

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: McGRAW-EDISON

Report Number: P227497

Luminaire Tested: **IST-AF-450-LED-E1-RW-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P227497  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29767)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: IST-AF-450-LED-E1-RW-8030  
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE  
LIGHT SQUARE WITH ACCULED OPTICS-RECTANGULAR WIDE TYPE I  
Light Source: (16) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2525.4 lumens  
Efficiency: N/A  
Efficacy: 99.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium - Cutoff  
BUG Rating: B1 - U1 - G1

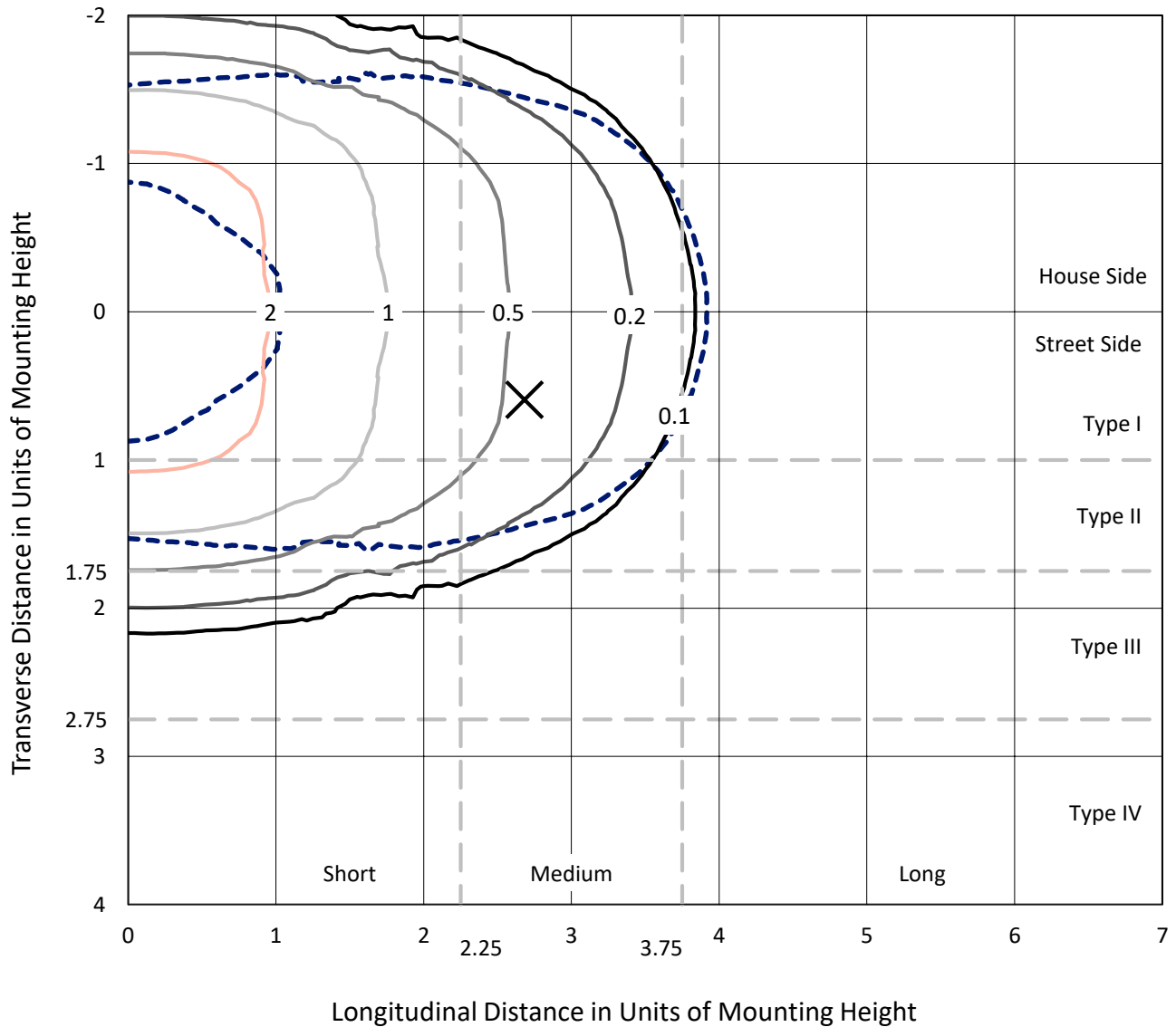
Input Watts (W): 25.31  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P227497  
 CATALOG NUMBER: IST-AF-450-LED-E1-RW-8030

### Iso-Footcandle Lines of Horizontal Illumination

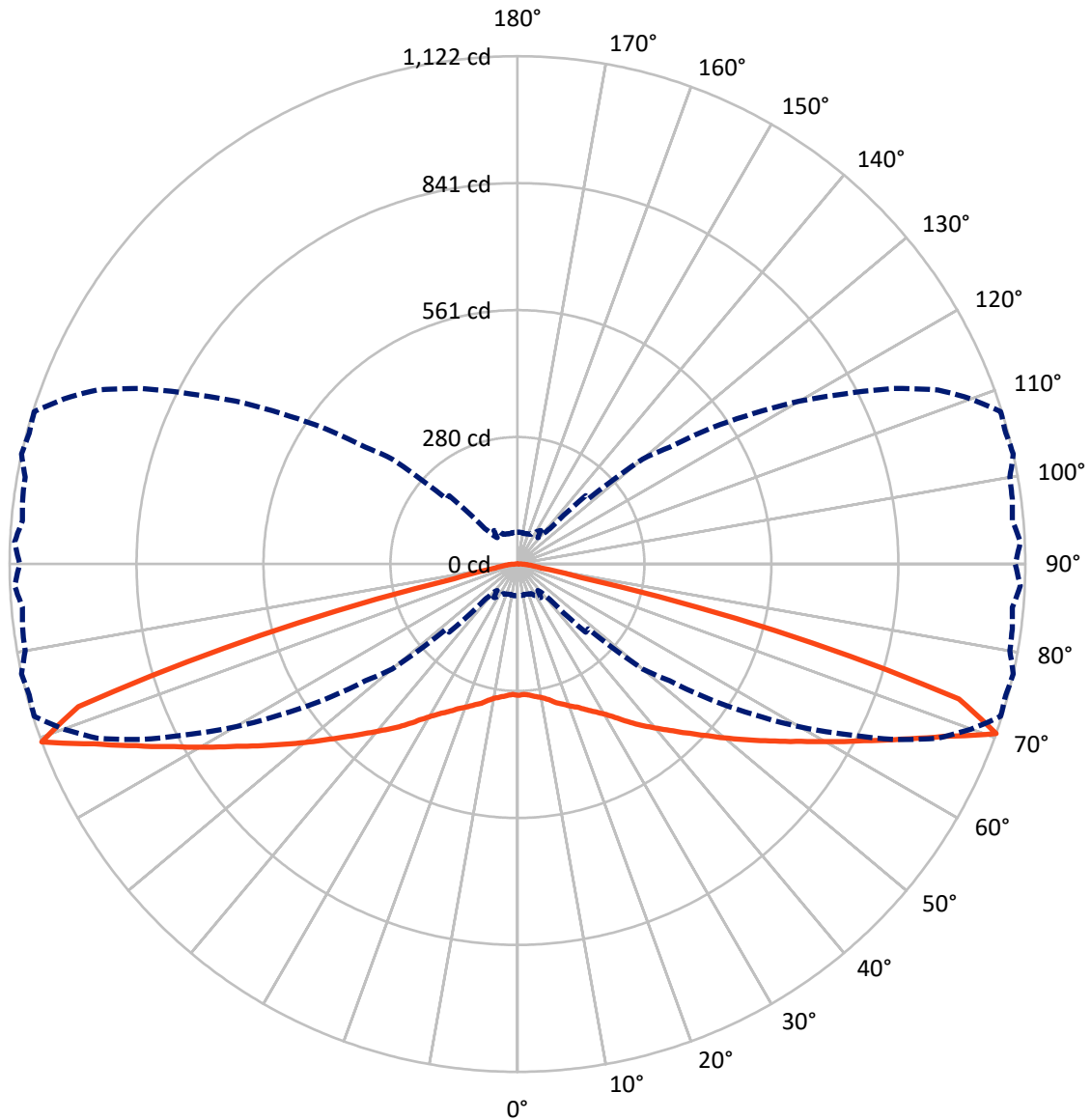
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3 fc  
 Type II - Medium - Cutoff

REPORT NUMBER: P227497  
CATALOG NUMBER: IST-AF-450-LED-E1-RW-8030

### Luminous Intensity Polar Plot



— Vertical Plane Through 77.5-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P227497

CATALOG NUMBER: IST-AF-450-LED-E1-RW-8030

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1262.5	0.2	1262.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1262.5	0.2	1262.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2525.0	0.4	2525.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	28.0	1.1
10°-20°	87.7	3.5
20°-30°	164.6	6.5
30°-40°	287.6	11.4
40°-50°	468.8	18.6
50°-60°	641.6	25.4
60°-70°	590.2	23.4
70°-80°	230.7	9.1
80°-90°	25.7	1.0
90°-100°	0.4	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°	2525.0	100.0
0°-180°	2525.4	100.0



REPORT NUMBER: P227497

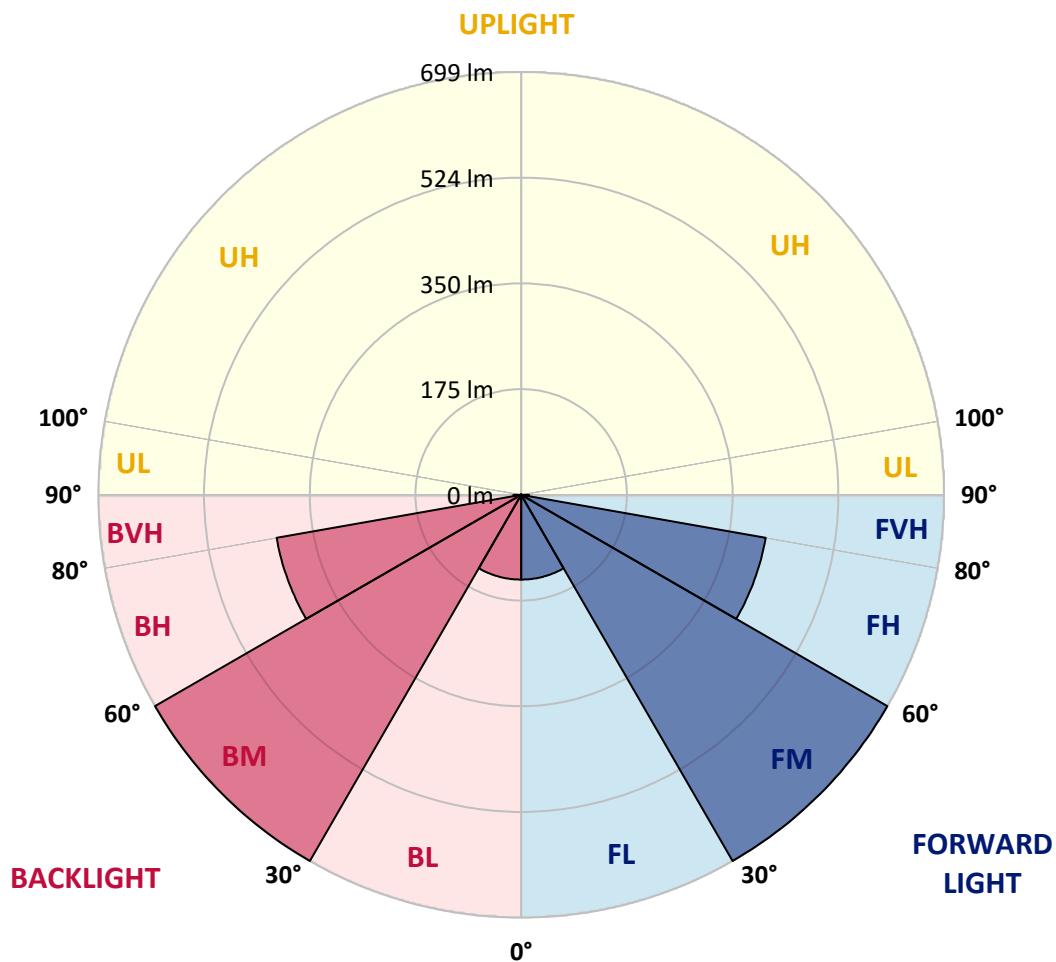
CATALOG NUMBER: IST-AF-450-LED-E1-RW-8030

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	140.1	5.5			
FM	(30°-60°)	699.0	27.7			
FH	(60°-80°)	410.5	16.3			G0/660
FVH	(80°-90°)	12.8	0.5			G1/100
BL	(0°-30°)	140.1	5.5	B1/500		
BM	(30°-60°)	699.0	27.7	B1/1000		
BH	(60°-80°)	410.5	16.3	B1/500		G1/500
BVH	(80°-90°)	12.8	0.5			G1/100
UL	(90°-100°)	0.4	0.0		U1/10	
UH	(100°-180°)	0.2	0.0		U1/10	

**BUG Rating: B1-U1-G1**

Type II Medium





REPORT NUMBER: P227497

CATALOG NUMBER: IST-AF-450-LED-E1-RW-8030

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°	50°
0°	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1
2.5°	289.0	288.6	288.6	289.0	289.7	290.1	289.4	289.7	289.7	289.4	290.5
5°	289.7	289.4	289.7	290.5	291.6	292.7	292.3	292.3	292.7	292.0	293.8
7.5°	289.0	288.6	289.4	291.2	293.8	295.3	295.3	295.3	296.0	295.7	297.9
10°	285.6	285.3	287.1	290.5	295.3	296.4	297.5	297.9	300.1	300.1	302.4
12.5°	282.7	283.0	285.6	290.8	298.6	299.0	300.5	302.0	305.0	303.5	307.6
15°	283.8	284.5	287.9	294.2	304.6	304.2	305.3	306.8	311.6	308.3	315.0
17.5°	289.4	290.5	294.2	301.6	312.4	310.5	312.0	314.2	320.6	316.5	324.3
20°	298.3	299.8	303.8	312.0	322.0	320.2	321.7	324.3	331.7	327.6	335.4
22.5°	310.2	311.6	316.1	325.4	336.2	333.9	335.4	337.6	345.8	339.5	349.2
25°	326.1	327.6	332.4	342.1	354.4	351.8	352.5	354.0	362.5	355.1	364.4
27.5°	348.4	349.9	354.0	363.3	375.2	372.9	373.7	375.2	384.1	376.7	384.8
30°	376.7	378.1	381.9	391.1	401.2	398.6	399.7	400.8	409.0	401.5	408.2
32.5°	410.1	409.7	415.3	424.9	433.9	429.0	429.0	429.0	436.8	429.4	434.6
35°	449.5	449.5	455.0	464.3	472.5	466.9	464.3	462.8	471.4	462.1	465.8
37.5°	492.5	490.7	499.2	507.8	515.6	508.5	506.3	504.4	510.7	500.3	502.2
40°	538.2	536.7	546.0	555.7	560.9	551.6	549.7	547.5	554.2	544.2	543.8
42.5°	579.8	578.7	590.6	601.7	608.1	596.2	593.6	591.3	598.8	588.7	586.5
45°	615.1	614.8	628.5	643.7	654.9	642.2	640.4	636.7	644.1	631.8	630.7
47.5°	642.6	641.1	657.8	680.1	698.0	685.0	684.6	682.0	689.8	676.4	674.9
50°	661.2	662.3	680.5	706.5	735.5	723.2	724.3	723.2	734.7	721.4	723.2
52.5°	664.5	666.8	690.2	724.3	764.8	750.0	758.5	761.8	776.3	764.8	768.5
55°	624.8	631.1	666.8	726.2	783.0	773.7	784.5	794.2	814.6	804.9	811.6
57.5°	536.0	549.0	590.2	676.4	780.8	786.0	807.9	822.8	847.7	839.1	854.7
60°	414.2	423.1	468.8	569.4	709.5	716.5	756.3	803.4	860.7	872.5	897.1
62.5°	271.2	276.4	320.9	423.1	586.5	588.7	638.2	699.4	798.6	824.6	893.3
65°	134.5	141.5	165.3	243.7	410.8	407.9	462.1	533.8	662.3	690.9	802.7
67.5°	83.9	85.1	89.9	112.9	205.8	182.8	227.3	302.4	458.0	483.6	625.5
70°	70.6	70.2	69.1	72.4	90.6	73.5	81.3	106.2	213.2	212.1	360.7
72.5°	65.0	63.9	60.9	60.5	63.1	57.9	58.7	60.2	85.4	71.7	138.9
75°	59.8	57.6	53.9	52.7	52.7	48.7	48.7	49.0	55.3	52.0	63.1
77.5°	53.5	50.9	47.2	45.7	44.2	39.7	39.4	39.7	44.6	41.6	47.2
80°	46.1	43.5	40.9	38.6	36.4	32.3	31.2	31.2	35.3	32.3	36.8
82.5°	40.1	36.8	36.0	32.3	29.0	25.3	24.1	22.3	26.0	22.7	27.5
85°	29.7	27.1	34.2	28.6	23.0	20.4	16.3	13.7	16.3	13.4	17.5
87.5°	17.1	16.0	30.1	22.7	20.4	21.9	13.4	9.7	9.3	8.2	9.7
90°	3.3	3.7	4.8	3.3	4.5	2.2	1.1	1.1	2.2	1.5	2.6
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P227497

CATALOG NUMBER: IST-AF-450-LED-E1-RW-8030

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°	50°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P227497

CATALOG NUMBER: IST-AF-450-LED-E1-RW-8030

**CANDELA DISTRIBUTION (continued):**

	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°
0°	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1	290.1
2.5°	289.4	290.5	289.0	290.5	287.9	290.1	288.2	290.5	288.6	290.5	288.2
5°	291.2	294.2	290.8	294.9	290.1	294.9	290.8	295.3	291.6	295.3	291.2
7.5°	294.2	299.4	294.9	300.1	294.2	300.9	295.3	301.6	296.0	302.0	295.7
10°	297.9	304.6	298.6	305.3	298.3	306.1	299.0	307.2	299.8	307.9	300.1
12.5°	301.2	309.8	303.1	312.0	304.2	313.5	305.3	315.7	306.8	317.6	307.6
15°	307.6	318.7	310.2	320.9	312.0	322.8	313.9	325.8	315.7	328.0	317.6
17.5°	315.7	328.0	319.1	329.8	320.2	332.1	322.4	334.3	324.3	336.9	325.4
20°	326.9	339.1	329.8	340.2	331.0	341.7	332.1	342.8	334.3	345.1	335.0
22.5°	339.5	351.0	341.0	351.4	341.0	351.0	341.7	351.4	342.8	352.9	344.0
25°	354.7	365.5	355.5	364.4	354.0	362.9	354.0	362.9	355.1	363.7	357.0
27.5°	375.9	384.1	373.7	381.5	370.3	378.1	368.9	376.7	369.2	376.7	370.0
30°	399.7	407.1	395.2	401.5	389.3	395.2	385.2	391.9	384.1	391.1	385.9
32.5°	425.7	431.6	419.7	424.9	412.3	417.5	406.7	411.2	404.5	409.0	405.6
35°	454.7	460.6	448.3	453.2	440.5	445.0	434.2	436.5	429.8	432.7	429.8
37.5°	489.2	494.4	480.3	484.7	471.0	476.6	463.6	465.8	457.6	459.5	453.5
40°	526.3	531.9	515.2	519.7	502.6	508.9	494.4	495.9	484.7	486.6	477.3
42.5°	566.5	571.7	550.9	554.6	534.5	541.2	524.1	527.1	513.7	515.6	503.7
45°	610.7	613.6	590.6	593.2	569.1	575.7	554.2	559.8	543.8	547.5	533.8
47.5°	651.9	657.8	632.6	634.8	608.8	612.9	588.0	595.4	578.3	583.9	567.2
50°	699.1	703.5	679.4	679.8	654.5	656.0	628.1	635.6	617.0	622.9	605.1
52.5°	747.4	750.3	724.3	726.9	702.0	704.6	676.8	679.8	658.2	663.4	646.0
55°	794.2	794.9	773.4	772.6	749.2	754.0	723.2	729.9	704.3	709.8	690.2
57.5°	841.0	843.6	823.5	824.2	800.8	804.2	776.3	781.2	757.0	763.7	739.2
60°	890.4	898.5	878.9	881.5	859.2	865.9	832.0	838.4	812.0	822.8	796.4
62.5°	921.9	952.4	948.7	952.8	931.6	934.9	900.0	910.1	878.5	886.3	859.2
65°	861.8	936.4	974.3	1015.9	1017.0	1027.8	994.0	997.7	966.1	964.3	932.3
67.5°	702.4	794.5	858.4	943.9	1003.7	1061.2	1082.0	1087.2	1070.1	1051.9	1015.9
70°	423.8	524.5	618.5	719.1	813.5	917.1	1005.1	1066.1	1119.2	1116.6	1121.8
72.5°	167.5	251.1	313.9	408.2	501.8	616.6	713.9	799.7	891.1	947.2	1020.0
75°	66.1	87.3	102.1	154.9	199.5	284.9	370.7	417.1	488.8	537.9	588.4
77.5°	47.5	52.0	52.7	61.3	64.6	89.5	104.7	120.7	136.0	145.6	143.8
80°	36.8	39.7	39.7	43.5	43.1	47.9	46.8	51.3	50.9	54.6	52.0
82.5°	27.5	29.3	29.3	32.3	32.3	35.3	34.5	37.5	36.4	39.0	36.4
85°	17.8	19.7	19.7	21.2	20.4	23.4	23.0	25.3	24.1	25.3	23.4
87.5°	10.0	11.1	11.5	12.6	11.5	13.7	13.4	14.5	13.4	14.5	13.7
90°	1.5	2.2	1.5	2.2	1.1	3.3	1.9	3.7	1.1	4.5	1.9
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P227497

CATALOG NUMBER: IST-AF-450-LED-E1-RW-8030

**CANDELA DISTRIBUTION (continued):**

	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P227497

CATALOG NUMBER: IST-AF-450-LED-E1-RW-8030

**CANDELA DISTRIBUTION (continued):**

	80°	82.5°	85°	87.5°	90°
0°	290.1	290.1	290.1	290.1	290.1
2.5°	290.1	289.4	290.8	288.6	290.5
5°	295.3	292.0	296.0	292.0	295.7
7.5°	302.4	296.8	302.7	296.8	302.7
10°	309.0	299.8	309.4	300.5	309.8
12.5°	319.1	307.9	320.6	308.3	320.6
15°	330.2	317.6	331.7	318.0	332.4
17.5°	339.1	326.9	340.6	326.9	341.0
20°	346.6	336.9	348.4	336.9	349.5
22.5°	355.1	348.0	357.3	348.0	359.6
25°	366.3	361.4	368.9	362.2	370.3
27.5°	379.3	375.9	381.9	377.0	383.3
30°	394.5	393.4	396.3	394.1	397.8
32.5°	411.6	414.2	414.2	414.2	415.7
35°	436.5	438.7	438.7	439.4	439.8
37.5°	460.2	463.9	463.6	464.7	464.7
40°	485.1	489.9	489.9	489.9	490.7
42.5°	512.6	517.8	518.5	516.3	517.8
45°	543.4	545.3	547.1	546.0	548.6
47.5°	576.5	578.3	579.8	578.3	582.4
50°	615.5	615.1	619.2	615.1	621.1
52.5°	656.4	659.7	662.3	658.2	662.3
55°	702.4	701.3	709.8	704.3	709.8
57.5°	752.9	752.9	761.5	756.3	762.6
60°	812.7	807.9	819.8	811.2	819.8
62.5°	873.3	864.7	878.1	870.7	881.8
65°	943.1	930.9	943.5	933.8	943.9
67.5°	1013.7	999.6	1003.7	998.8	1004.4
70°	1104.3	1102.5	1097.6	1111.8	1099.5
72.5°	1008.5	1030.0	1012.6	1046.4	1023.3
75°	619.6	659.3	681.2	715.8	710.2
77.5°	146.7	130.4	143.8	128.9	145.2
80°	54.2	49.4	51.6	44.9	50.1
82.5°	37.1	32.3	31.2	24.9	26.7
85°	23.8	19.3	17.8	14.9	16.3
87.5°	14.1	10.8	10.0	8.5	8.9
90°	4.1	1.5	3.0	0.7	2.6
92.5°	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P227497

CATALOG NUMBER: IST-AF-450-LED-E1-RW-8030

**CANDELA DISTRIBUTION (continued):**

	80°	82.5°	85°	87.5°	90°
112.5°	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)