

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: P180621

Luminaire Tested: **ICS-F01-LED-E1-SL3-HSS-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180621
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: ICS-F01-LED-E1-SL3-HSS-8030
Description: ICON SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (7) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1087.3 lumens
Efficiency: N/A
Efficacy: 42.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

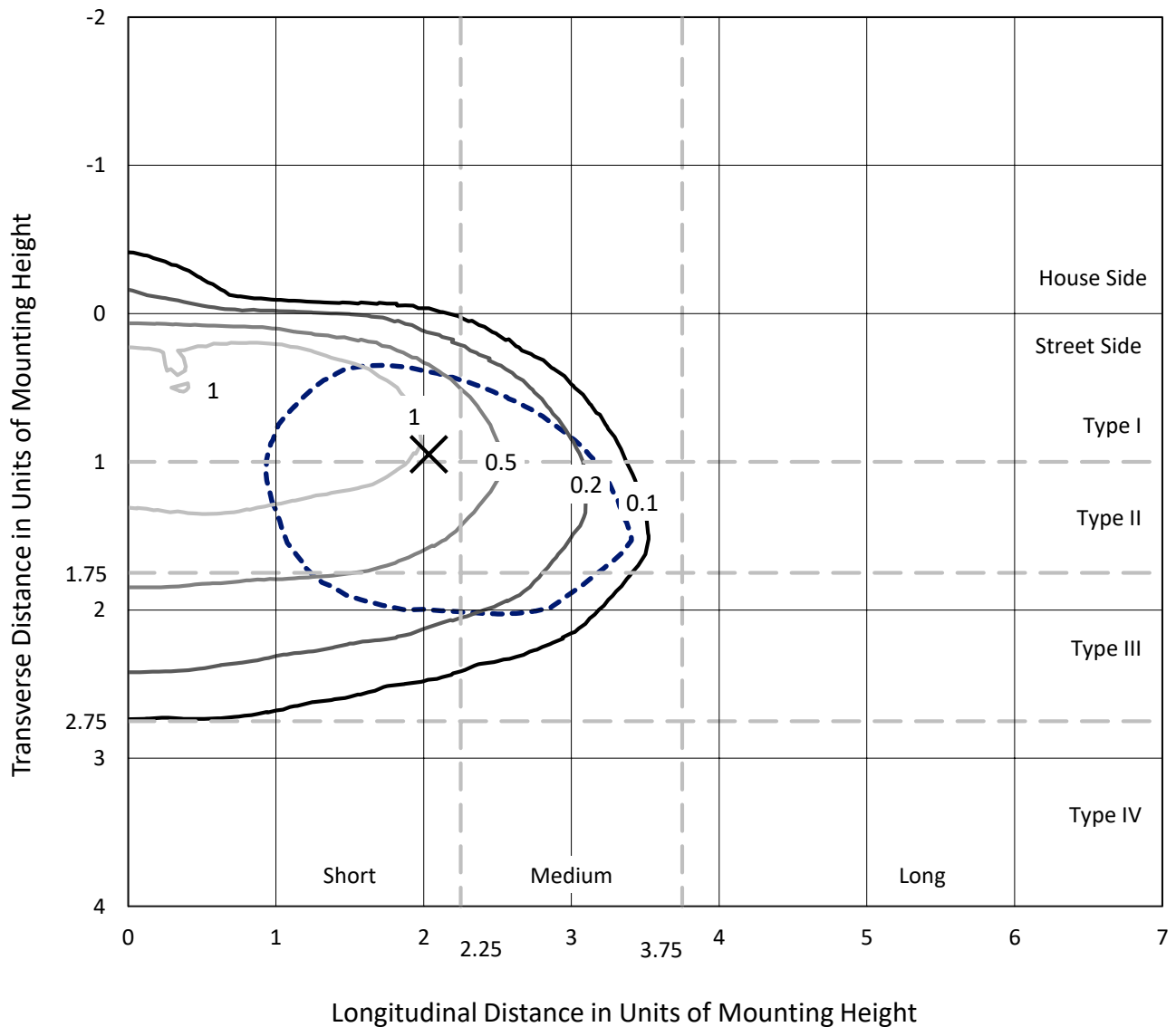
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P180621
 CATALOG NUMBER: ICS-F01-LED-E1-SL3-HSS-8030

Iso-Footcandle Lines of Horizontal Illumination

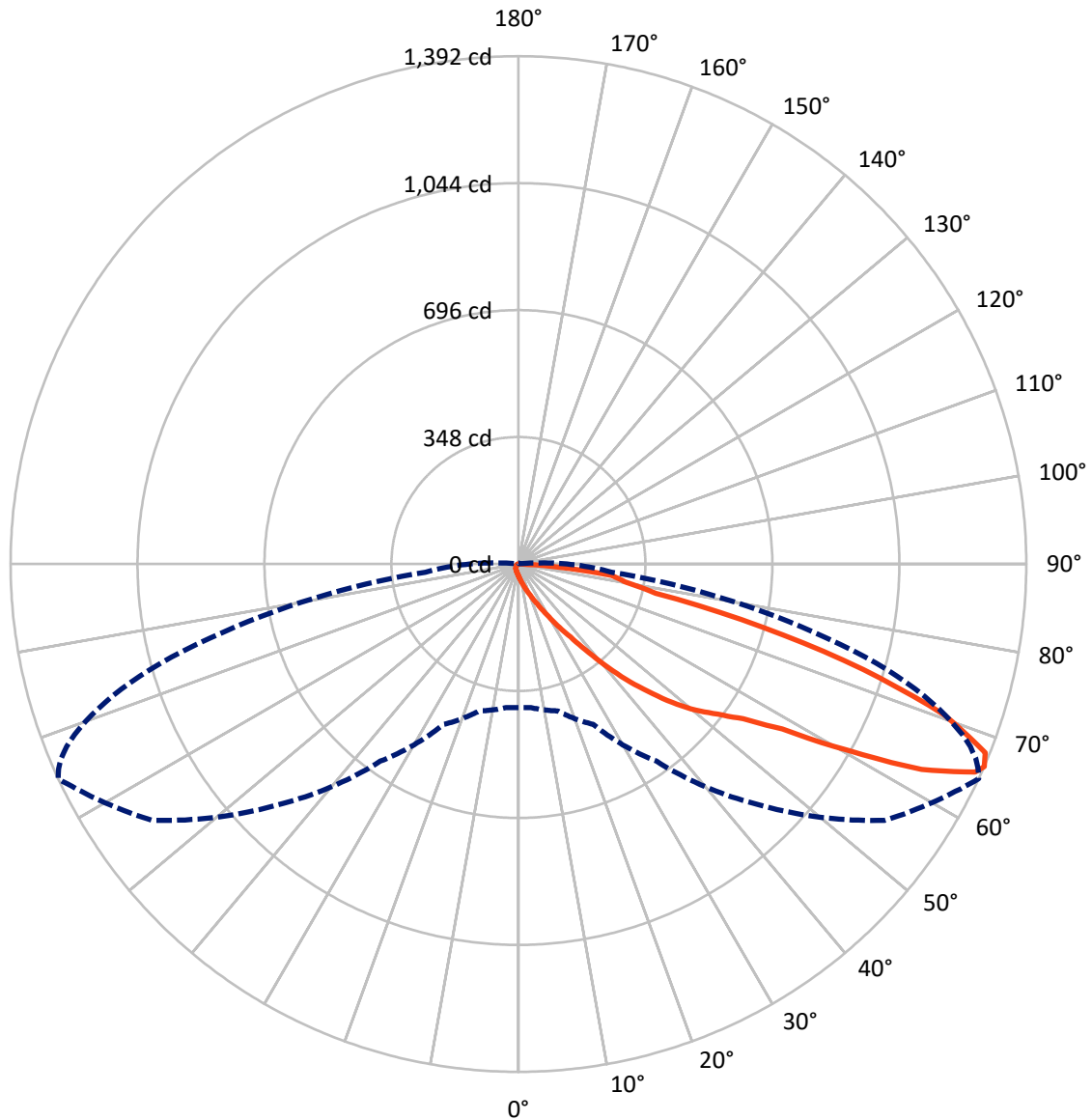
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.8 fc
 Type III - Short - Non-Cutoff

REPORT NUMBER: P180621
CATALOG NUMBER: ICS-F01-LED-E1-SL3-HSS-8030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P180621

CATALOG NUMBER: ICS-F01-LED-E1-SL3-HSS-8030

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23.6	0.0	23.6
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	1063.7	0.0	1063.7
	% Fixture	97.8	0.0	97.8
Total	Lumens	1087.3	0.0	1087.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.7	0.3
10°-20°	15.6	1.4
20°-30°	33.6	3.1
30°-40°	71.7	6.6
40°-50°	158.7	14.6
50°-60°	268.9	24.7
60°-70°	358.8	33.0
70°-80°	158.1	14.5
80°-90°	18.2	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°	1087.3	100.0
0°-180°	1087.3	100.0



REPORT NUMBER: P180621

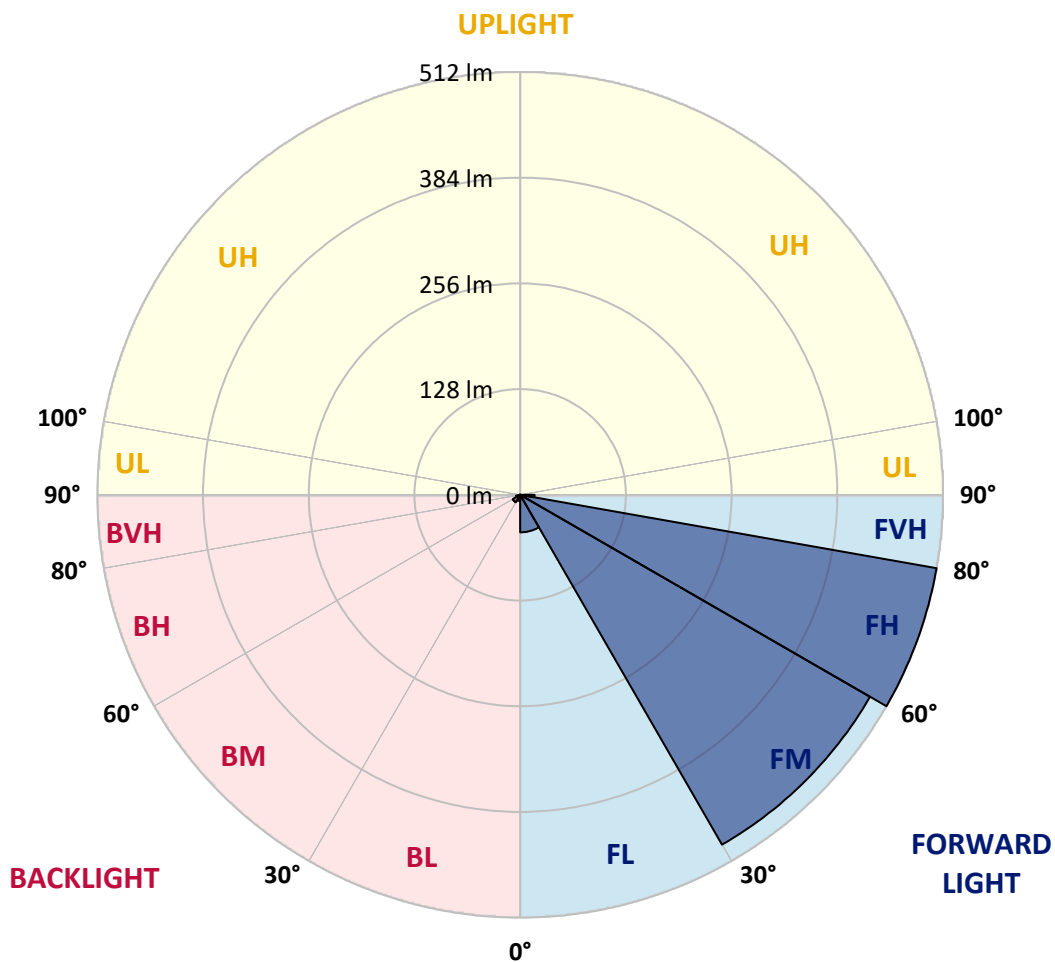
CATALOG NUMBER: ICS-F01-LED-E1-SL3-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	45.4	4.2			
FM	(30°-60°)	489.0	45.0			
FH	(60°-80°)	511.8	47.1			G0/660
FVH	(80°-90°)	17.5	1.6			G1/100
BL	(0°-30°)	7.4	0.7	B0/110		
BM	(30°-60°)	10.3	1.0	B0/220		
BH	(60°-80°)	5.1	0.5	B0/110		G0/110
BVH	(80°-90°)	0.7	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-G1

Type III Short





REPORT NUMBER: P180621

CATALOG NUMBER: ICS-F01-LED-E1-SL3-HSS-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
2.5°	41.4	41.2	40.3	40.3	39.1	38.3	37.2	36.2	36.2	36.0	35.7
5°	54.8	53.5	53.3	51.0	49.1	46.4	43.9	40.6	40.1	39.7	39.5
7.5°	69.6	69.4	67.5	64.8	61.0	56.0	51.0	45.6	44.7	44.3	43.5
10°	88.8	87.8	85.3	80.7	75.0	68.4	60.2	51.6	50.6	49.7	49.3
12.5°	107.2	105.4	103.9	98.0	90.9	81.1	71.3	58.9	58.1	57.1	55.4
15°	124.4	122.7	120.2	115.2	107.2	94.9	83.4	68.4	66.3	64.8	63.5
17.5°	137.8	136.7	133.8	128.1	119.6	108.7	94.9	78.0	76.3	74.4	72.1
20°	150.5	149.0	144.4	136.7	127.5	119.1	108.5	90.5	88.2	85.9	83.4
22.5°	162.6	161.2	153.6	140.9	131.1	127.5	123.7	104.7	101.2	99.3	96.8
25°	179.6	176.4	164.7	144.4	131.3	134.0	140.5	123.1	119.8	117.1	113.1
27.5°	202.3	198.2	179.8	149.7	132.1	141.1	159.7	145.5	141.9	138.8	134.4
30°	228.1	225.3	203.4	162.2	138.2	151.5	181.2	173.9	169.7	166.0	160.7
32.5°	254.0	250.2	228.5	186.0	154.5	171.8	208.2	206.9	201.5	198.0	192.3
35°	276.8	274.9	258.8	225.1	191.7	207.4	244.1	245.6	240.8	237.0	230.8
37.5°	292.2	292.2	289.1	267.1	250.8	262.5	297.0	297.2	292.4	283.9	280.7
40°	300.2	302.5	313.8	317.9	317.1	332.2	366.4	362.7	358.7	354.3	343.9
42.5°	316.5	318.6	342.6	371.4	390.3	410.1	433.7	432.5	427.7	419.7	410.1
45°	344.1	346.8	375.4	421.2	459.9	488.1	503.1	497.3	492.5	485.0	479.9
47.5°	379.2	384.4	416.8	473.5	520.1	566.7	582.4	566.9	562.7	556.9	548.7
50°	416.6	421.6	456.1	520.9	573.6	629.2	655.3	629.2	623.1	621.2	612.0
52.5°	449.0	453.2	486.4	557.5	614.6	679.8	717.8	683.3	678.9	672.7	666.0
55°	468.2	471.6	502.7	575.0	642.4	725.3	778.2	747.9	741.4	738.9	729.3
57.5°	474.7	478.1	506.1	577.3	657.4	766.9	851.6	852.6	844.9	835.9	833.0
60°	474.7	478.5	502.1	571.7	672.0	811.3	949.4	1036.6	1019.9	1018.2	1007.5
62.5°	455.1	458.6	482.4	554.4	691.7	871.0	1085.7	1239.6	1234.8	1223.9	1206.3
65°	412.4	414.5	437.9	510.0	684.2	926.0	1203.8	1374.6	1366.9	1345.5	1323.0
66°	393.2	394.9	416.8	484.7	659.5	933.5	1224.7	1391.5	1378.8	1360.8	1335.3
67.5°	365.4	368.3	383.8	437.7	600.3	907.4	1211.5	1379.6	1368.5	1346.8	1321.3
70°	243.9	241.9	296.4	335.9	457.4	739.3	1087.0	1238.7	1238.9	1228.7	1218.4
72.5°	115.8	117.1	132.9	206.7	299.3	493.9	865.2	988.7	1002.9	984.5	971.8
75°	83.2	85.1	94.7	126.5	178.5	296.4	560.8	691.5	691.9	659.3	630.2
77.5°	24.2	25.3	35.5	78.0	133.8	200.0	322.1	384.4	375.4	352.0	330.1
80°	10.0	10.0	10.5	24.9	53.7	135.9	225.3	296.0	294.9	286.0	273.0
82.5°	3.8	4.0	5.0	10.2	12.8	33.4	150.3	256.9	256.3	243.5	234.3
85°	0.4	0.4	1.3	4.4	4.8	6.3	30.1	113.3	112.7	113.3	99.3
87.5°	0.0	0.0	0.2	0.4	0.6	0.8	1.3	4.4	4.8	4.6	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



REPORT NUMBER: P180621

CATALOG NUMBER: ICS-F01-LED-E1-SL3-HSS-8030

CANDELA DISTRIBUTION (continued):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
2.5°	35.7	35.3	35.3	35.1	35.1	35.1	34.9	34.7	34.7	34.5	34.3
5°	39.1	38.7	38.5	38.0	37.8	37.6	37.2	37.0	36.6	36.4	36.2
7.5°	43.1	42.2	42.0	41.4	40.8	40.3	39.9	39.3	38.9	38.0	37.8
10°	48.1	47.0	46.2	45.4	44.7	43.7	43.1	42.2	41.4	40.8	40.1
12.5°	54.6	53.1	51.8	51.0	49.5	48.3	47.0	46.4	44.7	43.9	42.9
15°	61.7	60.0	58.5	56.9	55.8	53.7	52.0	50.2	49.3	47.9	46.2
17.5°	70.9	68.1	65.8	64.2	62.1	60.0	58.1	56.2	53.7	52.0	50.0
20°	80.7	78.4	75.3	72.3	69.8	67.3	64.6	62.1	59.8	57.1	54.6
22.5°	93.2	89.9	86.1	83.2	79.9	77.1	73.4	70.0	66.3	62.7	59.8
25°	109.1	104.7	101.2	97.0	93.0	88.8	84.2	80.1	75.3	71.9	66.9
27.5°	128.8	124.6	119.8	114.3	110.4	104.1	98.0	92.8	87.2	81.9	76.3
30°	153.8	147.8	142.8	137.5	129.6	123.5	116.4	109.3	101.6	96.4	87.8
32.5°	183.9	177.5	169.9	162.4	155.1	146.5	137.8	129.0	120.4	110.8	102.0
35°	220.7	213.0	204.4	196.3	185.0	175.8	164.7	152.6	143.0	131.9	120.8
37.5°	269.4	256.7	249.2	240.6	225.3	212.8	200.5	188.3	171.4	159.7	144.0
40°	330.5	323.0	310.6	296.8	283.0	266.5	249.8	233.7	214.0	197.7	179.6
42.5°	402.2	391.1	378.6	358.7	344.7	325.3	306.2	284.9	260.9	240.0	218.6
45°	469.5	456.3	446.7	426.8	412.2	389.2	366.2	343.6	315.8	288.9	264.2
47.5°	542.2	531.4	515.5	499.4	484.5	458.6	433.7	406.4	377.1	345.1	313.1
50°	606.2	597.6	586.8	567.3	550.8	529.1	499.8	469.9	432.9	401.1	364.8
52.5°	660.5	653.9	638.6	624.8	610.0	589.5	563.3	534.7	494.8	459.9	418.5
55°	724.7	719.9	706.5	698.0	684.8	665.1	640.7	614.1	571.9	533.9	487.0
57.5°	829.9	826.1	814.4	810.8	797.9	780.7	750.6	722.2	672.9	625.6	572.1
60°	1004.0	996.5	979.3	970.5	943.2	920.2	881.1	842.0	782.4	722.2	657.8
62.5°	1190.4	1169.3	1136.7	1108.7	1069.8	1029.9	977.6	917.9	848.0	776.6	702.6
65°	1291.0	1255.0	1213.8	1169.3	1118.9	1060.2	994.4	922.7	847.6	772.2	694.0
66°	1302.5	1261.9	1218.2	1168.7	1112.7	1050.2	983.3	908.0	830.1	756.5	678.3
67.5°	1288.1	1245.6	1199.4	1144.5	1083.8	1019.0	948.8	870.6	795.6	721.0	644.9
70°	1187.1	1144.9	1103.7	1045.8	981.2	916.0	849.5	762.1	691.1	622.5	554.8
72.5°	948.0	919.3	878.6	829.0	766.1	689.6	634.2	556.0	494.4	427.9	375.4
75°	592.4	552.1	501.7	438.5	390.5	328.4	296.0	236.6	201.5	170.8	141.1
77.5°	302.9	272.6	237.3	201.7	167.6	133.8	103.5	73.2	49.3	34.3	25.5
80°	250.2	223.5	194.2	161.8	131.7	102.2	73.6	50.2	32.0	20.9	16.3
82.5°	206.7	184.2	158.0	127.9	101.8	80.3	55.8	36.4	22.6	14.6	11.5
85°	88.0	79.9	61.7	48.9	36.8	27.2	19.0	12.8	9.0	7.3	6.7
87.5°	3.8	4.2	4.0	3.1	2.3	2.3	2.1	1.7	1.7	1.7	1.7
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: P180621

CATALOG NUMBER: ICS-F01-LED-E1-SL3-HSS-8030

CANDELA DISTRIBUTION (continued):

	80°	81°	82°	83°	84°	85°	95°	105°	115°	125°	135°
0°	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
2.5°	34.3	34.1	33.9	33.9	33.7	33.4	32.2	31.1	29.9	29.1	28.2
5°	35.7	35.5	35.1	34.9	34.5	34.3	31.6	29.3	27.4	25.9	24.9
7.5°	37.2	37.0	36.4	35.7	35.5	35.1	30.7	27.8	25.3	23.6	22.6
10°	39.1	38.5	37.8	37.0	36.4	35.7	29.9	26.1	23.4	21.9	20.9
12.5°	41.8	40.8	39.7	38.7	37.8	36.8	29.5	24.7	21.9	20.3	19.2
15°	44.9	43.5	42.2	41.0	39.5	38.5	28.6	23.4	20.7	19.0	17.8
17.5°	47.9	46.2	44.3	42.4	41.0	39.5	27.8	22.2	19.4	17.8	16.5
20°	52.0	49.5	47.2	44.9	42.9	41.0	26.5	20.9	18.4	16.5	15.3
22.5°	56.6	53.7	50.8	47.7	44.9	42.4	25.5	19.9	17.3	15.5	14.0
25°	62.5	58.9	55.0	51.0	47.9	44.5	24.5	18.8	16.3	14.4	13.0
27.5°	70.7	65.6	61.2	56.2	51.4	47.7	23.6	18.0	15.3	13.4	11.9
30°	81.7	74.4	67.5	62.1	56.4	51.0	22.8	16.9	14.4	12.3	10.7
32.5°	94.1	85.5	77.6	69.4	62.3	56.0	21.9	16.1	13.4	11.3	9.8
35°	109.3	98.5	87.8	78.4	69.8	61.5	21.1	15.3	12.5	10.2	8.8
37.5°	131.3	117.7	103.7	91.6	80.5	69.4	20.5	14.4	11.5	9.2	7.7
40°	161.4	143.8	126.7	110.2	95.7	81.9	19.6	13.6	10.7	8.4	6.9
42.5°	194.0	172.7	150.1	131.5	111.6	94.3	18.8	12.8	9.8	7.5	6.1
45°	234.5	208.0	180.6	155.3	131.1	108.7	18.0	11.9	8.8	6.7	5.2
47.5°	278.8	245.0	214.0	182.3	153.4	126.7	16.9	11.3	7.9	5.9	4.6
50°	324.4	288.7	249.6	213.4	179.1	144.7	15.9	10.2	7.1	5.2	3.8
52.5°	373.5	331.3	291.4	246.4	206.5	168.3	14.8	9.4	6.5	4.6	3.1
55°	436.0	388.8	342.0	291.6	243.5	195.7	13.8	8.4	5.6	4.0	2.5
57.5°	514.6	458.6	401.1	344.3	286.0	231.6	13.0	7.3	4.8	3.3	2.1
60°	588.8	523.4	453.8	388.4	322.5	259.2	11.7	6.5	4.2	2.7	2.1
62.5°	627.3	552.7	477.6	405.5	335.3	269.0	10.5	5.4	3.6	2.3	1.9
65°	617.9	541.8	469.1	396.3	327.6	262.8	9.2	4.8	3.1	2.1	1.9
66°	604.3	529.1	455.9	386.7	321.1	256.1	8.6	4.6	2.9	2.1	1.7
67.5°	574.6	501.9	432.1	367.7	303.3	243.3	7.7	4.2	2.7	1.9	1.7
70°	490.8	424.8	368.9	311.7	259.2	205.1	6.3	3.6	2.3	1.7	1.7
72.5°	324.8	279.9	242.7	208.8	174.5	135.5	5.2	2.9	1.9	1.7	1.5
75°	122.5	110.8	95.1	85.5	74.6	65.4	4.2	1.9	1.5	1.5	1.5
77.5°	21.7	20.1	17.8	16.3	15.1	13.8	3.3	1.3	1.3	1.5	1.5
80°	14.6	13.6	12.3	11.3	10.5	9.4	2.3	1.0	1.3	1.3	1.5
82.5°	10.5	9.8	9.2	8.4	7.7	6.9	1.5	1.0	1.3	1.3	1.3
85°	6.3	5.9	5.4	5.0	4.4	4.2	1.0	1.0	1.0	1.3	1.3
87.5°	1.7	1.5	1.7	1.7	1.3	1.5	0.8	0.8	0.8	1.0	1.0
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: P180621

CATALOG NUMBER: ICS-F01-LED-E1-SL3-HSS-8030

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	32.8	32.8	32.8	32.8	32.8
2.5°	27.8	27.8	27.4	28.0	28.0
5°	24.0	24.0	23.8	24.0	24.0
7.5°	21.9	21.7	21.7	21.7	21.9
10°	20.1	19.9	19.9	19.9	19.9
12.5°	18.4	18.2	18.0	18.2	18.2
15°	16.9	16.5	16.5	16.5	16.5
17.5°	15.7	15.3	15.1	15.1	15.1
20°	14.4	13.8	13.8	13.8	13.8
22.5°	13.2	12.5	12.5	12.5	12.5
25°	11.9	11.3	11.3	11.3	11.3
27.5°	10.9	10.2	10.2	10.2	10.2
30°	9.6	9.2	9.2	9.4	9.2
32.5°	8.8	8.2	8.2	8.4	8.4
35°	7.7	7.3	7.3	7.3	7.3
37.5°	6.7	6.3	6.3	6.3	6.3
40°	5.9	5.4	5.2	5.4	5.4
42.5°	5.0	4.6	4.4	4.4	4.4
45°	4.4	3.8	3.6	3.8	3.8
47.5°	3.6	3.1	3.1	3.3	3.3
50°	2.7	2.7	2.9	3.3	3.3
52.5°	2.5	2.5	2.9	3.3	3.3
55°	2.3	2.5	2.9	3.1	3.3
57.5°	2.1	2.5	2.9	3.1	3.1
60°	2.1	2.3	2.7	3.1	3.1
62.5°	1.9	2.1	2.5	2.9	2.9
65°	1.9	2.1	2.5	2.9	2.9
66°	1.9	2.1	2.5	2.9	2.9
67.5°	1.9	2.1	2.5	2.9	2.9
70°	1.9	2.1	2.5	2.7	2.7
72.5°	1.7	1.9	2.3	2.7	2.7
75°	1.7	1.9	2.3	2.7	2.7
77.5°	1.7	1.9	2.3	2.7	2.7
80°	1.7	1.9	2.3	2.5	2.7
82.5°	1.5	1.9	2.1	2.5	2.5
85°	1.5	1.7	2.1	2.3	2.5
87.5°	1.3	1.5	1.7	2.1	2.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)