

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: P180856

Luminaire Tested: **ICM-E01-LED-E1-SL4-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180856
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33680)
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-SL4-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2319.3 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Full Cutoff
BUG Rating: B1 - U0 - G1

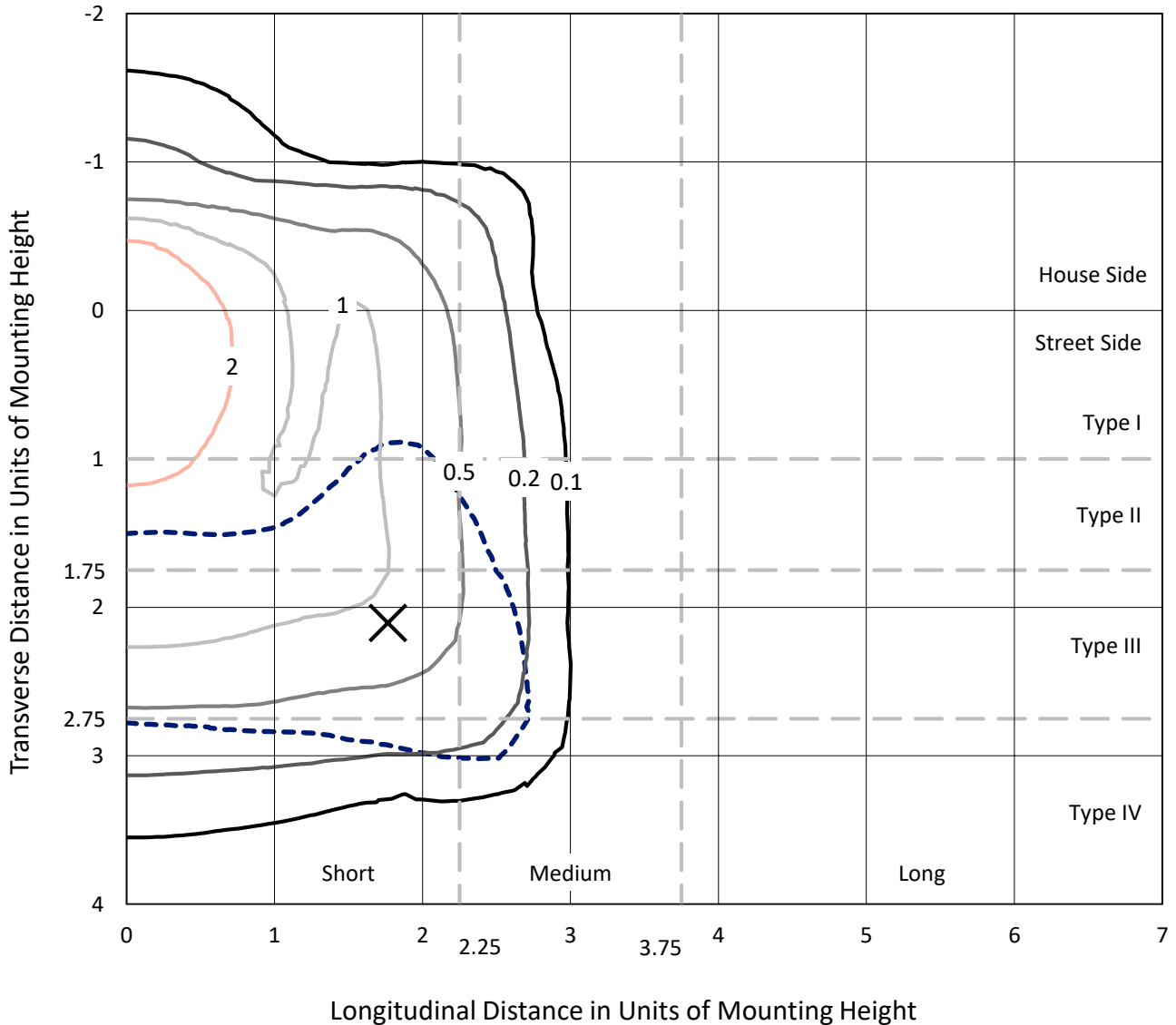
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

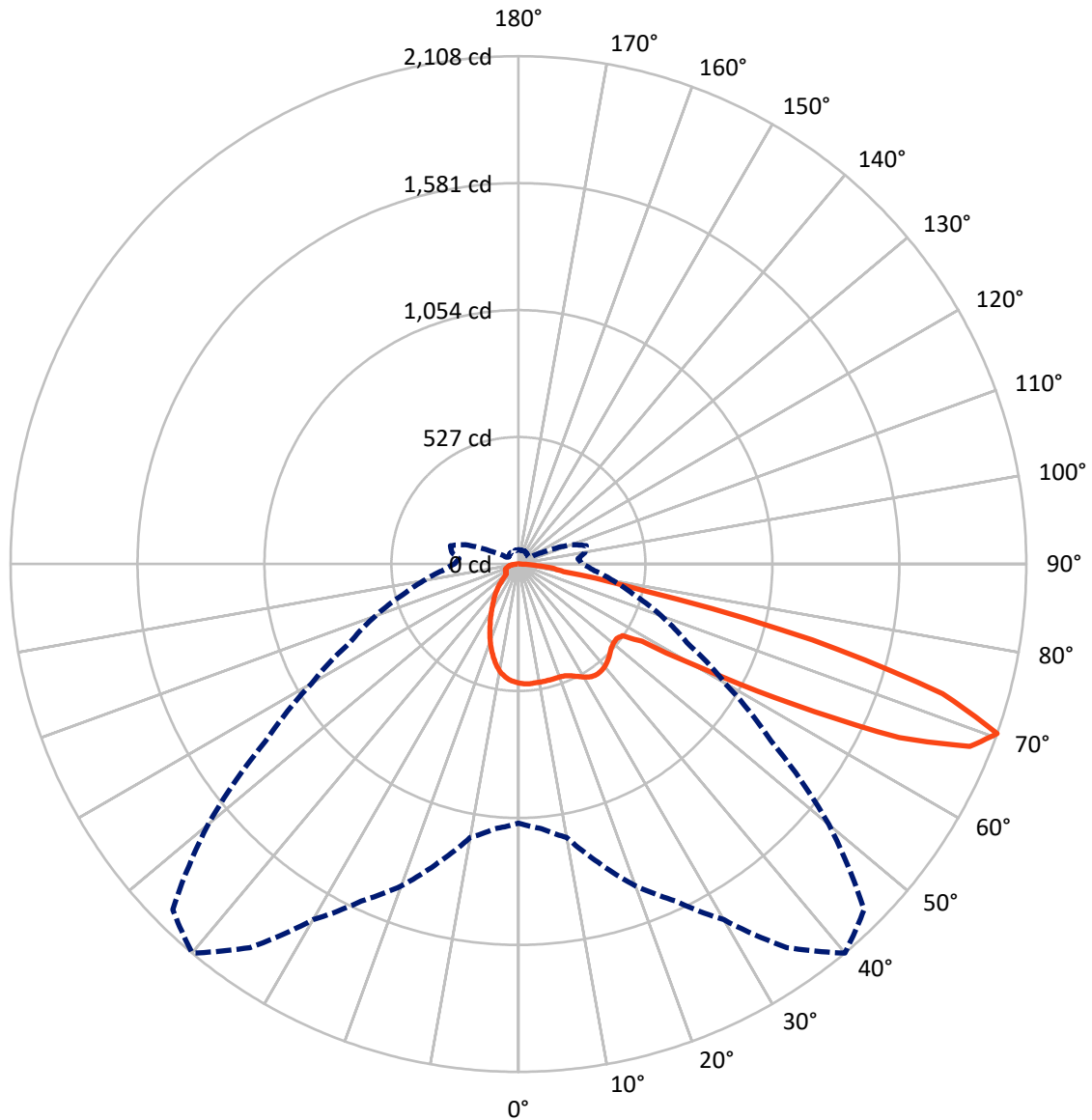
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5 fc
 Type IV - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	481.5	0.0	481.5
	% Fixture	20.8	0.0	20.8
Street Side	Lumens	1837.9	0.0	1837.9
	% Fixture	79.2	0.0	79.2
Total	Lumens	2319.3	0.0	2319.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.2	2.0
10°-20°	126.6	5.5
20°-30°	187.4	8.1
30°-40°	236.8	10.2
40°-50°	267.8	11.5
50°-60°	381.1	16.4
60°-70°	709.7	30.6
70°-80°	325.3	14.0
80°-90°	38.6	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°	2319.3	100.0
0°-180°	2319.3	100.0



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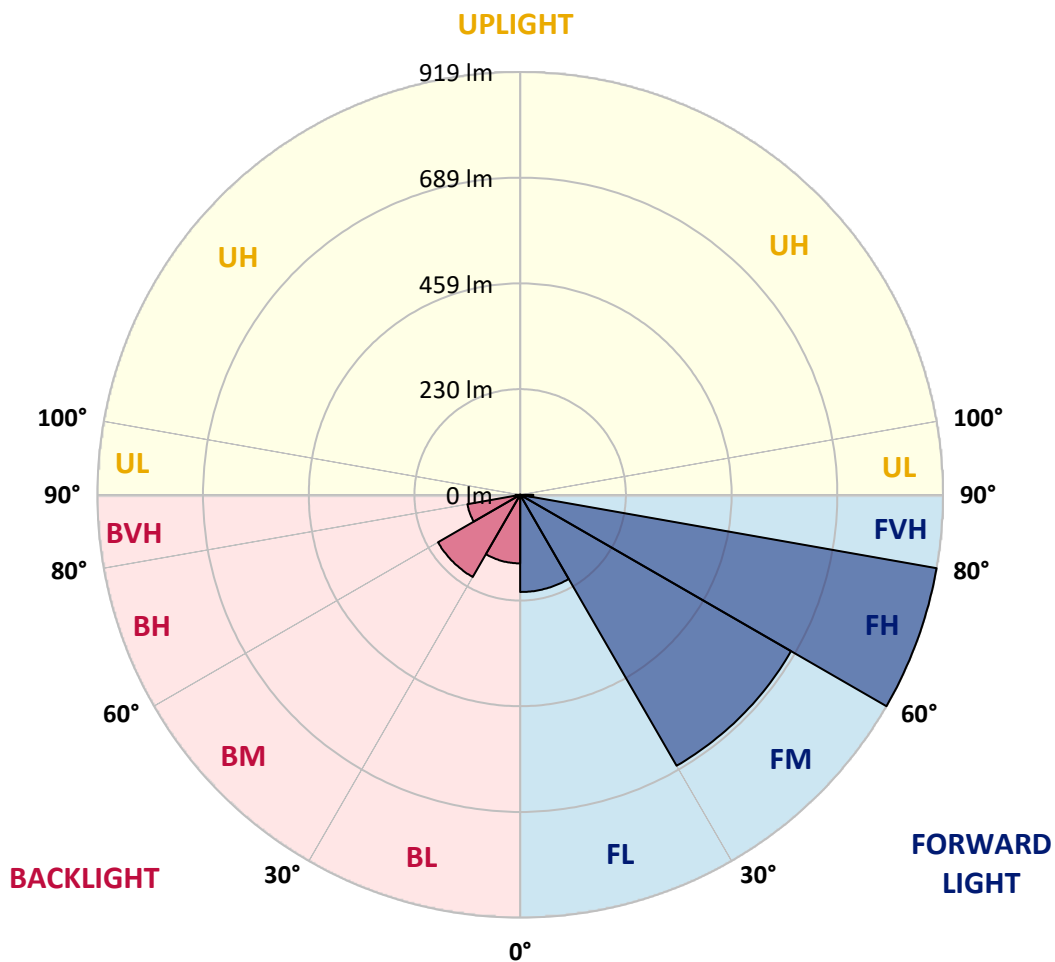
CATALOG NUMBER: ICM-E01-LED-E1-SL4-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	211.2	9.1			
FM	(30°-60°)	679.5	29.3			
FH	(60°-80°)	918.5	39.6			G1/1800
FVH	(80°-90°)	28.6	1.2			G1/100
BL	(0°-30°)	149.0	6.4	B1/500		
BM	(30°-60°)	206.1	8.9	B0/220		
BH	(60°-80°)	116.4	5.0	B1/500		G1/500
BVH	(80°-90°)	10.0	0.4			G0/10
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°	50°
0°	494.9	494.9	494.9	494.9	494.9	494.9	494.9	494.9	494.9	494.9	494.9
2.5°	502.5	503.8	502.2	502.0	502.0	501.7	500.1	499.8	497.8	498.0	498.5
5°	506.1	506.7	505.6	505.3	504.8	503.8	502.5	500.9	499.4	497.8	496.5
7.5°	509.8	509.3	508.5	508.5	507.7	506.1	503.5	501.4	498.0	496.2	493.9
10°	515.1	514.2	513.2	512.7	511.4	509.0	505.3	502.5	498.3	494.6	490.7
12.5°	520.0	519.7	518.1	517.4	515.3	512.9	508.5	504.0	498.5	492.7	487.5
15°	528.9	527.8	526.3	524.7	521.3	518.1	511.4	506.1	498.3	490.7	482.6
17.5°	544.4	542.5	540.9	537.6	533.4	527.8	518.0	509.0	498.3	487.3	478.1
20°	572.7	568.7	566.6	562.1	554.8	544.8	529.4	515.1	499.1	484.9	472.7
22.5°	604.6	602.0	599.1	596.2	584.7	570.2	549.3	527.8	503.8	483.9	468.2
25°	640.4	637.0	635.4	630.4	619.7	603.3	574.7	544.8	514.5	488.1	468.2
27.5°	672.3	671.3	671.0	665.2	655.1	635.7	602.0	566.0	529.1	496.7	472.1
30°	701.4	700.3	699.8	696.7	684.8	661.9	625.2	584.9	545.1	508.7	479.4
32.5°	732.3	728.8	727.3	721.2	707.9	680.9	639.1	597.2	557.7	520.6	487.5
35°	757.4	754.5	751.4	742.7	723.9	691.9	645.1	601.4	562.7	527.1	491.7
37.5°	775.7	772.8	768.4	757.4	734.1	695.6	644.8	600.1	560.8	526.0	492.6
40°	783.8	780.9	776.2	762.3	735.9	693.5	639.9	594.1	555.4	520.6	489.4
42.5°	780.7	778.6	772.6	759.2	730.1	684.1	630.0	582.8	544.8	511.6	482.3
45°	768.7	767.1	761.3	747.2	717.0	668.9	615.3	568.7	532.3	500.7	472.9
47.5°	750.6	750.1	744.3	730.4	700.6	653.8	600.1	554.8	519.7	490.0	465.0
50°	730.7	728.1	725.2	712.4	685.1	640.7	589.1	546.1	512.7	486.0	461.7
52.5°	718.1	717.3	714.7	703.2	677.0	633.0	584.1	543.1	512.2	485.2	459.8
55°	829.6	831.4	807.4	757.4	713.4	654.0	599.1	559.0	524.9	497.8	479.2
57.5°	1227.2	1219.0	1177.7	1078.5	966.5	818.6	712.1	647.4	605.3	610.1	619.4
60°	1429.7	1428.1	1420.6	1382.1	1307.4	1195.0	1070.1	927.0	881.4	886.4	890.1
62.5°	1520.2	1522.6	1528.4	1514.0	1494.3	1461.6	1399.4	1341.8	1280.8	1258.1	1197.0
65°	1562.1	1566.3	1579.4	1587.5	1595.1	1600.8	1625.4	1692.9	1737.5	1654.2	1460.6
67.5°	1475.5	1495.6	1538.8	1580.9	1618.6	1672.3	1755.5	1912.3	2021.4	1919.1	1638.2
70°	1075.6	1103.1	1152.6	1282.9	1422.1	1543.8	1705.0	1943.6	2108.3	2029.2	1682.2
72.5°	674.4	682.0	704.0	751.9	855.3	1011.4	1293.3	1651.4	1841.3	1778.2	1421.9
75°	427.9	430.5	429.7	440.7	458.2	492.3	603.7	975.4	1261.4	1163.0	792.5
77.5°	254.9	258.8	260.4	263.8	272.2	284.2	293.4	331.8	528.9	513.5	287.6
80°	213.6	216.7	214.0	213.3	208.1	204.4	208.8	204.4	189.8	182.7	168.3
82.5°	113.0	112.8	112.0	119.6	135.1	147.1	156.3	154.1	139.4	118.8	100.7
85°	62.0	64.1	64.1	66.7	64.4	64.7	66.7	70.4	65.2	54.4	44.5
87.5°	5.2	8.1	6.5	8.1	11.0	7.8	7.6	7.6	6.5	4.7	4.2
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	494.9	494.9	494.9	494.9	494.9	494.9	494.9	494.9	494.9	494.9	494.9
2.5°	497.2	496.7	495.6	494.9	494.9	493.6	492.7	492.3	492.0	491.0	491.0
5°	495.6	493.9	492.0	490.7	490.0	488.6	486.5	485.5	484.2	483.1	482.6
7.5°	492.3	488.8	486.0	483.9	481.3	479.2	476.6	474.2	471.8	470.8	470.3
10°	487.1	482.6	478.1	474.2	470.5	466.9	463.4	460.1	457.2	455.1	453.0
12.5°	482.0	475.3	469.5	463.7	458.0	453.5	448.8	443.8	439.6	435.7	434.7
15°	475.3	467.4	460.1	453.0	446.0	438.6	432.8	427.4	420.6	416.1	412.7
17.5°	468.9	459.5	450.7	442.2	433.7	426.0	417.4	410.0	403.3	396.5	391.5
20°	462.1	452.0	442.5	433.1	423.7	414.0	404.1	394.6	386.2	378.1	370.0
22.5°	456.2	445.7	436.6	426.3	415.8	404.8	393.3	381.6	371.9	361.4	352.0
25°	452.5	440.9	431.5	421.6	410.0	398.0	384.9	371.1	359.4	347.3	336.0
27.5°	452.5	437.6	427.9	418.0	406.1	393.3	379.0	363.7	350.4	337.1	323.2
30°	456.4	438.0	425.0	414.5	402.5	388.7	372.7	356.7	342.0	326.3	313.0
32.5°	460.1	439.2	422.9	409.6	395.7	382.0	365.9	348.8	332.7	317.7	303.5
35°	462.4	439.2	419.0	402.0	386.2	372.9	356.9	339.9	323.4	308.8	295.7
37.5°	462.7	437.0	412.7	393.3	376.8	363.0	347.8	331.8	316.1	302.5	291.5
40°	460.1	432.8	406.4	384.2	366.9	352.7	338.9	324.5	310.4	299.2	289.7
42.5°	455.4	428.4	400.4	376.8	358.8	344.1	331.4	319.0	306.7	297.0	289.2
45°	448.3	422.4	394.9	372.4	354.6	339.2	326.6	316.4	306.0	297.9	290.0
47.5°	442.0	420.3	396.7	375.3	356.7	340.7	327.9	319.3	311.2	305.7	295.0
50°	440.7	419.3	397.5	377.7	358.8	342.6	331.4	326.9	324.5	321.1	304.7
52.5°	437.0	419.0	403.3	392.3	380.3	372.7	360.9	365.1	362.4	350.4	320.6
55°	475.5	480.7	495.4	516.4	535.7	540.2	538.9	533.9	507.4	436.6	359.1
57.5°	653.8	683.4	711.1	723.4	721.8	707.9	698.0	677.8	639.6	553.2	435.0
60°	901.3	906.1	891.4	869.7	833.0	802.4	769.7	732.0	676.5	592.0	481.5
62.5°	1129.2	1066.0	1000.8	939.5	883.8	835.1	789.6	736.9	664.7	576.6	475.5
65°	1290.2	1156.2	1053.4	965.4	886.6	818.6	761.9	693.5	612.1	532.6	440.7
67.5°	1373.1	1167.7	1010.0	887.4	775.7	681.5	605.9	539.4	478.9	444.1	385.8
70°	1280.5	991.1	771.3	632.8	499.1	400.2	316.1	265.4	247.8	280.8	292.1
72.5°	954.1	645.1	458.8	354.9	271.9	216.7	166.1	130.6	106.2	111.4	144.7
75°	451.2	278.4	196.8	149.7	119.1	98.7	80.6	73.8	61.8	51.3	48.2
77.5°	175.6	128.0	105.8	77.5	55.0	44.2	37.7	36.4	37.1	36.1	35.6
80°	133.8	90.5	56.7	41.6	35.8	31.6	28.0	27.0	27.4	28.7	30.1
82.5°	74.6	46.6	34.5	30.1	27.0	23.1	20.9	19.3	19.6	21.2	24.1
85°	28.7	22.5	20.7	19.9	18.6	14.9	12.8	13.1	14.9	17.8	17.8
87.5°	3.2	3.2	4.2	3.2	3.2	3.2	2.9	3.4	3.6	4.7	5.5
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	494.9	494.9	494.9	494.9	494.9	494.9	494.9	494.9	494.9	494.9	494.9
2.5°	490.4	490.4	490.4	490.0	490.1	489.1	489.1	488.4	489.7	488.8	488.6
5°	482.9	482.6	481.5	481.5	481.5	481.5	482.3	480.2	481.8	481.8	481.0
7.5°	470.0	470.0	467.2	468.7	468.2	468.9	470.0	468.9	470.5	471.6	470.8
10°	452.2	452.2	449.9	451.7	450.9	452.7	454.6	453.5	454.6	456.2	456.7
12.5°	432.6	431.5	429.5	430.2	430.2	431.3	432.1	433.4	434.7	436.7	437.9
15°	409.9	408.3	405.7	405.7	404.1	404.6	406.1	406.7	409.3	412.2	415.6
17.5°	386.5	382.6	379.7	376.4	373.7	375.8	377.7	379.0	381.0	385.5	387.8
20°	364.6	356.7	351.2	346.8	343.9	345.2	347.5	349.1	351.0	352.0	352.7
22.5°	342.8	334.0	326.3	320.8	316.1	317.5	316.4	315.6	316.9	313.5	313.3
25°	324.0	313.5	303.4	296.7	291.0	289.2	283.7	282.4	278.7	275.8	273.8
27.5°	310.4	296.7	285.5	278.0	268.7	262.0	254.9	247.8	243.9	239.2	236.8
30°	299.6	285.3	271.9	259.1	247.1	236.6	227.2	218.0	211.7	204.9	200.5
32.5°	289.7	276.4	260.1	242.6	226.4	214.6	202.3	191.8	181.9	173.0	166.4
35°	282.9	268.0	247.4	225.9	207.5	193.7	180.6	165.7	153.6	142.1	135.1
37.5°	279.3	260.9	235.5	211.7	191.4	175.6	159.3	142.1	127.4	116.7	106.0
40°	276.4	253.9	225.0	199.2	177.7	158.9	140.0	119.6	103.3	92.1	83.7
42.5°	273.2	246.0	215.9	189.2	165.4	143.4	120.7	98.9	83.4	75.6	72.0
45°	269.9	239.2	207.3	179.8	153.4	126.7	100.5	80.4	71.2	68.6	68.6
47.5°	269.0	234.8	201.0	170.6	139.7	107.3	82.0	69.4	66.7	67.3	68.3
50°	272.2	233.4	195.5	159.9	121.7	86.9	69.4	65.2	65.7	67.3	68.8
52.5°	279.7	234.5	189.8	145.0	100.2	71.7	64.1	63.8	65.4	67.8	69.4
55°	292.6	234.5	178.7	122.7	80.1	64.4	62.3	63.3	65.4	67.5	68.8
57.5°	320.1	232.1	159.3	98.1	67.0	61.8	61.8	63.1	64.9	67.0	68.0
60°	352.7	229.0	132.2	75.9	60.5	59.6	61.5	63.1	64.7	66.5	67.5
62.5°	354.9	220.8	104.7	62.8	57.0	58.3	61.2	63.3	63.8	65.2	66.5
65°	326.0	192.7	83.3	56.3	55.4	57.6	60.5	62.0	62.3	62.8	64.1
67.5°	285.5	157.0	67.3	53.1	54.0	56.3	57.9	59.2	59.9	61.2	61.5
70°	234.5	126.1	57.6	50.0	50.8	53.4	54.7	56.0	57.6	59.2	58.3
72.5°	166.1	98.1	50.5	46.6	47.6	50.0	51.5	52.6	54.0	55.4	54.4
75°	70.7	68.6	43.7	42.1	43.7	45.3	46.9	48.4	49.8	50.5	50.5
77.5°	36.1	40.3	37.7	37.7	38.7	40.3	41.6	43.2	44.0	44.7	45.8
80°	30.6	31.2	31.6	32.7	33.8	35.3	36.7	38.0	38.2	38.5	39.0
82.5°	25.4	26.4	27.0	28.6	29.3	29.9	30.6	30.6	31.2	31.2	30.3
85°	18.3	19.6	20.4	20.7	20.4	20.7	20.9	21.5	22.8	22.8	21.8
87.5°	5.2	4.9	6.3	6.5	7.1	8.1	9.1	11.0	11.5	12.0	12.0
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-E01-LED-E1-SL4-8030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	494.9	494.9	494.9	494.9
2.5°	488.4	488.8	487.8	488.1
5°	481.0	482.0	480.7	482.3
7.5°	471.6	473.1	472.9	472.7
10°	458.0	460.1	460.1	460.8
12.5°	440.7	442.0	443.1	443.6
15°	417.4	419.8	421.1	421.1
17.5°	389.4	391.0	391.8	390.7
20°	353.9	353.3	353.6	351.0
22.5°	312.7	313.5	311.2	311.7
25°	272.5	271.2	272.2	270.6
27.5°	233.4	233.7	230.8	232.1
30°	196.3	195.0	191.4	193.1
32.5°	160.5	157.0	153.1	150.7
35°	126.7	121.4	119.6	118.8
37.5°	99.4	93.7	91.8	89.8
40°	79.1	76.9	76.2	76.7
42.5°	70.9	70.9	71.4	71.7
45°	68.8	69.6	70.4	70.7
47.5°	69.1	69.9	70.9	71.2
50°	69.6	70.4	71.2	71.4
52.5°	69.9	69.9	70.4	70.7
55°	69.4	69.1	69.4	69.6
57.5°	68.3	67.8	68.0	68.8
60°	67.8	67.0	67.5	68.0
62.5°	66.5	66.2	66.7	67.0
65°	63.6	63.8	64.7	64.7
67.5°	60.9	61.2	61.5	61.8
70°	57.9	58.1	58.6	58.9
72.5°	54.1	55.3	56.0	57.0
75°	51.3	52.4	54.0	55.0
77.5°	46.3	47.1	48.9	50.2
80°	39.3	39.0	39.3	40.0
82.5°	30.1	30.1	29.9	29.6
85°	21.2	20.9	20.2	20.2
87.5°	11.5	11.3	11.0	10.5
90°	0.0	0.0	0.0	0.0

(END OF REPORT)