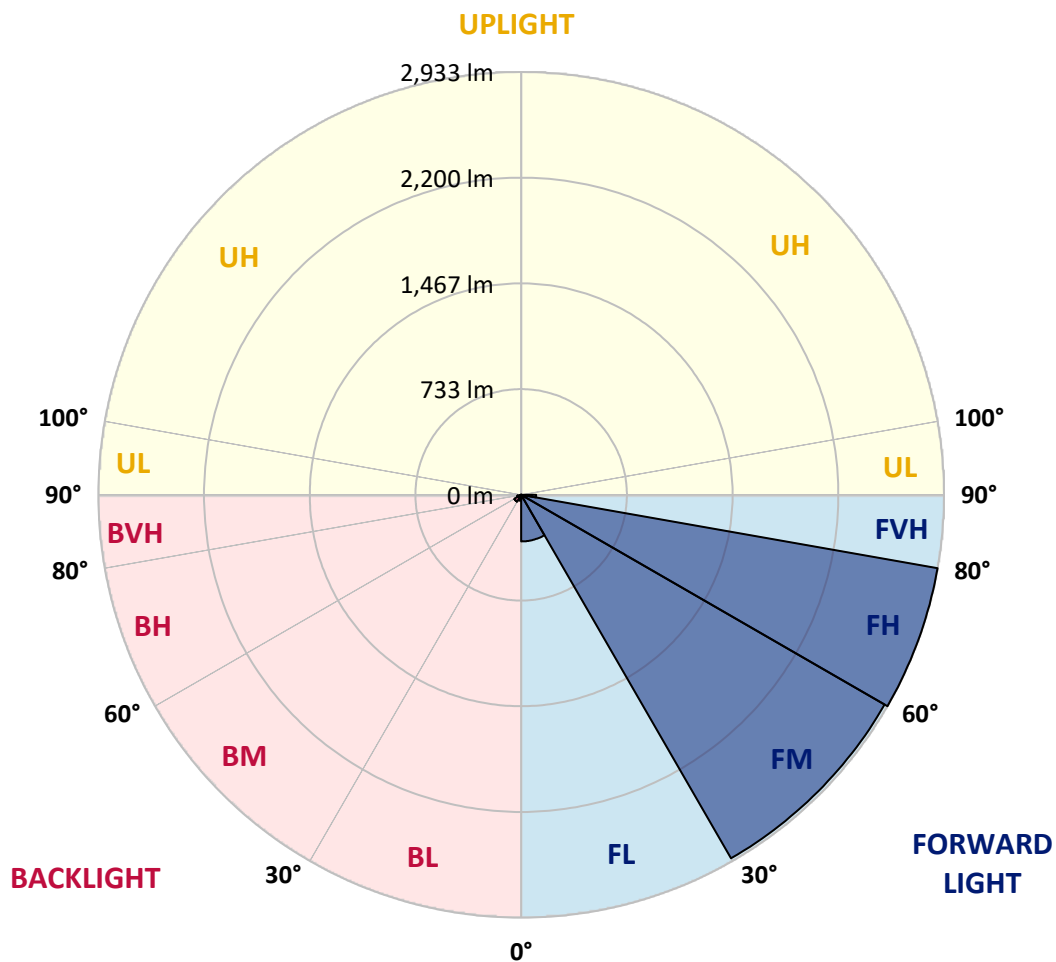
CATALOG NUMBER: ICM-E05-LED-E1-T3-HSS-8030

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	323.4	5.1			
FM	(30°-60°)	2911.2	45.5			
FH	(60°-80°)	2933.0	45.8			G2/5000
FVH	(80°-90°)	103.8	1.6			G2/225
BL	(0°-30°)	40.2	0.6	B0/110		
BM	(30°-60°)	55.0	0.9	B0/220		
BH	(60°-80°)	28.4	0.4	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: P181357

CATALOG NUMBER: ICM-E05-LED-E1-T3-HSS-8030

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	178.0	178.0	178.0	178.0	178.0	178.0	178.0	178.0	178.0	178.0	178.0
2.5°	235.5	231.6	232.9	225.0	219.8	213.3	208.1	206.8	205.4	202.8	204.1
5°	338.9	335.0	325.9	310.1	295.7	273.5	251.3	250.0	246.0	242.0	239.4
7.5°	471.1	464.6	454.0	427.9	392.6	353.3	308.8	304.8	299.6	294.4	289.2
10°	624.2	620.3	600.7	570.5	516.8	452.7	378.1	374.2	362.4	355.9	350.7
12.5°	785.1	768.1	760.3	707.9	646.4	558.7	463.3	448.8	439.6	430.5	417.4
15°	906.8	909.4	891.1	849.2	777.3	675.2	556.1	540.4	527.4	510.3	494.6
17.5°	1016.8	1011.4	991.8	965.7	897.7	794.2	655.5	634.6	613.7	604.6	582.3
20°	1105.7	1103.1	1087.4	1062.5	1010.1	910.7	760.3	743.3	719.7	704.0	679.2
22.5°	1176.4	1176.4	1167.2	1152.8	1101.8	1022.0	871.4	853.1	829.6	810.0	782.5
25°	1232.7	1231.4	1232.7	1226.1	1192.1	1118.8	985.3	964.4	944.7	921.2	895.0
27.5°	1296.8	1299.4	1296.8	1292.8	1278.4	1219.5	1100.5	1086.1	1063.8	1039.0	1012.8
30°	1396.2	1388.4	1387.1	1384.4	1367.5	1330.8	1219.5	1202.5	1185.5	1168.5	1150.1
32.5°	1500.8	1487.8	1483.8	1483.8	1472.1	1439.4	1356.9	1347.8	1322.9	1309.9	1294.1
35°	1619.9	1614.7	1609.5	1610.8	1605.6	1571.5	1503.5	1506.1	1498.2	1472.1	1456.4
37.5°	1794.0	1795.3	1786.2	1769.1	1769.1	1739.0	1699.7	1694.5	1674.9	1668.4	1659.2
40°	2042.6	2036.0	2028.2	2003.4	1994.2	1943.2	1906.5	1893.4	1877.7	1876.4	1866.0
42.5°	2330.4	2322.6	2322.6	2304.3	2286.0	2224.5	2155.2	2146.0	2128.9	2134.2	2130.2
45°	2597.4	2603.9	2613.1	2626.2	2628.9	2602.6	2501.9	2490.2	2480.9	2475.7	2471.8
47.5°	2827.7	2839.5	2869.6	2925.9	2997.8	3007.0	2927.2	2895.7	2889.2	2880.0	2872.2
50°	2992.6	3009.6	3077.6	3187.6	3327.6	3414.0	3370.7	3344.6	3343.3	3318.4	3315.8
52.5°	3086.8	3105.1	3216.3	3382.5	3599.7	3768.6	3822.2	3820.9	3818.3	3796.0	3786.8
55°	3107.7	3127.4	3260.9	3487.2	3797.3	4089.1	4294.5	4299.8	4311.6	4305.0	4305.0
57.5°	3050.2	3075.0	3220.3	3500.3	3900.7	4343.0	4791.8	4821.9	4836.3	4887.3	4946.2
60°	2944.2	2962.5	3107.7	3420.5	3919.0	4574.6	5438.2	5533.7	5608.3	5709.1	5804.6
62.5°	2747.9	2784.6	2923.3	3263.5	3864.0	4841.5	6210.3	6386.9	6532.1	6685.3	6869.7
65°	2509.8	2525.4	2643.2	2940.2	3618.1	4943.6	6636.8	6809.5	6995.4	7158.9	7323.8
67.5°	2211.4	2224.5	2326.5	2453.5	2986.1	4466.0	6216.8	6407.9	6575.3	6710.1	6926.0
70°	1448.6	1477.3	1727.3	1852.8	2087.1	3301.4	5083.6	5268.1	5396.3	5487.9	5737.9
72.5°	1061.2	1079.5	1180.3	1439.4	1496.9	1951.0	3577.5	3777.7	3824.8	3997.5	4114.0
75°	647.7	693.5	921.2	1232.7	1459.0	1336.0	2143.4	2240.2	2348.8	2474.4	2585.6
77.5°	130.9	149.2	300.9	849.2	1283.6	1427.6	1279.7	1298.1	1351.7	1363.5	1405.3
80°	20.9	22.2	39.3	366.4	743.3	1154.1	1279.7	1262.7	1232.7	1211.7	1190.8
82.5°	9.1	10.5	17.0	92.9	158.3	384.7	1107.0	1193.4	1292.8	1347.8	1362.1
85°	3.9	3.9	6.5	18.3	23.5	26.1	187.2	247.4	440.9	586.2	675.2
87.5°	2.6	2.6	3.9	3.9	5.2	6.5	9.1	9.1	10.5	11.8	17.0
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: P181357

CATALOG NUMBER: ICM-E05-LED-E1-T3-HSS-8030

**CANDELA DISTRIBUTION (continued):**

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	178.0	178.0	178.0	178.0	178.0	178.0	178.0	178.0	178.0	178.0	178.0
2.5°	204.1	202.8	202.8	198.9	198.9	197.6	197.6	196.3	196.3	193.7	195.0
5°	238.1	235.5	232.9	229.0	227.7	225.0	222.4	218.5	217.2	214.6	213.3
7.5°	283.9	281.3	276.1	268.3	263.0	257.8	252.6	247.4	243.4	239.4	236.8
10°	340.2	332.4	329.8	314.0	307.5	297.0	290.5	285.3	277.4	270.9	267.0
12.5°	408.3	401.7	388.7	367.7	357.2	348.1	336.3	325.9	318.0	306.2	298.3
15°	478.9	473.7	455.4	431.8	418.7	401.7	390.0	379.4	362.4	354.6	340.2
17.5°	567.9	552.2	533.9	499.8	482.9	468.5	447.5	431.8	421.3	397.8	384.7
20°	659.5	642.5	618.9	581.0	557.4	535.2	518.1	497.2	475.0	459.3	437.0
22.5°	764.2	736.7	718.4	671.3	643.8	620.3	591.4	569.2	547.0	522.1	497.2
25°	875.4	847.9	825.7	772.0	743.3	719.7	685.7	654.2	626.8	599.3	570.5
27.5°	991.8	967.0	942.1	887.2	862.3	829.6	798.2	761.6	726.2	701.4	662.1
30°	1126.6	1105.7	1078.2	1019.4	991.8	957.9	925.1	882.0	847.9	813.9	775.9
32.5°	1271.9	1254.9	1226.1	1173.8	1141.0	1112.3	1076.9	1035.1	986.6	951.3	906.8
35°	1448.6	1419.7	1402.7	1353.0	1328.2	1296.8	1260.1	1223.4	1172.5	1122.7	1084.8
37.5°	1650.1	1636.9	1614.7	1567.6	1549.3	1516.6	1493.0	1456.4	1417.1	1354.3	1313.8
40°	1856.8	1847.6	1828.0	1780.9	1762.6	1740.3	1712.8	1677.5	1630.4	1597.7	1537.5
42.5°	2119.8	2105.4	2089.7	2045.2	2009.9	1982.4	1970.6	1940.6	1890.8	1848.9	1801.9
45°	2453.5	2446.9	2426.0	2381.5	2346.2	2327.8	2309.5	2258.5	2225.8	2183.9	2151.2
47.5°	2856.5	2835.6	2825.1	2775.4	2763.6	2749.2	2702.1	2673.3	2626.2	2593.5	2552.9
50°	3292.2	3270.0	3271.3	3211.1	3213.7	3203.3	3167.9	3133.9	3093.3	3064.6	3039.7
52.5°	3760.7	3771.2	3745.0	3763.3	3742.3	3718.8	3712.3	3670.4	3635.1	3633.8	3599.7
55°	4336.4	4319.5	4326.0	4344.3	4315.5	4341.7	4328.6	4274.9	4276.2	4286.7	4247.5
57.5°	4955.4	4980.2	5033.9	5045.6	5095.4	5061.3	5150.4	5086.3	5125.5	5125.5	5099.3
60°	5863.5	5962.9	6092.5	6193.2	6286.2	6256.0	6372.5	6299.2	6351.6	6307.1	6284.8
62.5°	6957.4	7089.5	7242.6	7406.2	7500.4	7524.0	7507.0	7539.7	7488.7	7456.0	7370.9
65°	7483.4	7614.3	7747.8	7944.0	7970.2	7989.8	7982.0	7927.0	7864.2	7771.3	7660.0
67.5°	7046.4	7229.5	7304.1	7530.6	7606.5	7578.9	7588.1	7517.4	7419.3	7327.7	7164.1
70°	5842.5	6051.9	6091.2	6415.7	6506.0	6636.8	6589.7	6568.8	6461.4	6384.3	6203.7
72.5°	4254.0	4417.6	4404.5	4769.5	4753.9	4807.5	4934.4	4929.2	4816.7	4791.8	4640.0
75°	2618.3	2716.5	2711.3	2970.3	2861.7	2846.1	2881.3	2865.7	2759.6	2649.8	2555.6
77.5°	1387.1	1431.5	1384.4	1307.2	1299.4	1211.7	1186.8	1185.5	1104.4	1004.9	931.6
80°	1168.5	1122.7	1067.7	955.3	889.8	830.9	775.9	724.9	670.0	596.7	507.7
82.5°	1364.8	1342.5	1303.3	1162.0	1094.0	976.2	888.5	806.1	705.3	629.4	515.5
85°	664.7	663.4	694.8	680.5	655.5	650.3	564.0	545.7	505.1	463.3	387.4
87.5°	18.3	13.1	15.7	13.1	15.7	17.0	11.8	27.4	17.0	15.7	18.3
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: P181357

CATALOG NUMBER: ICM-E05-LED-E1-T3-HSS-8030

**CANDELA DISTRIBUTION (continued):**

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	178.0	178.0	178.0	178.0	178.0	178.0	178.0	178.0	178.0	178.0	178.0
2.5°	193.7	192.4	191.1	191.1	189.8	189.8	188.5	187.2	187.2	185.8	185.8
5°	210.7	208.1	206.8	205.4	202.8	201.5	198.9	197.6	195.0	193.7	191.1
7.5°	231.6	229.0	223.7	221.1	217.2	215.9	209.4	206.8	204.1	201.5	197.6
10°	257.8	251.3	246.0	240.7	234.2	229.0	223.7	219.8	214.6	208.1	205.4
12.5°	290.5	281.3	273.5	264.3	256.5	248.7	239.4	232.9	225.0	218.5	212.0
15°	327.2	314.0	303.5	290.5	277.4	268.3	259.1	250.0	239.4	230.3	222.4
17.5°	369.0	352.0	337.6	321.9	307.5	294.4	278.7	267.0	255.2	242.0	231.6
20°	413.5	396.5	376.8	359.8	338.9	324.5	304.8	289.2	272.2	259.1	244.7
22.5°	472.4	450.1	425.3	401.7	379.4	357.2	336.3	316.7	295.7	276.1	261.7
25°	541.8	514.2	482.9	459.3	427.9	403.0	376.8	352.0	329.8	304.8	281.3
27.5°	628.1	591.4	557.4	524.7	490.7	459.3	425.3	396.5	366.4	337.6	311.4
30°	728.8	693.5	642.5	605.9	571.8	528.7	494.6	456.7	422.6	380.7	352.0
32.5°	862.3	816.6	762.9	714.4	670.0	621.6	574.4	526.0	481.5	443.6	400.4
35°	1036.4	982.7	918.6	857.1	807.4	748.5	688.3	633.3	582.3	527.4	473.7
37.5°	1256.2	1206.4	1137.1	1062.5	995.8	925.1	862.3	785.1	717.0	650.3	582.3
40°	1474.7	1428.9	1356.9	1277.1	1190.8	1109.6	1029.8	942.1	855.8	772.0	701.4
42.5°	1744.3	1676.2	1599.0	1508.8	1424.9	1328.2	1228.7	1127.9	1024.6	923.8	823.1
45°	2083.2	2030.8	1922.2	1825.4	1726.0	1612.1	1489.1	1374.0	1241.8	1122.7	989.2
47.5°	2495.4	2401.1	2321.3	2232.3	2108.0	1998.2	1841.1	1705.0	1540.1	1381.8	1222.1
50°	2982.2	2929.8	2823.8	2712.6	2577.8	2446.9	2293.9	2097.6	1900.0	1731.2	1512.7
52.5°	3551.4	3476.8	3410.0	3294.8	3157.5	2990.0	2815.9	2602.6	2360.6	2122.4	1889.5
55°	4226.5	4174.2	4110.1	4018.4	3843.1	3653.4	3444.0	3188.9	2902.3	2581.7	2310.8
57.5°	5098.0	5043.0	4981.5	4793.1	4674.1	4441.1	4137.5	3873.2	3564.4	3153.5	2817.2
60°	6287.5	6212.9	6126.5	5973.4	5724.8	5422.5	5096.7	4705.4	4327.3	3878.4	3437.5
62.5°	7304.1	7185.1	7000.6	6803.0	6504.7	6157.9	5748.3	5287.8	4857.2	4352.1	3861.4
65°	7513.5	7350.0	7132.8	6874.9	6567.5	6176.2	5748.3	5307.4	4801.0	4326.0	3832.7
67.5°	6969.2	6779.5	6557.0	6269.2	5976.0	5573.0	5204.0	4755.2	4278.9	3868.0	3427.0
70°	6074.2	5792.8	5565.2	5258.9	4961.9	4645.2	4256.6	3920.3	3533.0	3154.8	2817.2
72.5°	4561.5	4284.1	4077.3	3832.7	3656.0	3321.0	3035.7	2784.6	2555.6	2272.9	2023.0
75°	2458.7	2250.6	2111.9	2000.8	1842.4	1621.2	1485.1	1312.5	1215.6	1097.9	984.0
77.5°	802.1	706.6	603.3	502.5	431.8	324.5	314.0	250.0	235.5	229.0	176.7
80°	410.9	316.7	229.0	164.8	125.6	111.3	106.0	100.7	95.5	91.6	85.0
82.5°	412.2	298.3	205.4	142.6	103.3	86.3	81.1	78.5	74.6	70.7	65.4
85°	300.9	222.4	153.1	104.7	72.0	57.6	55.0	51.1	48.4	47.1	41.9
87.5°	19.6	14.4	13.1	11.8	11.8	11.8	13.1	11.8	13.1	13.1	11.8
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: P181357

CATALOG NUMBER: ICM-E05-LED-E1-T3-HSS-8030

**CANDELA DISTRIBUTION (continued):**

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	178.0	178.0	178.0	178.0	178.0	178.0	178.0	178.0	178.0	178.0	178.0
2.5°	184.5	183.2	183.2	181.9	180.6	180.6	179.3	179.3	175.3	168.8	163.5
5°	189.8	187.2	185.8	184.5	183.2	180.6	179.3	178.0	171.4	158.3	147.9
7.5°	193.7	191.1	189.8	187.2	183.2	181.9	179.3	176.7	166.1	147.9	136.1
10°	200.2	196.3	192.4	188.5	184.5	181.9	178.0	175.3	159.6	138.7	126.9
12.5°	206.8	201.5	196.3	189.8	185.8	181.9	178.0	172.7	154.4	130.9	117.8
15°	214.6	206.8	200.2	193.7	187.2	181.9	175.3	171.4	149.2	124.3	112.6
17.5°	222.4	213.3	204.1	195.0	188.5	180.6	175.3	168.8	143.9	119.1	106.0
20°	231.6	218.5	209.4	198.9	189.8	180.6	172.7	166.1	138.7	112.6	99.4
22.5°	244.7	229.0	214.6	202.8	191.1	181.9	172.7	163.5	133.5	107.3	94.2
25°	261.7	242.0	225.0	210.7	196.3	184.5	174.0	164.8	129.6	103.3	87.6
27.5°	286.6	261.7	243.4	223.7	205.4	191.1	178.0	167.5	126.9	99.4	83.7
30°	316.7	291.8	263.0	239.4	219.8	200.2	185.8	170.1	124.3	95.5	78.5
32.5°	361.1	325.9	291.8	263.0	235.5	213.3	192.4	176.7	123.0	89.0	73.3
35°	425.3	376.8	336.3	298.3	260.4	232.9	208.1	187.2	121.7	83.7	68.0
37.5°	516.8	459.3	407.0	353.3	306.2	267.0	232.9	205.4	121.7	79.8	62.8
40°	615.0	540.4	473.7	407.0	346.8	297.0	251.3	217.2	119.1	74.6	57.6
42.5°	726.2	634.6	543.1	460.6	386.0	321.9	268.3	226.4	112.6	69.4	52.4
45°	875.4	755.0	645.1	539.1	442.2	358.5	290.5	236.8	106.0	65.4	47.1
47.5°	1062.5	922.5	779.9	646.4	519.4	413.5	323.2	253.9	102.0	60.2	43.2
50°	1341.2	1142.3	953.9	783.8	622.9	484.2	371.6	278.7	98.1	56.3	39.3
52.5°	1647.5	1402.7	1181.6	963.1	762.9	579.6	427.9	311.4	94.2	52.4	35.3
55°	2020.4	1719.4	1449.9	1165.9	909.4	690.9	497.2	348.1	89.0	48.4	32.7
57.5°	2480.9	2100.2	1780.9	1434.1	1112.3	834.8	590.1	409.6	83.7	43.2	28.7
60°	2995.2	2564.7	2163.0	1756.0	1366.1	1025.9	727.5	497.2	78.5	38.0	24.8
62.5°	3365.5	2893.1	2433.9	1977.2	1549.3	1168.5	838.8	565.3	70.7	32.7	22.2
65°	3361.6	2882.7	2420.8	1970.6	1554.5	1173.8	842.7	578.3	62.8	28.7	19.6
67.5°	2995.2	2592.2	2180.0	1775.6	1411.9	1067.7	779.9	536.5	53.7	26.1	17.0
70°	2463.9	2143.4	1817.5	1496.9	1205.1	914.6	673.9	467.2	45.8	23.5	14.4
72.5°	1799.2	1565.0	1366.1	1139.7	940.8	722.3	537.8	366.4	36.7	19.6	13.1
75°	893.7	799.5	685.7	615.0	524.7	429.2	333.7	213.3	30.1	15.7	11.8
77.5°	170.1	151.8	145.2	125.6	115.2	102.0	90.3	64.1	23.5	11.8	10.5
80°	78.5	72.0	65.4	58.9	52.4	44.5	39.3	34.0	18.3	9.1	11.8
82.5°	61.5	56.3	49.8	44.5	39.3	34.0	28.7	24.8	11.8	7.8	11.8
85°	40.6	35.3	31.4	27.4	23.5	20.9	18.3	15.7	7.8	7.8	7.8
87.5°	11.8	11.8	10.5	10.5	9.1	9.1	7.8	7.8	6.5	6.5	6.5
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: P181357

CATALOG NUMBER: ICM-E05-LED-E1-T3-HSS-8030

**CANDELA DISTRIBUTION (continued):**

	125°	135°	145°	155°	165°	175°	180°
0°	178.0	178.0	178.0	178.0	178.0	178.0	178.0
2.5°	158.3	151.8	149.2	147.9	147.9	149.2	147.9
5°	140.0	133.5	130.9	128.3	128.3	128.3	129.6
7.5°	128.3	121.7	117.8	116.5	115.2	116.5	116.5
10°	117.8	112.6	107.3	104.7	104.7	104.7	104.7
12.5°	110.0	103.3	98.1	96.8	95.5	95.5	95.5
15°	103.3	95.5	91.6	89.0	87.6	87.6	89.0
17.5°	95.5	89.0	83.7	82.4	82.4	82.4	82.4
20°	90.3	82.4	78.5	75.9	75.9	75.9	75.9
22.5°	83.7	77.2	72.0	69.4	69.4	69.4	69.4
25°	78.5	72.0	66.7	64.1	64.1	64.1	64.1
27.5°	73.3	66.7	61.5	58.9	58.9	58.9	58.9
30°	68.0	61.5	56.3	53.7	53.7	53.7	53.7
32.5°	64.1	56.3	51.1	48.4	48.4	49.8	48.4
35°	57.6	51.1	45.8	43.2	43.2	43.2	43.2
37.5°	52.4	45.8	40.6	38.0	38.0	38.0	36.7
40°	48.4	40.6	35.3	32.7	31.4	31.4	31.4
42.5°	41.9	34.0	30.1	27.4	26.1	26.1	26.1
45°	38.0	30.1	24.8	22.2	22.2	22.2	22.2
47.5°	34.0	26.1	20.9	18.3	18.3	19.6	19.6
50°	30.1	22.2	17.0	17.0	17.0	18.3	18.3
52.5°	26.1	19.6	15.7	15.7	17.0	18.3	18.3
55°	23.5	17.0	14.4	15.7	17.0	18.3	18.3
57.5°	20.9	14.4	14.4	15.7	17.0	18.3	18.3
60°	18.3	13.1	13.1	14.4	17.0	18.3	18.3
62.5°	15.7	13.1	13.1	14.4	17.0	18.3	18.3
65°	14.4	13.1	13.1	14.4	17.0	18.3	18.3
67.5°	13.1	11.8	13.1	14.4	15.7	17.0	17.0
70°	11.8	11.8	13.1	14.4	15.7	17.0	17.0
72.5°	11.8	11.8	11.8	13.1	14.4	15.7	15.7
75°	11.8	11.8	11.8	13.1	14.4	15.7	15.7
77.5°	11.8	10.5	10.5	11.8	14.4	15.7	15.7
80°	11.8	10.5	10.5	11.8	13.1	15.7	15.7
82.5°	9.1	9.1	10.5	11.8	13.1	14.4	14.4
85°	7.8	9.1	9.1	10.5	11.8	14.4	14.4
87.5°	6.5	6.5	7.8	9.1	10.5	11.8	11.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)