

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: P181241

Luminaire Tested: **ICM-E02-LED-E1-T2**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181241
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33671)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-E02-LED-E1-T2
Description: ICON SITE MEDIUM LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2
Light Source: (42) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5700.2 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

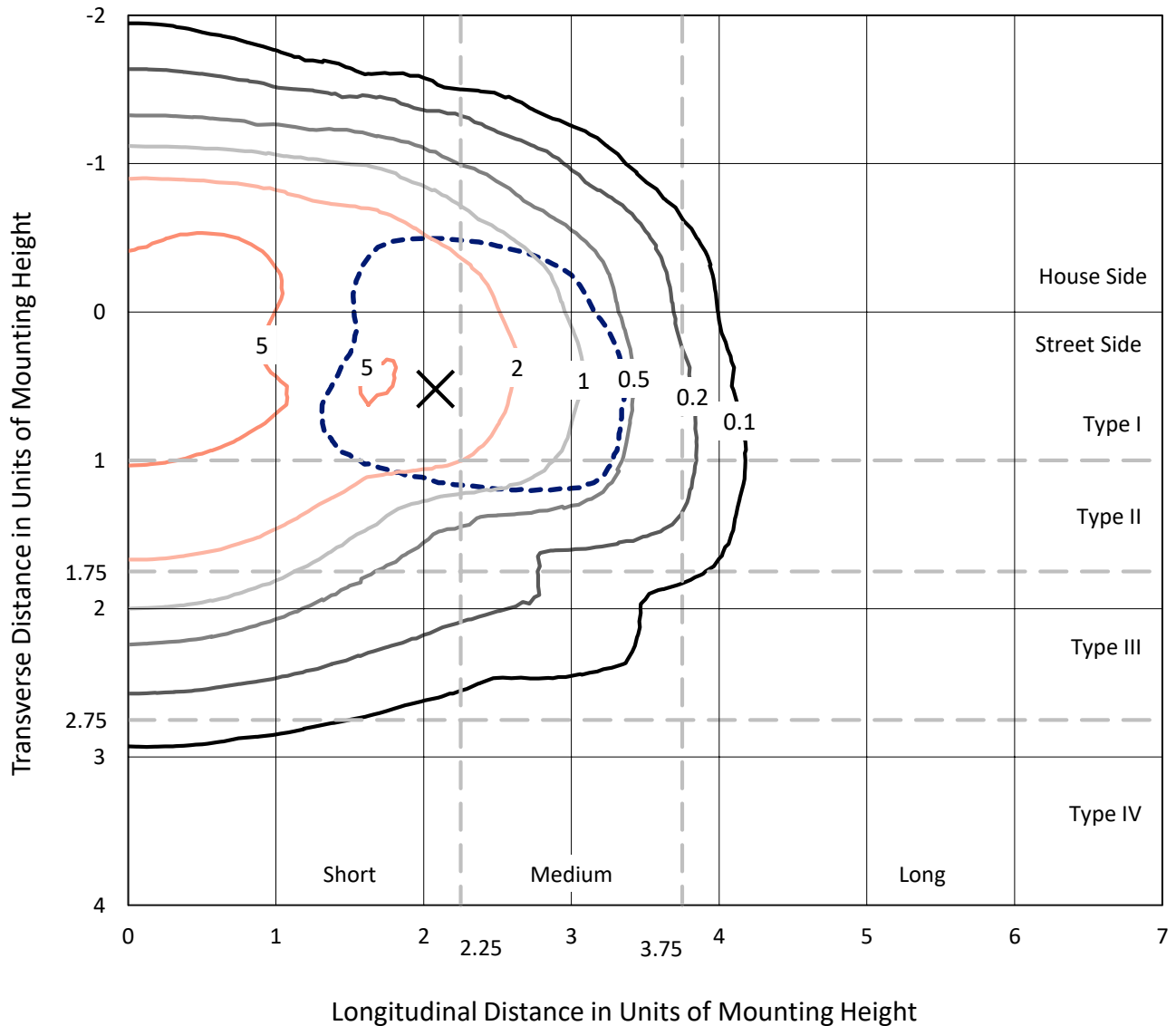
Input Watts (W): 52.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

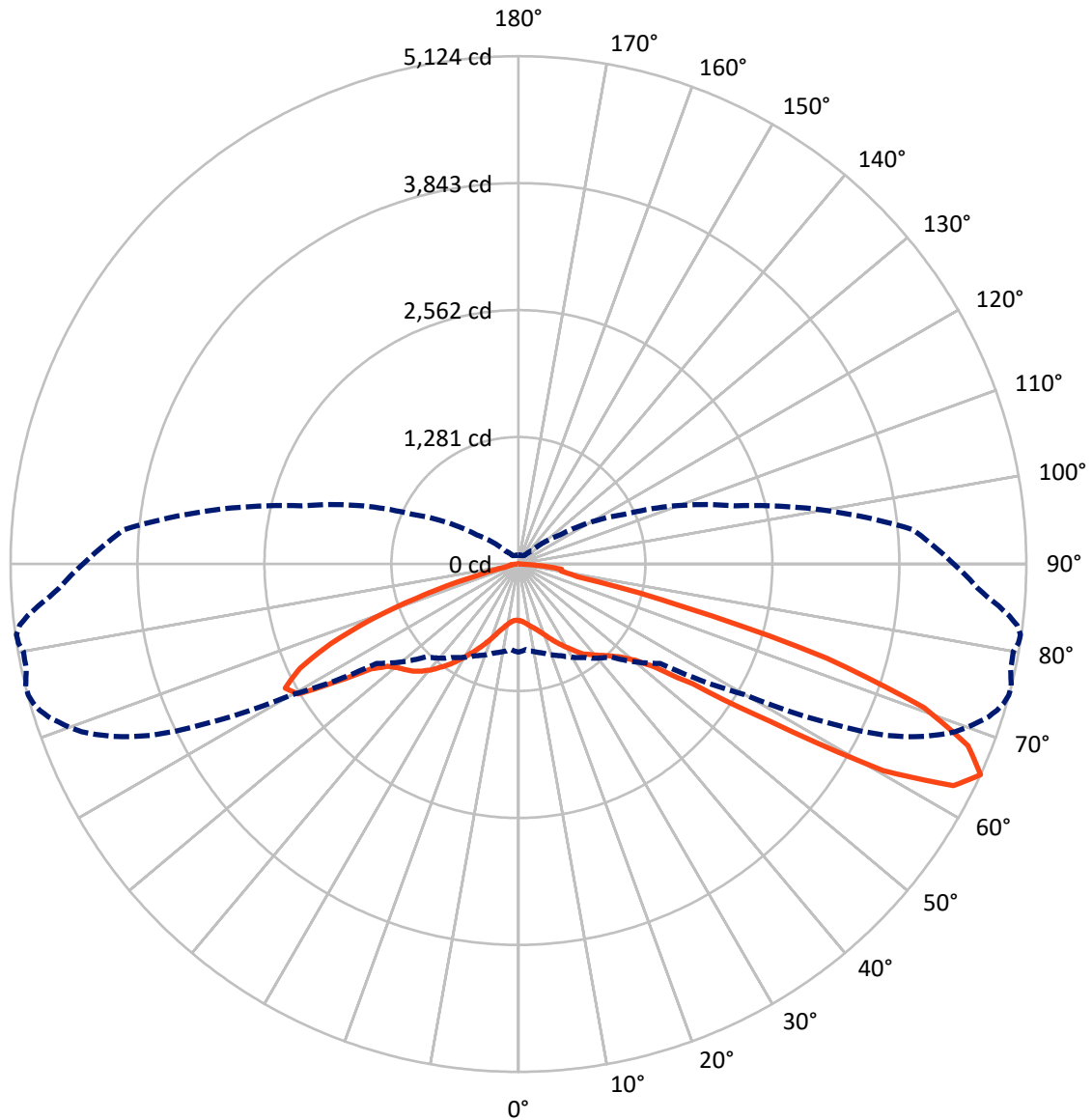
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.9 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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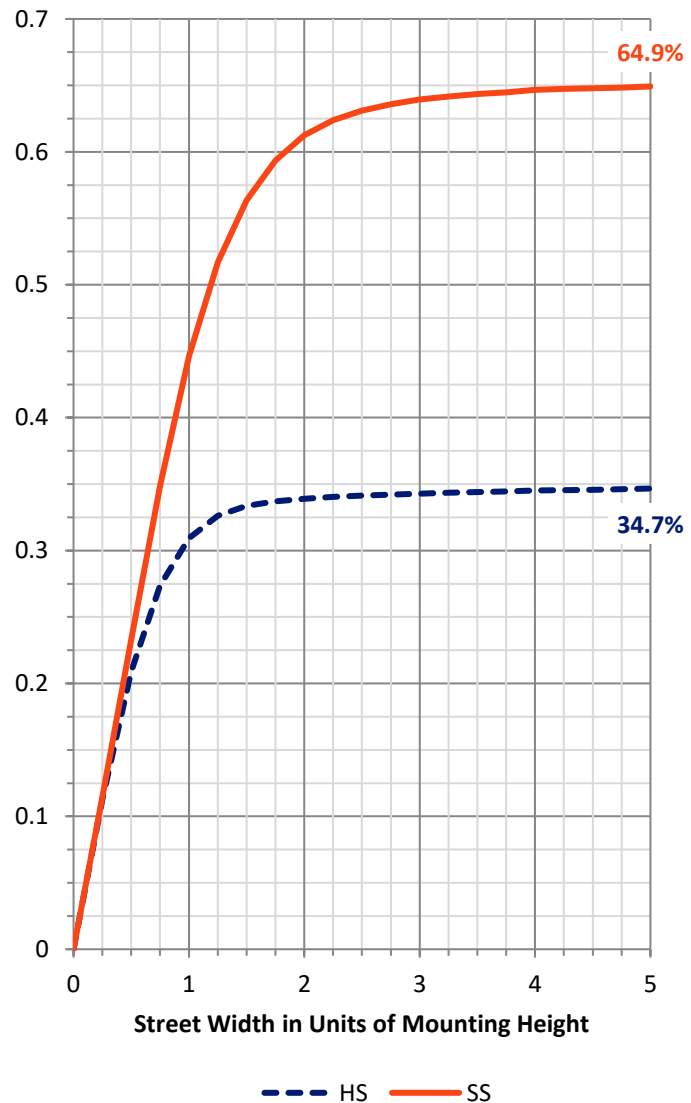
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1996.1	0.0	1996.1
	% Fixture	35.0	0.0	35.0
Street Side	Lumens	3704.2	0.0	3704.2
	% Fixture	65.0	0.0	65.0
Total	Lumens	5700.2	0.0	5700.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.1	1.0
10°-20°	196.0	3.4
20°-30°	385.1	6.8
30°-40°	639.9	11.2
40°-50°	940.3	16.5
50°-60°	1301.8	22.8
60°-70°	1553.8	27.3
70°-80°	549.5	9.6
80°-90°	76.8	1.3
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°	5700.2	100.0
0°-180°	5700.2	100.0

Coefficient of Utilization



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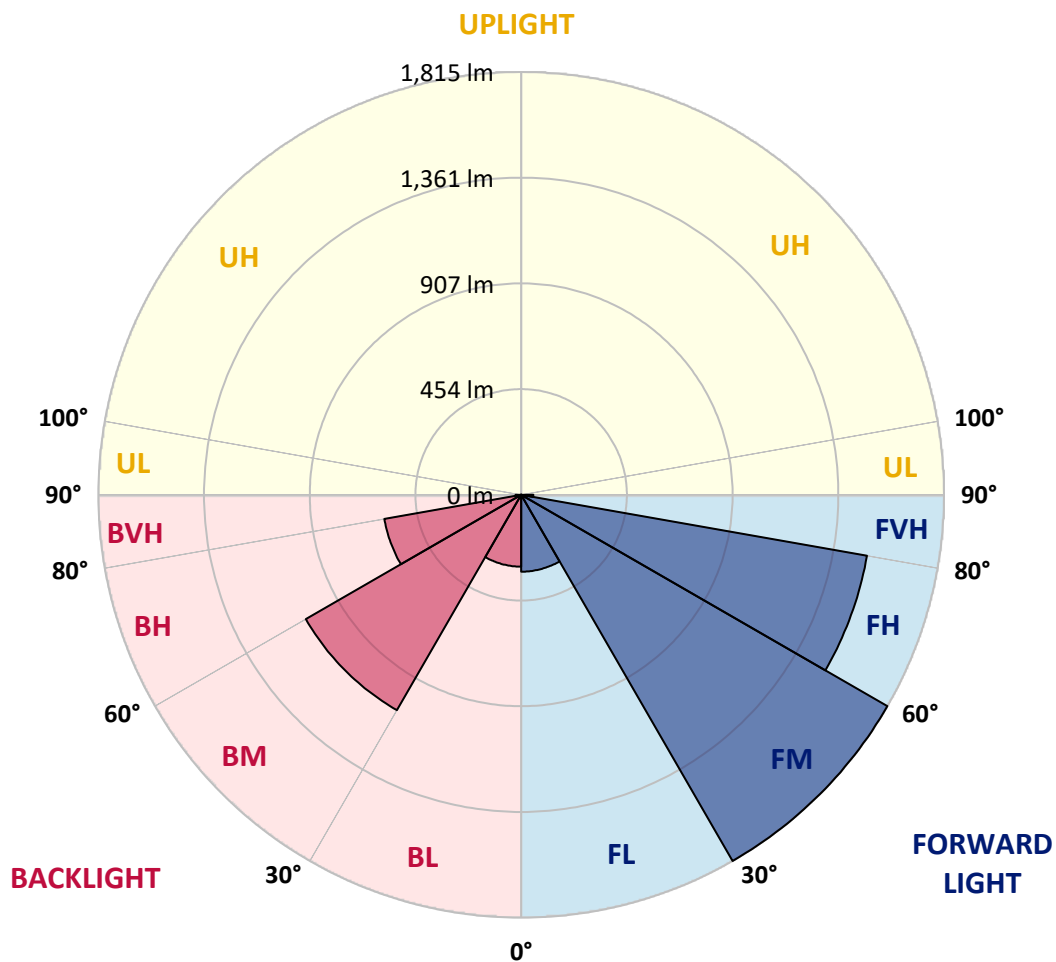
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	329.8	5.8			
FM (30°-60°)	1814.8	31.8			
FH (60°-80°)	1507.1	26.4			G1/1800
FVH (80°-90°)	52.5	0.9			G1/100
BL (0°-30°)	308.4	5.4	B1/500		
BM (30°-60°)	1067.2	18.7	B2/2500		
BH (60°-80°)	596.2	10.5	B2/1000		G2/1000
BVH (80°-90°)	24.3	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	570.0	570.0	570.0	570.0	570.0	570.0	570.0	570.0	570.0	570.0	570.0
2.5°	594.7	595.4	594.1	593.5	591.6	588.6	586.1	583.5	583.5	583.5	581.7
5°	620.7	622.1	619.5	617.7	612.1	609.0	604.7	601.6	600.3	599.7	597.9
7.5°	653.7	651.8	648.1	646.8	642.5	635.6	627.6	621.4	621.4	620.7	621.4
10°	686.5	681.6	679.7	677.9	671.0	662.3	653.0	646.2	645.6	644.9	643.1
12.5°	719.4	717.5	715.6	708.8	702.1	688.4	677.9	671.0	670.4	671.0	668.6
15°	762.8	758.4	756.6	744.8	730.0	715.1	702.1	695.8	694.0	694.6	692.7
17.5°	796.3	796.3	791.9	778.9	759.7	739.3	725.6	721.9	721.2	721.2	721.9
20°	823.0	822.3	818.0	807.4	784.5	764.0	757.2	756.0	755.4	755.4	757.2
22.5°	837.9	836.6	834.7	823.0	804.9	791.4	791.9	795.6	796.9	798.1	800.7
25°	845.3	843.4	842.8	834.7	821.7	819.8	831.0	840.9	843.4	845.9	849.0
27.5°	857.7	854.6	855.8	852.7	849.6	855.2	878.1	888.7	890.5	893.7	895.5
30°	891.8	890.5	895.5	896.7	899.3	907.3	928.4	938.3	942.6	942.6	951.4
32.5°	956.9	957.5	958.8	971.8	976.1	981.7	992.8	1000.9	1001.6	1002.1	1010.2
35°	1044.4	1048.1	1058.6	1069.8	1080.3	1079.7	1072.8	1077.2	1074.1	1077.9	1078.4
37.5°	1154.7	1149.8	1165.3	1190.7	1206.8	1202.5	1172.1	1152.3	1157.9	1155.4	1153.5
40°	1239.7	1245.3	1275.1	1308.6	1320.9	1334.6	1294.9	1260.8	1255.8	1246.5	1240.9
42.5°	1356.9	1357.5	1381.7	1406.5	1442.5	1472.3	1446.8	1397.9	1383.0	1371.8	1347.6
45°	1465.4	1463.5	1483.5	1513.8	1556.6	1599.4	1608.7	1555.4	1549.8	1530.0	1498.3
47.5°	1538.0	1535.5	1549.1	1588.8	1658.3	1728.4	1766.8	1750.7	1740.2	1732.1	1682.5
50°	1587.0	1582.1	1597.5	1639.7	1717.2	1825.1	1925.6	1939.3	1934.9	1934.9	1903.3
52.5°	1623.5	1623.5	1634.7	1668.8	1747.6	1882.2	2062.1	2130.9	2136.5	2142.6	2140.8
55°	1603.1	1606.2	1634.1	1683.7	1766.8	1921.9	2174.9	2325.6	2356.6	2382.6	2412.4
57.5°	1533.0	1543.5	1580.8	1662.1	1771.8	1951.6	2300.2	2598.4	2685.9	2761.6	2879.4
60°	1430.7	1444.4	1498.3	1601.9	1735.2	1903.3	2344.2	2829.1	2968.1	3133.0	3440.7
62.5°	1255.2	1268.8	1321.6	1425.1	1539.3	1717.9	2161.9	2863.3	3085.3	3319.1	3784.2
65°	889.3	867.6	928.4	1021.4	1152.3	1325.3	1747.0	2634.4	2953.8	3270.7	3845.0
67.5°	495.5	493.7	530.9	600.3	725.6	911.6	1203.7	2020.5	2314.4	2673.5	3378.6
70°	341.7	345.4	369.0	444.0	547.6	708.2	857.7	1268.8	1480.3	1724.0	2417.4
72.5°	240.0	248.1	261.1	305.8	411.8	596.6	876.3	758.4	863.9	1030.1	1453.7
75°	140.7	146.3	155.6	177.4	234.4	398.8	907.3	666.7	666.7	705.8	879.4
77.5°	86.8	86.8	92.4	101.1	124.7	195.4	646.2	749.1	728.1	705.8	707.6
80°	44.7	47.7	55.8	60.2	69.5	89.3	290.2	698.9	766.5	811.8	780.2
82.5°	20.5	23.0	34.1	36.6	40.3	47.2	99.8	397.5	532.7	701.4	876.3
85°	10.5	10.5	18.0	22.3	24.2	21.7	36.6	160.7	243.1	370.9	580.5
87.5°	1.9	1.9	3.1	3.7	5.6	4.9	6.2	9.3	15.5	16.7	17.4
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	570.0	570.0	570.0	570.0	570.0	570.0	570.0	570.0	570.0	570.0	570.0
2.5°	581.1	581.7	581.1	580.5	579.3	579.3	579.3	578.6	578.6	578.6	578.0
5°	597.9	595.4	596.0	594.7	594.1	593.5	594.1	592.8	591.6	592.3	591.6
7.5°	618.9	617.7	615.2	615.2	614.6	613.3	613.3	611.4	610.9	609.6	609.0
10°	642.5	639.4	640.7	639.4	640.0	637.5	636.3	635.1	633.8	633.8	634.4
12.5°	666.7	666.1	664.2	663.0	663.0	661.1	661.7	661.1	659.3	658.6	656.7
15°	691.4	691.4	689.6	690.2	689.6	688.4	687.2	687.2	685.9	684.7	685.3
17.5°	720.7	720.7	720.7	720.7	721.2	719.4	720.0	718.8	717.5	720.0	720.0
20°	758.4	760.9	760.9	760.3	763.4	761.6	760.9	764.0	760.9	765.3	764.7
22.5°	801.9	804.4	804.4	806.8	807.4	809.3	810.5	809.3	811.8	814.2	814.2
25°	850.2	852.7	854.6	858.3	860.2	858.9	859.5	862.6	863.9	866.3	868.8
27.5°	901.1	901.7	904.2	908.6	911.6	912.8	913.5	918.4	919.1	920.3	922.8
30°	950.7	956.9	955.6	961.2	963.1	964.9	968.7	970.5	974.9	977.4	977.4
32.5°	1009.0	1007.7	1012.8	1017.0	1020.2	1023.3	1026.3	1028.8	1031.4	1032.6	1038.8
35°	1081.6	1084.0	1084.0	1084.7	1092.1	1092.8	1095.2	1100.8	1102.6	1106.3	1108.8
37.5°	1153.5	1149.1	1148.6	1148.6	1146.1	1147.9	1148.6	1149.1	1151.6	1152.3	1154.7
40°	1234.1	1228.6	1223.5	1220.5	1215.5	1208.7	1207.4	1204.4	1206.2	1205.6	1206.2
42.5°	1344.5	1329.0	1317.2	1308.6	1298.6	1291.2	1285.6	1277.5	1271.9	1265.1	1263.9
45°	1485.3	1456.1	1436.3	1422.1	1407.7	1387.3	1375.5	1363.1	1351.9	1340.8	1331.5
47.5°	1670.1	1639.1	1607.5	1581.4	1559.1	1526.2	1492.8	1474.1	1452.4	1433.2	1419.5
50°	1887.7	1850.5	1835.6	1799.1	1771.2	1721.6	1680.0	1649.6	1606.2	1577.0	1551.6
52.5°	2110.4	2101.1	2093.0	2062.1	2029.1	2000.7	1964.0	1910.7	1866.7	1833.2	1781.1
55°	2413.7	2418.0	2414.9	2398.2	2386.3	2359.1	2344.2	2297.7	2277.9	2229.5	2174.9
57.5°	2924.0	2958.8	3002.8	3020.2	3043.7	3021.4	3047.5	3079.1	3000.3	3027.6	2978.6
60°	3575.8	3735.2	3830.1	3946.7	4023.0	4129.6	4148.9	4176.8	4168.7	4184.2	4215.8
62.5°	3974.0	4163.1	4344.9	4477.0	4618.4	4696.5	4790.7	4856.5	4924.7	4970.5	4957.5
65°	4091.2	4285.9	4450.9	4595.4	4721.9	4817.4	4904.9	4987.3	5050.0	5094.0	5120.0
67.5°	3660.8	3915.1	4088.7	4258.0	4421.1	4521.6	4594.7	4674.7	4766.5	4842.8	4857.7
70°	2754.7	3136.1	3382.3	3585.1	3776.8	3911.9	4014.3	4088.7	4160.0	4214.6	4274.2
72.5°	1722.8	2056.5	2338.0	2600.9	2804.4	2990.4	3076.6	3241.6	3219.8	3261.4	3306.1
75°	1032.6	1195.1	1350.1	1535.5	1642.1	1797.2	1825.1	1852.4	1838.2	1791.6	1826.3
77.5°	717.5	744.2	743.0	732.4	721.2	694.0	658.6	639.4	626.3	607.7	615.2
80°	721.9	664.2	576.1	484.4	400.0	344.2	321.9	321.9	344.8	377.7	410.5
82.5°	862.6	801.2	714.4	597.9	473.8	385.8	326.8	303.3	307.6	341.1	383.3
85°	581.7	595.4	522.1	477.5	378.3	294.6	246.8	200.3	177.4	183.0	207.2
87.5°	21.1	25.4	9.3	12.4	8.7	7.4	7.4	8.1	5.6	6.8	6.2
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	570.0	570.0	570.0	570.0	570.0	570.0	570.0	570.0	570.0	570.0	570.0
2.5°	577.4	576.7	576.7	575.5	575.5	574.9	574.9	574.2	573.7	573.7	573.0
5°	591.0	590.4	589.1	588.6	587.3	587.3	586.7	585.4	585.4	584.2	583.5
7.5°	610.2	609.0	607.7	607.2	606.5	604.7	604.7	603.4	603.4	602.1	601.6
10°	633.2	631.9	630.7	631.4	629.5	628.8	627.6	627.6	625.8	625.1	625.1
12.5°	658.0	657.4	657.4	655.5	654.9	654.2	651.8	651.8	651.8	650.5	651.2
15°	684.7	685.3	683.4	685.3	684.7	682.8	682.8	682.8	680.3	683.4	680.9
17.5°	720.7	722.5	721.2	721.9	720.7	720.7	721.2	720.7	721.9	721.9	725.6
20°	765.3	765.9	769.0	767.7	767.7	767.2	768.4	769.0	771.4	770.2	772.7
22.5°	814.2	817.4	818.0	820.5	820.5	819.8	821.1	823.5	824.8	826.7	826.1
25°	870.1	871.9	874.4	871.4	876.3	876.3	877.5	880.7	881.2	881.2	885.6
27.5°	922.1	927.2	927.7	930.9	929.0	930.2	934.6	936.5	938.9	938.9	940.2
30°	981.1	983.0	984.2	987.9	987.3	987.9	988.6	991.6	991.6	994.7	997.9
32.5°	1041.9	1043.1	1044.4	1048.1	1049.3	1051.8	1050.5	1053.0	1056.1	1056.8	1058.6
35°	1114.4	1115.6	1116.9	1122.5	1123.1	1127.4	1128.7	1127.4	1132.4	1129.3	1132.4
37.5°	1156.6	1162.1	1163.4	1167.2	1165.9	1169.0	1170.9	1173.3	1174.6	1177.0	1182.1
40°	1208.1	1210.0	1213.7	1215.5	1218.0	1218.6	1221.1	1223.0	1224.8	1230.4	1236.0
42.5°	1260.8	1263.3	1265.1	1267.6	1270.7	1273.2	1275.1	1280.7	1281.9	1285.6	1296.1
45°	1324.7	1323.4	1324.0	1324.7	1325.9	1329.0	1334.6	1340.2	1343.9	1352.6	1361.2
47.5°	1404.0	1396.0	1392.8	1387.9	1389.1	1396.0	1397.2	1406.5	1414.0	1422.1	1432.6
50°	1524.4	1502.6	1489.6	1476.6	1475.4	1479.1	1484.0	1494.0	1502.6	1513.2	1528.1
52.5°	1726.5	1684.9	1658.9	1623.0	1613.0	1611.2	1607.5	1613.0	1615.5	1629.8	1657.7
55°	2135.8	2058.9	2009.3	1953.5	1901.4	1885.9	1856.1	1862.3	1856.1	1864.8	1906.3
57.5°	2990.4	2929.0	2880.7	2809.3	2720.0	2625.1	2601.6	2504.2	2523.5	2579.3	2543.3
60°	4231.4	4209.0	4174.3	4140.2	4018.0	3949.1	3837.0	3824.5	3745.8	3746.3	3694.9
62.5°	4925.9	4954.4	4933.3	4923.5	4916.6	4894.9	4839.1	4772.1	4671.7	4599.1	4492.4
65°	5124.4	5100.2	5077.2	5074.2	5072.3	5107.7	5115.7	5068.6	4977.4	4864.5	4741.7
67.5°	4893.1	4879.4	4880.7	4854.6	4870.7	4932.1	4974.9	4961.9	4878.2	4741.7	4585.4
70°	4342.4	4315.7	4343.0	4377.1	4401.2	4436.6	4479.4	4490.0	4413.7	4273.5	4114.2
72.5°	3251.5	3255.8	3281.9	3291.2	3388.6	3378.6	3417.0	3291.8	3236.6	3103.3	3021.4
75°	1711.0	1683.1	1755.6	1601.9	1538.6	1582.6	1459.3	1340.8	1365.6	1386.1	1238.4
77.5°	604.7	565.6	499.3	472.6	393.2	333.0	272.3	245.6	231.4	223.9	214.6
80°	434.1	446.5	432.8	400.7	340.5	272.8	215.2	170.0	145.8	132.7	124.0
82.5°	439.1	488.1	509.8	500.5	445.9	337.4	222.6	142.0	105.4	88.1	81.9
85°	235.6	258.0	248.1	209.0	187.9	112.3	76.9	51.4	43.4	39.7	36.6
87.5°	9.3	7.4	6.2	6.2	6.8	7.4	6.2	6.8	6.2	6.2	6.2
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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CATALOG NUMBER: ICM-E02-LED-E1-T2

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	570.0	570.0	570.0	570.0	570.0	570.0	570.0	570.0	570.0	570.0	570.0
2.5°	571.8	571.8	571.8	571.2	570.0	566.8	563.7	561.2	559.4	557.5	555.1
5°	583.0	581.7	581.7	581.7	576.7	571.8	567.4	563.1	559.4	556.3	553.8
7.5°	601.6	600.9	598.4	597.9	594.1	586.1	581.1	573.7	569.3	564.9	563.7
10°	623.9	623.3	622.6	622.1	617.0	609.0	602.8	596.0	589.8	583.5	577.4
12.5°	650.0	649.3	648.7	646.8	644.9	640.7	633.8	626.3	618.9	605.9	599.1
15°	682.1	683.4	682.1	681.6	680.3	680.9	676.6	666.1	654.2	637.5	623.3
17.5°	724.9	723.7	723.1	725.6	724.9	728.1	726.8	713.2	695.2	668.6	643.7
20°	772.1	772.1	774.6	776.5	782.1	790.1	786.3	769.6	736.7	699.5	667.3
22.5°	828.6	829.8	832.3	831.0	839.7	852.7	854.0	830.4	787.6	736.1	690.9
25°	887.4	888.7	886.2	890.0	904.2	922.8	926.5	893.0	836.6	769.6	710.7
27.5°	943.3	944.5	944.5	949.5	963.1	994.7	998.4	961.2	886.2	798.8	724.9
30°	997.9	1002.8	1004.0	1005.3	1025.8	1069.8	1077.9	1023.9	929.6	820.5	734.9
32.5°	1066.7	1068.6	1071.0	1074.1	1097.7	1151.6	1151.6	1077.9	957.5	834.1	736.7
35°	1140.5	1141.1	1146.7	1147.3	1180.8	1234.7	1224.2	1122.5	977.4	831.0	723.1
37.5°	1185.1	1187.6	1193.2	1200.7	1236.0	1312.3	1288.1	1160.9	981.1	810.5	692.1
40°	1240.3	1245.3	1250.9	1258.3	1311.0	1391.0	1342.1	1185.1	965.6	770.2	645.6
42.5°	1299.8	1306.7	1315.4	1329.0	1391.6	1460.5	1383.0	1188.8	930.2	724.9	590.4
45°	1366.8	1379.3	1389.1	1405.3	1476.0	1520.7	1407.7	1167.2	885.6	665.4	531.4
47.5°	1444.4	1454.2	1471.6	1489.0	1559.7	1561.6	1410.2	1124.9	824.8	605.9	468.8
50°	1539.8	1546.1	1572.1	1582.6	1649.0	1604.4	1392.3	1067.9	760.9	538.9	399.4
52.5°	1667.0	1675.6	1709.1	1725.3	1772.4	1662.6	1366.8	1005.9	687.7	463.9	328.1
55°	1918.2	1956.0	1979.5	2007.5	2037.9	1794.7	1355.6	939.5	605.3	377.0	259.8
57.5°	2623.3	2610.9	2663.0	2726.2	2725.6	2096.8	1422.6	882.5	507.9	288.4	199.7
60°	3673.8	3685.6	3658.9	3696.8	3576.5	2471.4	1514.4	822.3	398.1	214.6	152.6
62.5°	4454.6	4386.4	4348.6	4303.9	4039.1	2512.3	1447.5	698.9	289.6	150.7	117.2
65°	4639.4	4559.4	4478.2	4393.2	3993.8	2264.9	1187.6	512.8	187.3	103.5	93.0
67.5°	4457.1	4328.7	4225.1	4137.7	3659.6	1877.2	868.2	315.1	107.3	83.7	79.3
70°	3984.5	3842.5	3675.1	3577.0	3081.6	1383.5	556.3	170.0	82.5	74.4	72.6
72.5°	2916.6	2800.0	2617.0	2504.9	2212.8	840.9	310.7	95.5	76.9	71.3	68.8
75°	1136.1	1075.4	999.1	1005.3	897.4	372.1	140.7	82.5	75.1	70.0	67.6
77.5°	195.4	190.4	176.1	176.1	200.3	135.8	93.7	83.1	74.4	68.8	64.5
80°	117.2	114.7	109.1	107.9	104.2	95.5	90.0	84.4	73.2	65.1	59.5
82.5°	76.9	73.8	71.9	71.3	77.5	83.7	84.4	83.7	69.5	56.5	48.4
85°	32.8	32.8	32.8	33.5	44.7	67.6	69.5	74.4	57.0	44.0	34.7
87.5°	5.6	6.8	6.8	7.4	8.1	14.9	18.6	24.2	19.3	18.6	16.7
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):

	165°	175°	180°
0°	570.0	570.0	570.0
2.5°	554.4	553.2	553.2
5°	552.6	551.4	551.9
7.5°	560.0	557.5	558.1
10°	573.7	571.2	570.0
12.5°	591.0	587.9	587.9
15°	609.0	601.6	600.9
17.5°	623.9	614.6	613.3
20°	640.7	628.2	626.3
22.5°	656.1	639.4	636.9
25°	667.3	646.8	643.7
27.5°	672.3	648.1	645.6
30°	676.0	648.7	644.9
32.5°	672.3	643.1	640.0
35°	651.8	620.2	618.3
37.5°	616.5	581.1	578.6
40°	570.0	532.7	526.5
42.5°	510.4	475.6	468.8
45°	452.7	413.0	410.0
47.5°	390.7	352.8	354.7
50°	325.6	291.4	290.9
52.5°	263.5	233.8	231.9
55°	207.7	186.7	184.8
57.5°	164.4	153.2	151.3
60°	134.0	128.4	126.5
62.5°	107.9	106.0	105.4
65°	90.0	90.0	90.0
67.5°	78.1	78.8	78.8
70°	71.9	72.6	71.9
72.5°	69.5	71.3	71.3
75°	67.6	68.8	66.3
77.5°	66.3	67.0	62.6
80°	65.8	65.1	57.0
82.5°	57.0	55.2	48.4
85°	52.1	39.7	33.5
87.5°	26.7	18.6	14.2
90°	0.0	0.0	0.0

(END OF REPORT)