

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: P227504

Luminaire Tested: **IST-AF-450-LED-E1-RW-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P227504
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-7030
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-RECTANGULAR WIDE TYPE I
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2739.5 lumens
Efficiency: N/A
Efficacy: 108.2 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

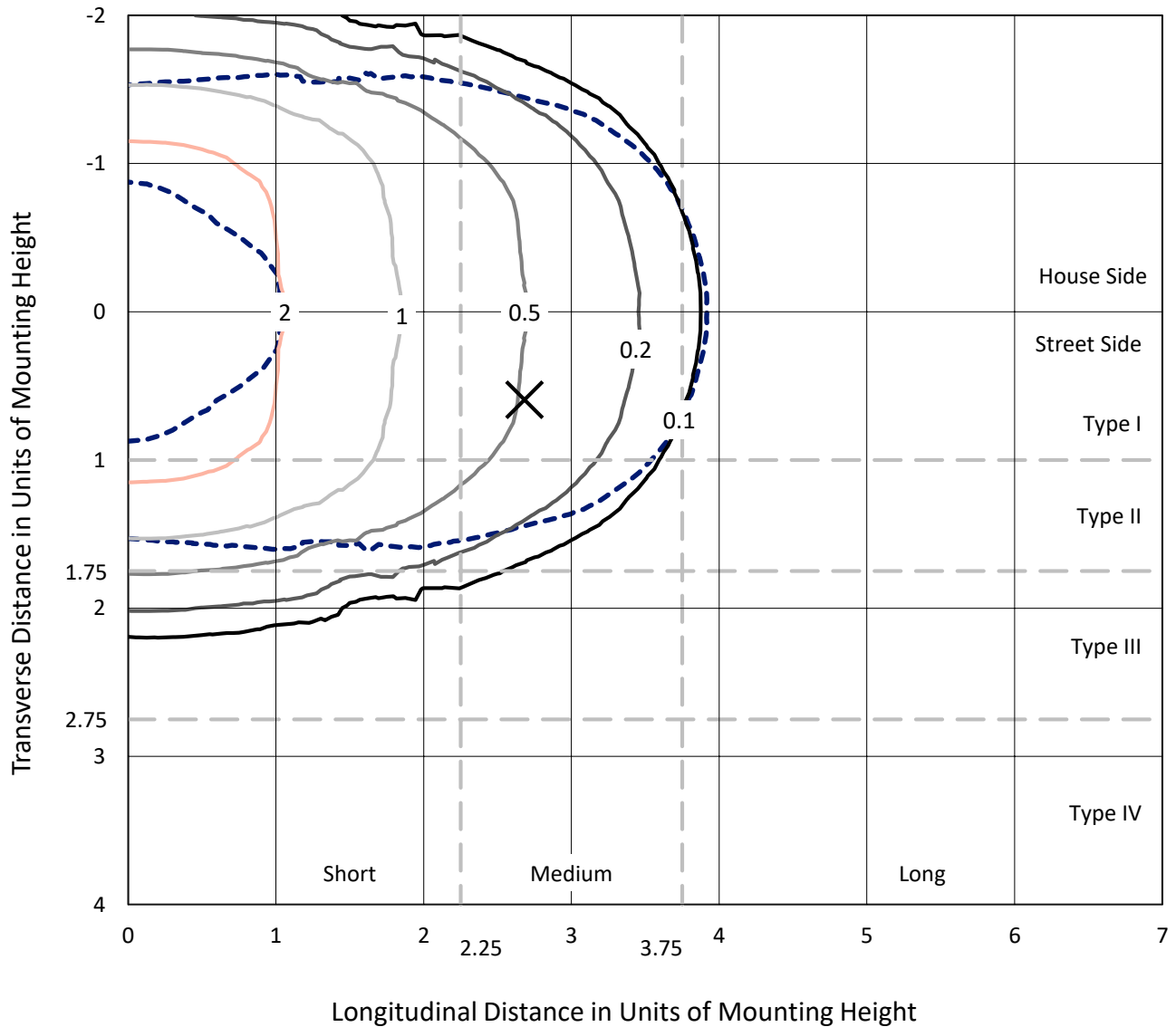
Input Watts (W): 25.31
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

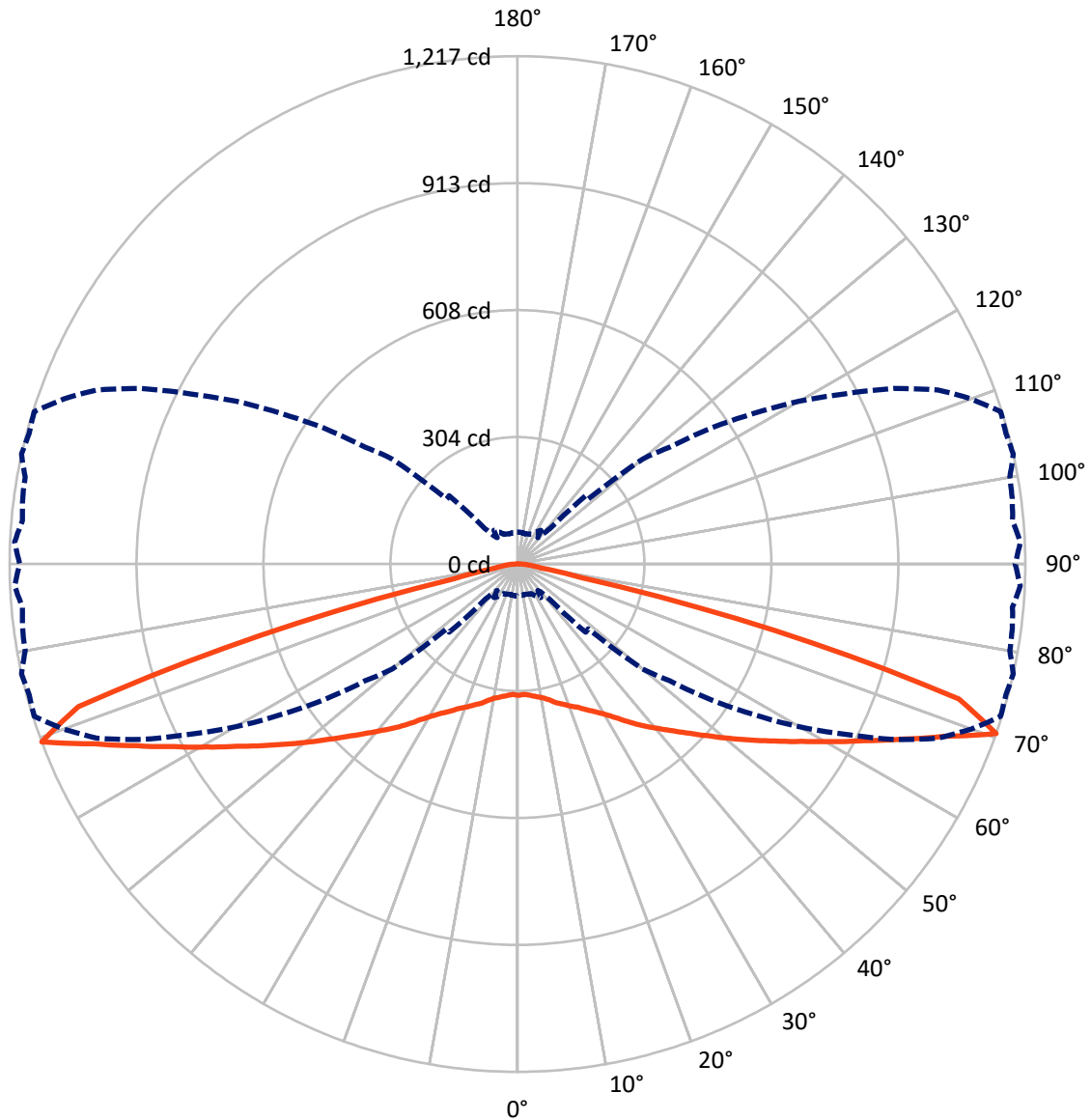
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.2 fc
 Type II - Medium - Cutoff

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1369.6	0.2	1369.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1369.6	0.2	1369.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	2739.1	0.4	2739.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.4	1.1
10°-20°	95.1	3.5
20°-30°	178.5	6.5
30°-40°	312.0	11.4
40°-50°	508.6	18.6
50°-60°	696.0	25.4
60°-70°	640.3	23.4
70°-80°	250.3	9.1
80°-90°	27.9	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°	2739.1	100.0
0°-180°	2739.5	100.0



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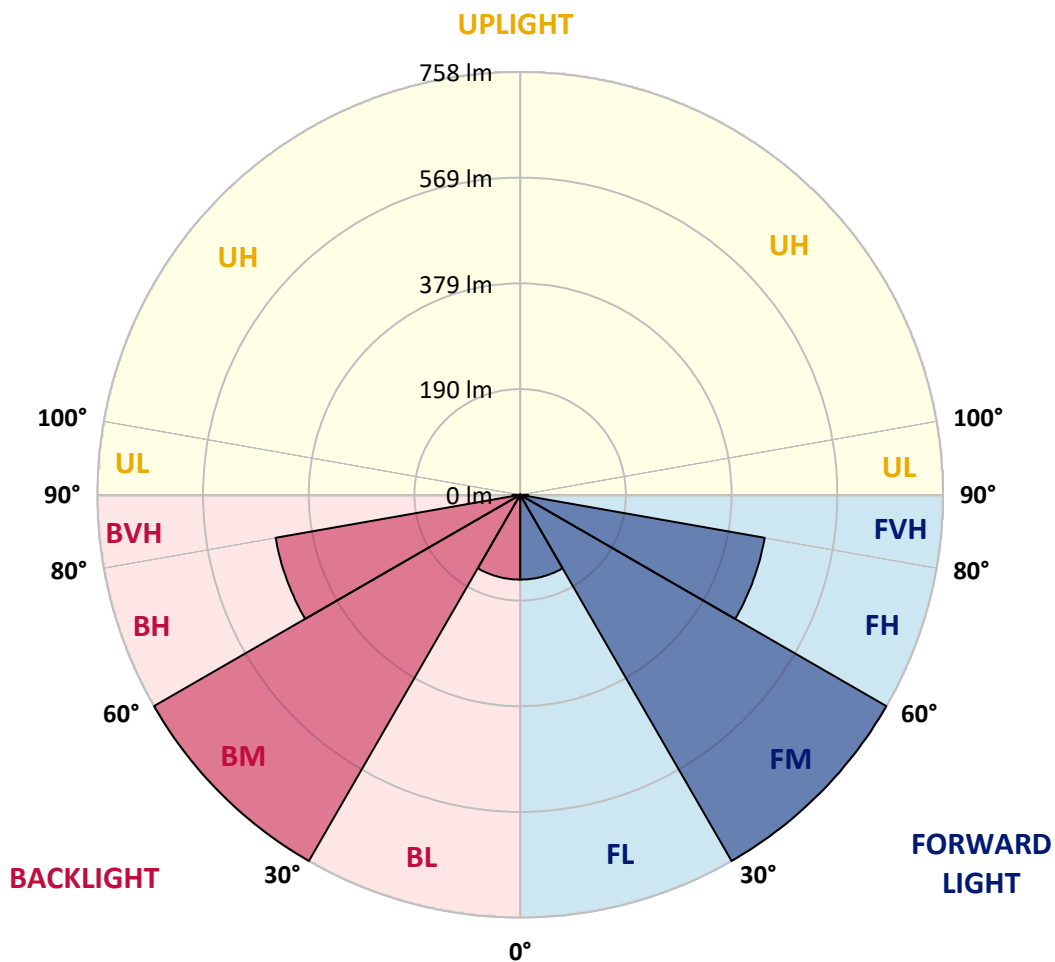
CATALOG NUMBER: IST-AF-450-LED-E1-RW-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	152.0	5.5			
FM	(30°-60°)	758.3	27.7			
FH	(60°-80°)	445.3	16.3			G0/660
FVH	(80°-90°)	13.9	0.5			G1/100
BL	(0°-30°)	152.0	5.5	B1/500		
BM	(30°-60°)	758.3	27.7	B1/1000		
BH	(60°-80°)	445.3	16.3	B1/500		G1/500
BVH	(80°-90°)	13.9	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°	50°
0°	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7
2.5°	313.5	313.1	313.1	313.5	314.3	314.7	313.9	314.3	314.3	313.9	315.1
5°	314.3	313.9	314.3	315.1	316.3	317.5	317.1	317.1	317.5	316.7	318.7
7.5°	313.5	313.1	313.9	315.9	318.7	320.3	320.3	320.3	321.2	320.7	323.2
10°	309.9	309.5	311.5	315.1	320.3	321.6	322.8	323.2	325.6	325.6	328.0
12.5°	306.6	307.0	309.9	315.5	324.0	324.4	326.0	327.6	330.8	329.2	333.6
15°	307.9	308.7	312.3	319.1	330.4	330.0	331.2	332.8	338.1	334.4	341.7
17.5°	313.9	315.1	319.1	327.2	338.9	336.9	338.5	340.9	347.7	343.3	351.8
20°	323.6	325.2	329.6	338.5	349.4	347.3	349.0	351.8	359.8	355.4	363.9
22.5°	336.5	338.1	342.9	353.0	364.7	362.3	363.9	366.3	375.1	368.3	378.8
25°	353.8	355.4	360.6	371.1	384.4	381.6	382.4	384.0	393.3	385.2	395.3
27.5°	378.0	379.6	384.0	394.1	407.0	404.6	405.4	407.0	416.7	408.6	417.5
30°	408.6	410.2	414.2	424.3	435.2	432.4	433.6	434.8	443.6	435.6	442.8
32.5°	444.9	444.5	450.5	461.0	470.6	465.4	465.4	465.4	473.9	465.8	471.5
35°	487.6	487.6	493.6	503.7	512.6	506.5	503.7	502.1	511.3	501.3	505.3
37.5°	534.3	532.3	541.6	550.8	559.3	551.6	549.2	547.2	554.1	542.8	544.8
40°	583.9	582.3	592.3	602.8	608.5	598.4	596.4	593.9	601.2	590.3	589.9
42.5°	629.0	627.8	640.7	652.8	659.6	646.7	643.9	641.5	649.6	638.7	636.3
45°	667.3	666.9	681.8	698.3	710.4	696.7	694.7	690.7	698.7	685.4	684.2
47.5°	697.1	695.5	713.6	737.8	757.1	743.0	742.6	739.8	748.3	733.8	732.2
50°	717.3	718.5	738.2	766.4	797.8	784.5	785.8	784.5	797.0	782.5	784.5
52.5°	720.9	723.3	748.7	785.8	829.7	813.6	822.8	826.5	842.2	829.7	833.7
55°	677.8	684.6	723.3	787.8	849.4	839.3	851.0	861.5	883.7	873.2	880.4
57.5°	581.5	595.6	640.3	733.8	847.0	852.6	876.4	892.5	919.5	910.3	927.2
60°	449.3	459.0	508.5	617.7	769.6	777.3	820.4	871.6	933.6	946.5	973.1
62.5°	294.2	299.8	348.1	459.0	636.3	638.7	692.3	758.8	866.3	894.6	969.1
65°	145.9	153.5	179.3	264.3	445.7	442.4	501.3	579.0	718.5	749.5	870.8
67.5°	91.1	92.3	97.5	122.5	223.2	198.3	246.6	328.0	496.8	524.6	678.6
70°	76.6	76.2	74.9	78.6	98.3	79.8	88.2	115.2	231.3	230.1	391.3
72.5°	70.5	69.3	66.1	65.7	68.5	62.9	63.7	65.3	92.7	77.8	150.7
75°	64.9	62.5	58.4	57.2	57.2	52.8	52.8	53.2	60.0	56.4	68.5
77.5°	58.0	55.2	51.2	49.6	48.0	43.1	42.7	43.1	48.4	45.1	51.2
80°	50.0	47.1	44.3	41.9	39.5	35.1	33.8	33.8	38.3	35.1	39.9
82.5°	43.5	39.9	39.1	35.1	31.4	27.4	26.2	24.2	28.2	24.6	29.8
85°	32.2	29.4	37.1	31.0	25.0	22.2	17.7	14.9	17.7	14.5	18.9
87.5°	18.5	17.3	32.6	24.6	22.2	23.8	14.5	10.5	10.1	8.9	10.5
90°	3.6	4.0	5.2	3.6	4.8	2.4	1.2	1.2	2.4	1.6	2.8
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



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CATALOG NUMBER: IST-AF-450-LED-E1-RW-7030

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



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CATALOG NUMBER: IST-AF-450-LED-E1-RW-7030

CANDELA DISTRIBUTION (continued):

	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°
0°	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7
2.5°	313.9	315.1	313.5	315.1	312.3	314.7	312.7	315.1	313.1	315.1	312.7
5°	315.9	319.1	315.5	319.9	314.7	319.9	315.5	320.3	316.3	320.3	315.9
7.5°	319.1	324.8	319.9	325.6	319.1	326.4	320.3	327.2	321.2	327.6	320.7
10°	323.2	330.4	324.0	331.2	323.6	332.0	324.4	333.2	325.2	334.0	325.6
12.5°	326.8	336.1	328.8	338.5	330.0	340.1	331.2	342.5	332.8	344.5	333.6
15°	333.6	345.7	336.5	348.1	338.5	350.2	340.5	353.4	342.5	355.8	344.5
17.5°	342.5	355.8	346.1	357.8	347.3	360.2	349.8	362.7	351.8	365.5	353.0
20°	354.6	367.9	357.8	369.1	359.0	370.7	360.2	371.9	362.7	374.3	363.5
22.5°	368.3	380.8	369.9	381.2	369.9	380.8	370.7	381.2	371.9	382.8	373.1
25°	384.8	396.5	385.6	395.3	384.0	393.7	384.0	393.7	385.2	394.5	387.2
27.5°	407.8	416.7	405.4	413.8	401.7	410.2	400.1	408.6	400.5	408.6	401.3
30°	433.6	441.6	428.7	435.6	422.3	428.7	417.9	425.1	416.7	424.3	418.7
32.5°	461.8	468.2	455.3	461.0	447.3	452.9	441.2	446.1	438.8	443.6	440.0
35°	493.2	499.7	486.4	491.6	477.9	482.7	471.0	473.5	466.2	469.4	466.2
37.5°	530.7	536.3	521.0	525.9	510.9	517.0	502.9	505.3	496.4	498.5	492.0
40°	571.0	577.0	558.9	563.7	545.2	552.0	536.3	537.9	525.9	527.9	517.8
42.5°	614.5	620.1	597.6	601.6	579.8	587.1	568.6	571.8	557.3	559.3	546.4
45°	662.5	665.7	640.7	643.5	617.3	624.6	601.2	607.2	589.9	593.9	579.0
47.5°	707.2	713.6	686.2	688.6	660.4	664.9	637.9	645.9	627.4	633.4	615.3
50°	758.4	763.2	737.0	737.4	710.0	711.6	681.4	689.4	669.3	675.7	656.4
52.5°	810.7	814.0	785.8	788.6	761.6	764.4	734.2	737.4	714.0	719.7	700.7
55°	861.5	862.3	838.9	838.1	812.8	818.0	784.5	791.8	764.0	770.0	748.7
57.5°	912.3	915.1	893.3	894.1	868.8	872.4	842.2	847.4	821.2	828.5	801.9
60°	965.9	974.7	953.4	956.2	932.0	939.3	902.6	909.5	880.9	892.5	863.9
62.5°	1000.1	1033.2	1029.1	1033.6	1010.6	1014.2	976.4	987.2	953.0	961.4	932.0
65°	934.8	1015.8	1056.9	1102.1	1103.3	1115.0	1078.3	1082.3	1048.1	1046.1	1011.4
67.5°	762.0	861.9	931.2	1023.9	1088.8	1151.2	1173.8	1179.4	1160.9	1141.2	1102.1
70°	459.8	569.0	670.9	780.1	882.5	994.9	1090.4	1156.5	1214.1	1211.3	1216.9
72.5°	181.7	272.4	340.5	442.8	544.4	668.9	774.5	867.6	966.7	1027.5	1106.5
75°	71.7	94.7	110.8	168.0	216.4	309.1	402.1	452.5	530.3	583.5	638.3
77.5°	51.6	56.4	57.2	66.5	70.1	97.1	113.6	131.0	147.5	158.0	155.9
80°	39.9	43.1	43.1	47.1	46.7	52.0	50.8	55.6	55.2	59.2	56.4
82.5°	29.8	31.8	31.8	35.1	35.1	38.3	37.5	40.7	39.5	42.3	39.5
85°	19.3	21.4	21.4	23.0	22.2	25.4	25.0	27.4	26.2	27.4	25.4
87.5°	10.9	12.1	12.5	13.7	12.5	14.9	14.5	15.7	14.5	15.7	14.9
90°	1.6	2.4	1.6	2.4	1.2	3.6	2.0	4.0	1.2	4.8	2.0
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



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CATALOG NUMBER: IST-AF-450-LED-E1-RW-7030

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: P227504

CATALOG NUMBER: IST-AF-450-LED-E1-RW-7030

CANDELA DISTRIBUTION (continued):

	80°	82.5°	85°	87.5°	90°
0°	314.7	314.7	314.7	314.7	314.7
2.5°	314.7	313.9	315.5	313.1	315.1
5°	320.3	316.7	321.2	316.7	320.7
7.5°	328.0	322.0	328.4	322.0	328.4
10°	335.3	325.2	335.7	326.0	336.1
12.5°	346.1	334.0	347.7	334.4	347.7
15°	358.2	344.5	359.8	344.9	360.6
17.5°	367.9	354.6	369.5	354.6	369.9
20°	376.0	365.5	378.0	365.5	379.2
22.5°	385.2	377.6	387.6	377.6	390.1
25°	397.3	392.1	400.1	392.9	401.7
27.5°	411.4	407.8	414.2	409.0	415.8
30°	427.9	426.7	429.9	427.5	431.6
32.5°	446.5	449.3	449.3	449.3	450.9
35°	473.5	475.9	475.9	476.7	477.1
37.5°	499.3	503.3	502.9	504.1	504.1
40°	526.3	531.5	531.5	531.5	532.3
42.5°	556.1	561.7	562.5	560.1	561.7
45°	589.5	591.5	593.5	592.3	595.2
47.5°	625.4	627.4	629.0	627.4	631.8
50°	667.7	667.3	671.7	667.3	673.7
52.5°	712.0	715.6	718.5	714.0	718.5
55°	762.0	760.8	770.0	764.0	770.0
57.5°	816.8	816.8	826.0	820.4	827.3
60°	881.7	876.4	889.3	880.0	889.3
62.5°	947.3	938.1	952.6	944.5	956.6
65°	1023.1	1009.8	1023.5	1013.0	1023.9
67.5°	1099.7	1084.3	1088.8	1083.5	1089.6
70°	1198.0	1196.0	1190.7	1206.0	1192.7
72.5°	1094.0	1117.4	1098.4	1135.1	1110.1
75°	672.1	715.2	739.0	776.5	770.4
77.5°	159.2	141.4	155.9	139.8	157.6
80°	58.8	53.6	56.0	48.8	54.4
82.5°	40.3	35.1	33.8	27.0	29.0
85°	25.8	21.0	19.3	16.1	17.7
87.5°	15.3	11.7	10.9	9.3	9.7
90°	4.4	1.6	3.2	0.8	2.8
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: P227504

CATALOG NUMBER: IST-AF-450-LED-E1-RW-7030

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)