

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: P181618

Luminaire Tested: **ICM-E01-LED-E1-T4-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181618
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33673)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-E01-LED-E1-T4-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2567.6 lumens
Efficiency: N/A
Efficacy: 104.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 24.7
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

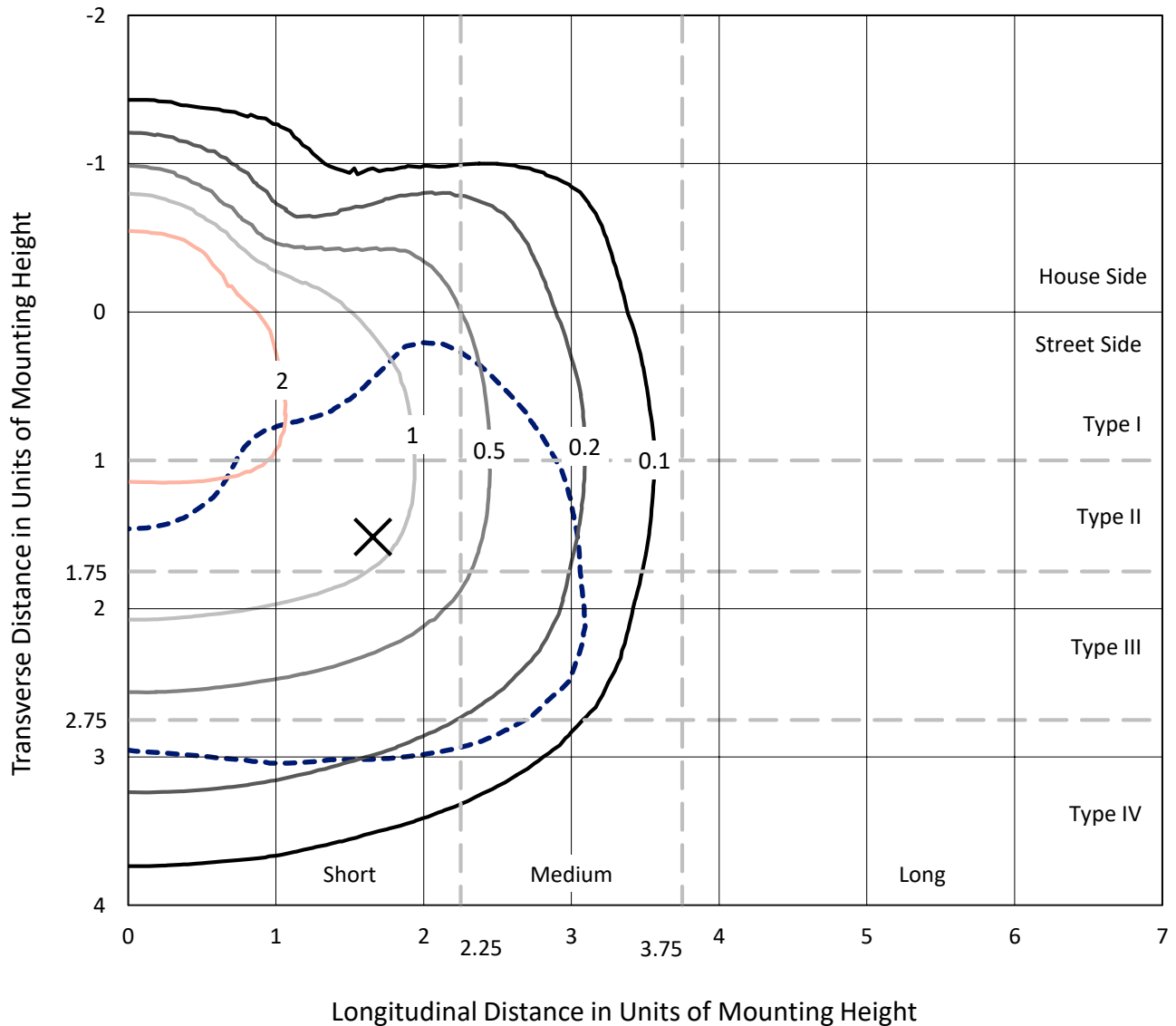


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

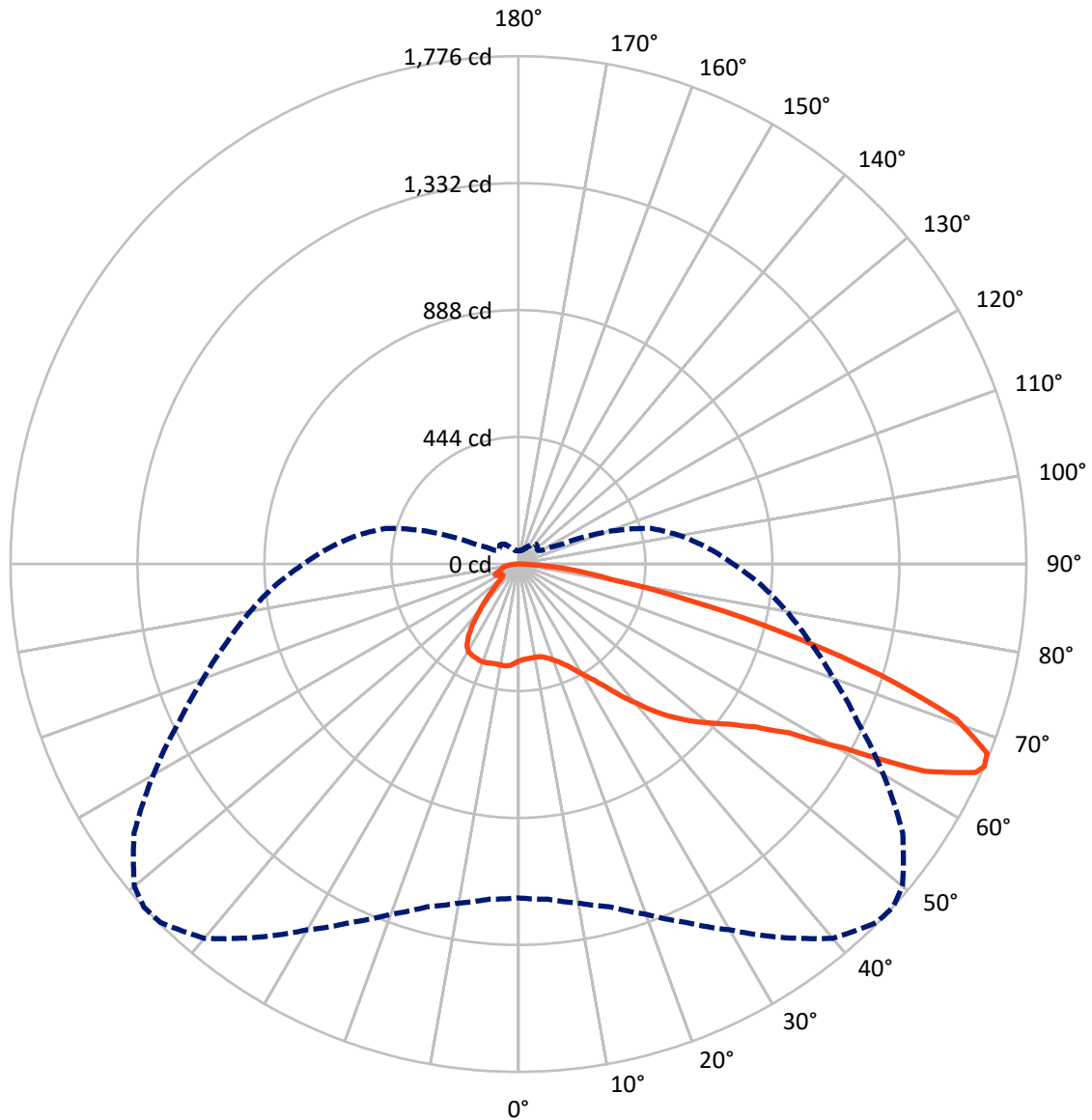


Based on 10 foot mounting height. Maximum calculated value = 3.5 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 47.5-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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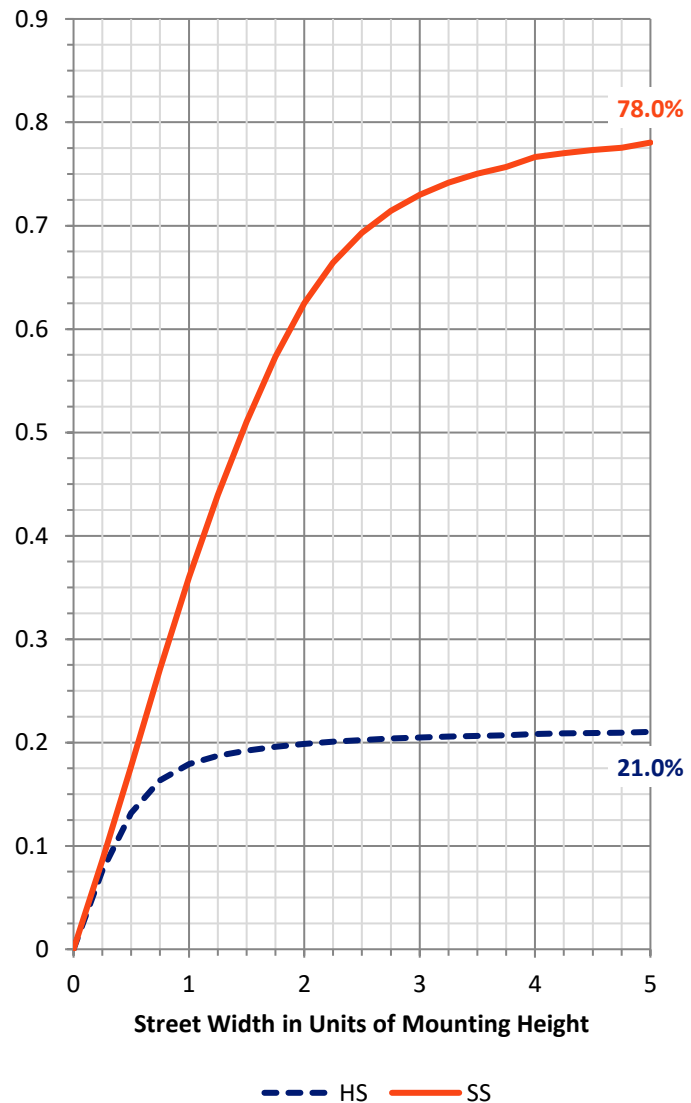
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	547.9	0.0	547.9
	% Fixture	21.3	0.0	21.3
Street Side	Lumens	2019.8	0.0	2019.8
	% Fixture	78.7	0.0	78.7
Total	Lumens	2567.6	0.0	2567.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.9	1.3
10°-20°	99.8	3.9
20°-30°	171.9	6.7
30°-40°	260.0	10.1
40°-50°	337.0	13.1
50°-60°	464.7	18.1
60°-70°	721.9	28.1
70°-80°	419.8	16.3
80°-90°	59.7	2.3
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°	2567.6	100.0
0°-180°	2567.6	100.0



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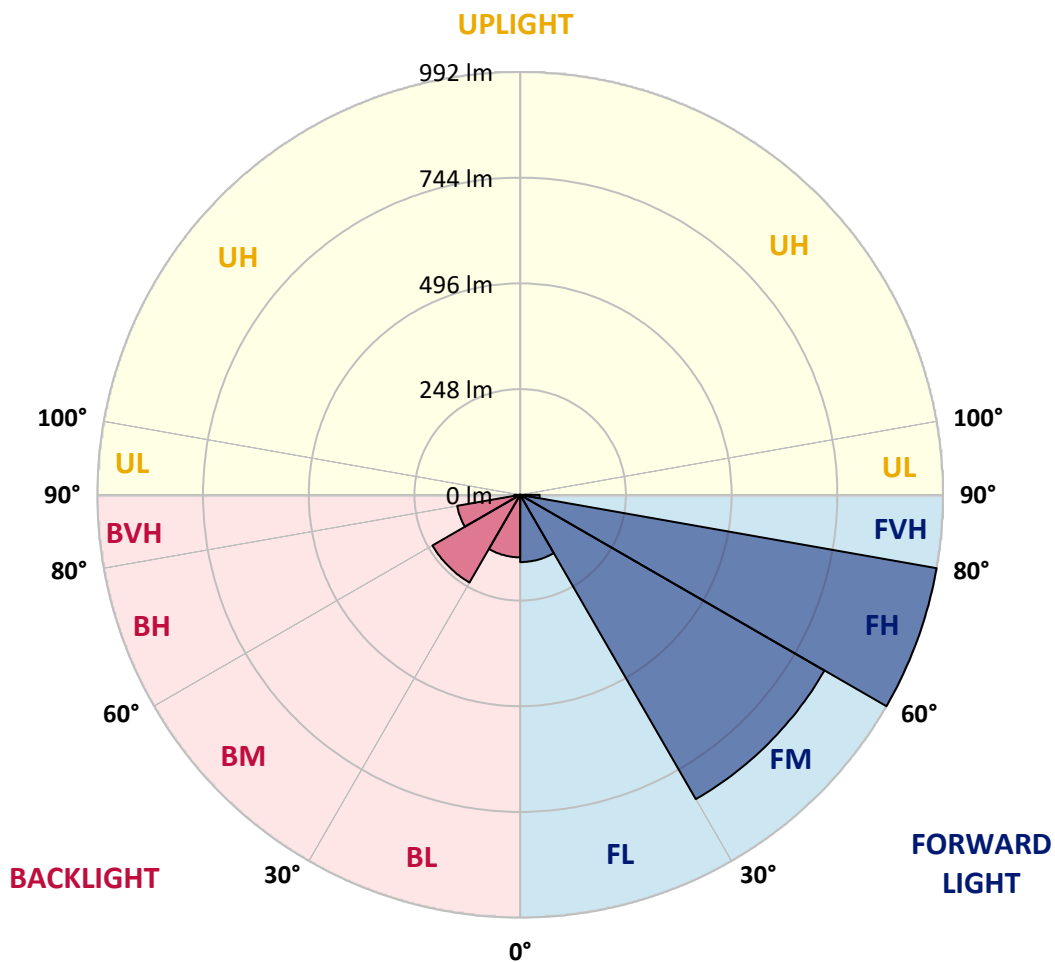
CATALOG NUMBER: ICM-E01-LED-E1-T4-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	157.9	6.1			
FM	(30°-60°)	824.2	32.1			
FH	(60°-80°)	991.9	38.6			G1/1800
FVH	(80°-90°)	45.8	1.8			G1/100
BL	(0°-30°)	146.6	5.7	B1/500		
BM	(30°-60°)	237.5	9.2	B1/1000		
BH	(60°-80°)	149.8	5.8	B1/500		G1/500
BVH	(80°-90°)	13.9	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	47.5°
0°	338.4	338.4	338.4	338.4	338.4	338.4	338.4	338.4	338.4	338.4	338.4
2.5°	332.2	333.3	332.5	332.7	332.7	333.0	333.0	333.3	333.0	333.9	334.5
5°	326.2	326.8	326.5	327.1	327.6	328.8	328.6	330.0	330.2	331.1	332.5
7.5°	324.0	323.4	323.7	324.6	325.1	325.7	326.2	327.4	328.3	330.2	331.4
10°	326.2	326.0	326.2	326.8	326.8	327.1	326.5	327.6	328.3	330.0	331.1
12.5°	335.6	335.6	335.1	335.1	334.5	333.9	332.5	331.6	331.4	331.6	332.2
15°	350.6	350.0	348.9	348.1	347.0	344.9	343.0	341.3	340.1	338.4	337.9
17.5°	365.3	364.5	363.4	362.2	360.8	358.8	355.7	353.8	350.6	348.7	347.5
20°	382.3	380.7	379.3	377.8	375.0	374.4	371.3	367.9	364.2	359.7	359.1
22.5°	404.5	401.6	399.9	399.1	396.2	395.4	390.2	385.5	380.9	375.0	373.6
25°	426.8	424.0	423.1	422.0	420.0	418.9	414.0	408.7	402.7	394.5	392.8
27.5°	448.6	448.9	446.6	447.4	446.9	444.9	440.1	434.7	430.2	420.6	418.6
30°	475.8	474.0	472.9	474.7	472.7	472.9	468.7	465.9	458.5	452.8	448.9
32.5°	504.1	503.8	505.5	506.7	506.4	505.8	502.4	499.5	493.0	484.8	483.2
35°	542.9	544.7	546.0	551.2	551.2	554.8	551.4	548.0	540.4	530.4	527.1
37.5°	569.2	569.9	575.4	582.2	590.8	598.7	600.9	601.9	598.7	591.4	586.2
40°	593.3	594.4	603.5	614.0	626.4	642.1	651.4	655.6	656.5	653.1	642.1
42.5°	617.4	619.1	628.5	643.7	661.0	680.8	697.3	707.7	713.7	713.7	707.2
45°	645.4	647.7	657.9	674.6	694.7	719.6	742.3	762.4	772.0	772.6	766.3
47.5°	678.6	680.6	692.5	709.4	730.1	755.4	783.9	806.9	824.7	825.9	820.7
50°	721.3	724.2	734.1	749.4	770.6	796.1	824.7	856.7	875.4	879.9	874.5
52.5°	778.0	778.5	786.8	800.9	821.6	846.0	876.3	911.1	935.7	939.4	930.6
55°	856.2	855.3	860.7	876.0	891.5	910.5	942.0	981.0	1008.5	1014.1	1005.1
57.5°	962.3	961.5	966.1	969.7	998.9	1017.3	1048.2	1085.6	1112.2	1128.6	1113.0
60°	1126.9	1126.1	1133.4	1154.9	1176.8	1203.6	1233.7	1278.4	1315.8	1320.7	1305.3
62.5°	1246.1	1250.3	1266.5	1291.7	1335.9	1388.6	1443.5	1502.4	1579.2	1603.5	1596.2
65°	1204.5	1213.0	1235.4	1273.6	1332.5	1405.3	1491.4	1598.1	1700.9	1758.4	1756.8
66°	1167.1	1176.5	1203.9	1240.8	1303.1	1382.6	1476.7	1593.0	1708.0	1771.5	1775.5
67.5°	1099.2	1109.6	1136.6	1180.1	1240.8	1325.4	1426.5	1553.1	1683.1	1757.0	1767.5
70°	966.9	978.8	998.3	1034.3	1094.1	1169.7	1276.2	1389.4	1525.7	1610.3	1623.1
72.5°	808.3	818.8	840.6	870.1	919.0	966.6	1050.1	1133.7	1231.1	1327.7	1318.3
75°	580.3	584.8	597.9	629.9	656.2	699.0	766.1	834.6	901.2	945.4	951.6
77.5°	301.6	313.5	331.9	367.4	395.9	434.4	478.0	529.6	578.3	618.8	607.7
80°	197.4	202.5	218.9	237.0	258.0	282.6	311.8	331.1	337.3	334.8	337.3
82.5°	113.9	123.2	145.0	158.9	174.4	183.0	206.1	228.3	240.7	225.1	219.4
85°	14.4	18.7	58.9	74.2	84.9	97.7	104.7	118.1	110.1	98.5	120.1
87.5°	3.1	2.8	4.0	8.5	8.7	7.3	13.9	14.7	9.0	4.6	5.7
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):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	338.4	338.4	338.4	338.4	338.4	338.4	338.4	338.4	338.4	338.4	338.4
2.5°	335.1	335.4	335.9	336.7	337.3	337.9	338.4	339.3	339.8	340.4	341.6
5°	333.6	334.8	335.9	337.0	338.4	340.7	342.1	343.3	344.4	346.6	347.5
7.5°	332.7	334.8	336.5	338.4	340.7	342.7	345.2	346.6	348.4	349.8	351.4
10°	332.2	335.1	336.7	339.5	342.1	344.1	347.0	348.7	350.6	352.3	353.1
12.5°	333.3	334.8	336.5	339.3	342.4	345.2	348.4	349.8	351.4	352.8	353.1
15°	338.1	338.1	338.4	340.7	343.8	346.0	348.7	350.0	350.9	351.7	351.7
17.5°	347.0	344.9	343.5	343.8	345.8	347.3	348.7	348.7	348.1	347.8	347.3
20°	357.1	354.6	351.7	349.8	349.2	348.1	347.3	344.4	342.1	340.1	338.7
22.5°	371.8	367.9	363.9	360.3	356.8	352.6	347.8	342.1	336.7	333.0	330.8
25°	390.0	386.9	382.0	376.4	372.1	364.2	358.0	349.8	343.0	338.1	334.2
27.5°	415.7	412.1	407.5	402.4	396.2	387.4	379.8	370.1	362.0	354.9	349.8
30°	447.7	443.0	439.5	433.3	429.0	419.2	411.5	399.6	383.7	372.5	365.3
32.5°	480.7	475.3	472.4	467.5	462.8	456.8	445.2	426.8	406.4	388.0	375.8
35°	524.5	518.9	513.8	509.5	502.4	491.4	481.2	459.1	431.1	405.3	384.8
37.5°	579.7	570.4	557.7	546.9	534.4	518.5	503.0	480.3	448.3	414.9	387.7
40°	638.6	622.2	604.1	584.0	562.4	539.5	521.7	498.7	462.8	423.1	385.8
42.5°	700.1	674.1	648.8	620.6	590.5	563.4	540.1	514.9	473.5	425.4	377.8
45°	761.0	731.8	693.6	656.5	618.5	584.8	558.8	530.4	483.4	426.2	367.4
47.5°	811.4	781.4	737.8	691.4	646.3	608.1	577.5	546.9	496.7	432.2	364.7
50°	864.7	828.1	779.7	724.7	673.8	631.0	598.4	566.7	515.4	447.4	373.0
52.5°	922.7	880.7	824.1	762.7	706.9	659.1	623.6	591.1	539.3	469.0	388.6
55°	993.5	942.2	880.7	811.4	751.6	698.7	659.6	621.1	567.5	494.5	408.1
57.5°	1101.7	1038.8	969.7	890.7	824.5	761.9	715.1	670.6	611.4	532.5	434.7
60°	1297.4	1230.2	1140.5	1044.8	966.9	893.8	825.3	770.1	697.3	607.2	493.7
62.5°	1577.8	1488.6	1368.8	1234.8	1132.8	1027.4	950.1	868.0	777.7	680.6	563.0
65°	1733.5	1625.3	1465.0	1309.6	1178.4	1064.0	965.8	870.6	770.3	677.4	579.2
66°	1752.8	1640.1	1473.6	1309.9	1172.2	1054.7	951.3	852.7	750.2	661.6	572.4
67.5°	1744.8	1629.6	1458.0	1285.2	1145.3	1019.0	912.2	810.0	707.7	625.0	549.7
70°	1614.9	1505.6	1337.0	1169.7	1036.8	912.2	810.2	709.8	616.0	545.2	489.7
72.5°	1341.0	1247.5	1101.1	969.7	865.5	762.7	676.3	580.3	501.0	448.6	415.7
75°	968.0	911.4	778.0	702.6	611.2	542.9	459.1	402.1	345.2	319.7	314.0
77.5°	611.4	535.3	450.6	371.0	305.0	252.9	196.8	167.1	139.3	136.5	164.8
80°	309.6	278.7	214.7	171.1	143.9	116.4	92.0	69.7	48.7	58.6	70.2
82.5°	202.8	169.1	132.6	109.0	94.9	78.7	61.2	42.5	31.2	35.2	48.2
85°	109.6	93.5	75.3	59.4	48.2	43.1	28.9	20.4	20.1	21.5	27.4
87.5°	7.9	7.9	6.2	5.7	6.8	5.7	5.1	5.1	4.8	5.1	6.8
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	338.4	338.4	338.4	338.4	338.4	338.4	338.4	338.4	338.4	338.4	338.4
2.5°	342.1	343.0	343.3	344.7	345.5	346.0	346.6	346.6	347.0	347.8	348.1
5°	348.7	350.0	351.7	352.8	353.5	355.2	355.7	355.7	356.3	357.4	358.2
7.5°	352.6	354.6	356.3	356.8	358.0	358.5	359.4	360.0	360.0	361.1	361.7
10°	354.0	355.2	356.8	356.8	358.0	358.0	358.8	359.1	359.1	360.3	361.1
12.5°	354.0	354.6	356.0	356.0	356.8	357.1	358.2	359.1	359.4	360.8	362.0
15°	352.3	352.8	354.0	354.3	356.3	357.4	360.0	361.7	361.7	363.1	363.6
17.5°	347.5	348.9	351.2	353.5	357.1	359.7	362.8	364.2	363.1	362.2	361.4
20°	339.5	342.1	347.5	353.1	359.7	363.1	364.7	363.4	359.4	355.4	352.8
22.5°	331.6	336.7	345.8	354.3	361.7	363.9	363.1	358.0	351.4	346.6	343.3
25°	335.4	341.3	350.0	357.7	362.5	362.0	358.5	351.4	344.4	338.1	332.5
27.5°	350.6	357.1	362.0	364.5	363.9	360.0	354.6	346.6	338.1	330.0	322.0
30°	365.0	368.5	369.6	367.6	363.1	356.6	349.8	340.7	329.4	319.2	310.1
32.5°	371.5	368.2	362.8	357.4	350.0	344.4	335.1	325.1	311.0	298.8	289.8
35°	371.5	358.0	344.4	333.0	322.0	314.9	304.2	290.9	277.9	267.6	260.6
37.5°	363.4	337.3	314.9	296.6	282.6	275.0	258.9	247.0	235.9	232.6	228.0
40°	348.4	309.9	277.6	253.5	235.9	224.6	208.5	200.2	196.0	194.3	193.4
42.5°	328.3	279.3	236.2	206.4	187.4	174.7	164.0	158.9	158.6	158.3	158.3
45°	306.7	246.4	196.0	160.6	143.9	132.6	127.4	125.5	127.2	126.9	127.2
47.5°	293.4	221.5	159.2	121.5	108.7	101.4	98.9	99.7	101.1	100.6	100.6
50°	291.7	208.7	134.5	94.6	84.9	81.3	80.7	80.7	81.6	81.0	80.7
52.5°	298.0	206.7	121.8	81.3	73.7	70.5	70.0	69.7	69.4	67.7	66.2
55°	308.7	211.3	118.1	77.9	70.0	66.5	65.7	65.1	64.0	61.8	59.2
57.5°	330.2	225.4	121.5	79.6	71.1	68.3	67.4	67.4	65.1	61.5	57.8
60°	382.0	261.4	135.3	86.1	76.5	73.7	74.2	74.0	70.5	65.1	59.4
62.5°	448.9	308.4	153.5	95.2	83.3	82.7	85.5	84.9	79.3	71.1	62.9
65°	479.7	330.5	158.6	97.1	84.7	87.3	92.9	92.4	85.2	74.0	63.4
66°	480.3	330.5	156.4	95.4	82.7	85.8	91.4	91.2	84.1	72.7	62.3
67.5°	468.7	321.5	149.9	92.0	78.7	81.0	86.1	85.8	79.3	70.0	60.0
70°	425.1	287.7	133.1	86.1	73.4	72.2	74.0	72.7	68.6	62.0	55.3
72.5°	364.2	241.6	116.1	81.6	69.7	65.1	64.0	63.2	59.7	56.1	51.8
75°	286.9	191.2	102.0	78.1	66.2	60.3	58.3	57.2	55.0	52.4	49.0
77.5°	177.0	136.7	88.9	73.7	63.7	57.8	56.4	54.7	51.3	48.2	45.6
80°	79.0	84.7	73.0	64.3	56.9	51.5	49.3	46.7	43.3	41.3	39.9
82.5°	52.7	54.7	52.9	48.2	43.1	38.8	35.4	35.4	34.8	33.1	32.6
85°	33.7	34.0	32.8	29.8	27.7	25.2	23.8	24.1	25.2	24.9	24.7
87.5°	7.6	7.6	9.0	8.5	10.0	10.5	11.3	12.2	13.9	13.9	14.7
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: P181618

CATALOG NUMBER: ICM-E01-LED-E1-T4-7030

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
0°	338.4	338.4	338.4	338.4	338.4
2.5°	348.4	348.9	349.5	348.7	348.9
5°	358.2	358.0	359.4	358.5	359.1
7.5°	361.4	361.7	362.8	362.8	363.1
10°	361.7	362.2	363.6	364.5	365.0
12.5°	363.1	364.2	366.5	367.1	367.1
15°	364.2	364.7	366.2	366.8	367.4
17.5°	360.3	359.1	359.7	360.0	359.7
20°	350.3	349.2	348.9	347.8	348.4
22.5°	339.5	336.5	334.5	332.2	332.2
25°	326.5	321.8	317.8	313.8	314.6
27.5°	314.3	308.1	304.2	301.6	301.0
30°	302.5	296.0	292.3	289.1	289.1
32.5°	282.6	278.1	273.3	271.4	271.1
35°	255.2	252.4	248.4	247.5	246.1
37.5°	224.3	223.4	220.1	219.8	218.3
40°	192.0	192.6	191.4	190.9	190.0
42.5°	159.7	162.6	162.0	161.7	161.1
45°	128.8	130.9	131.2	132.0	133.4
47.5°	101.4	102.0	102.5	102.2	102.5
50°	79.3	77.9	77.6	76.7	77.6
52.5°	64.0	61.8	60.7	59.4	58.9
55°	56.4	54.0	52.9	52.4	51.8
57.5°	54.4	52.1	50.4	49.3	49.0
60°	55.0	51.5	49.3	47.9	47.5
62.5°	56.4	51.8	48.7	47.3	47.0
65°	56.1	51.3	48.5	46.7	46.4
66°	55.3	50.7	47.9	46.4	46.1
67.5°	53.8	49.9	47.3	46.1	45.6
70°	51.3	48.7	46.7	45.3	44.7
72.5°	49.0	47.0	45.3	43.9	43.6
75°	46.4	44.7	43.1	42.0	41.7
77.5°	43.3	41.7	40.5	39.6	39.3
80°	38.2	37.1	36.0	34.8	34.8
82.5°	31.7	30.9	29.8	28.9	28.6
85°	24.4	24.4	23.5	22.7	22.4
87.5°	14.4	14.1	14.1	13.3	13.3
90°	0.0	0.0	0.0	0.0	0.0

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