

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: P271631

Luminaire Tested: **IST-AF-450-LED-E1-RW-7027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P271631  
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-7027  
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE  
LIGHT SQUARE WITH ACCULED OPTICS-RECTANGULAR WIDE TYPE I  
Light Source: (16) 2700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

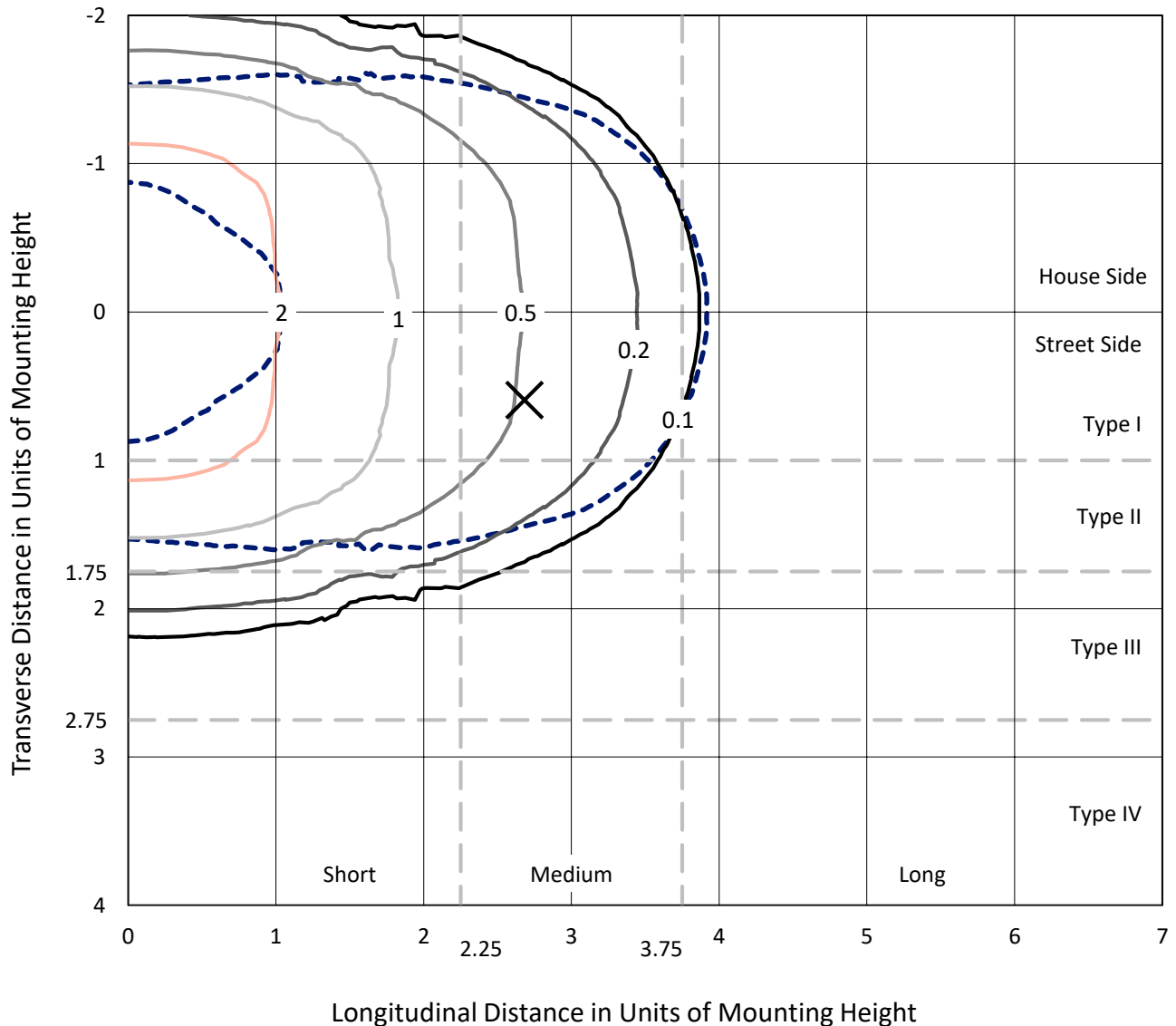
Lumens per Lamp: N/A  
Luminaire Lumens: 2688.8 lumens  
Efficiency: N/A  
Efficacy: 106.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium - Cutoff  
BUG Rating: B1 - U1 - G1  
  
Input Watts (W): 25.31  
Input Voltage (V): 120  
Input Current (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

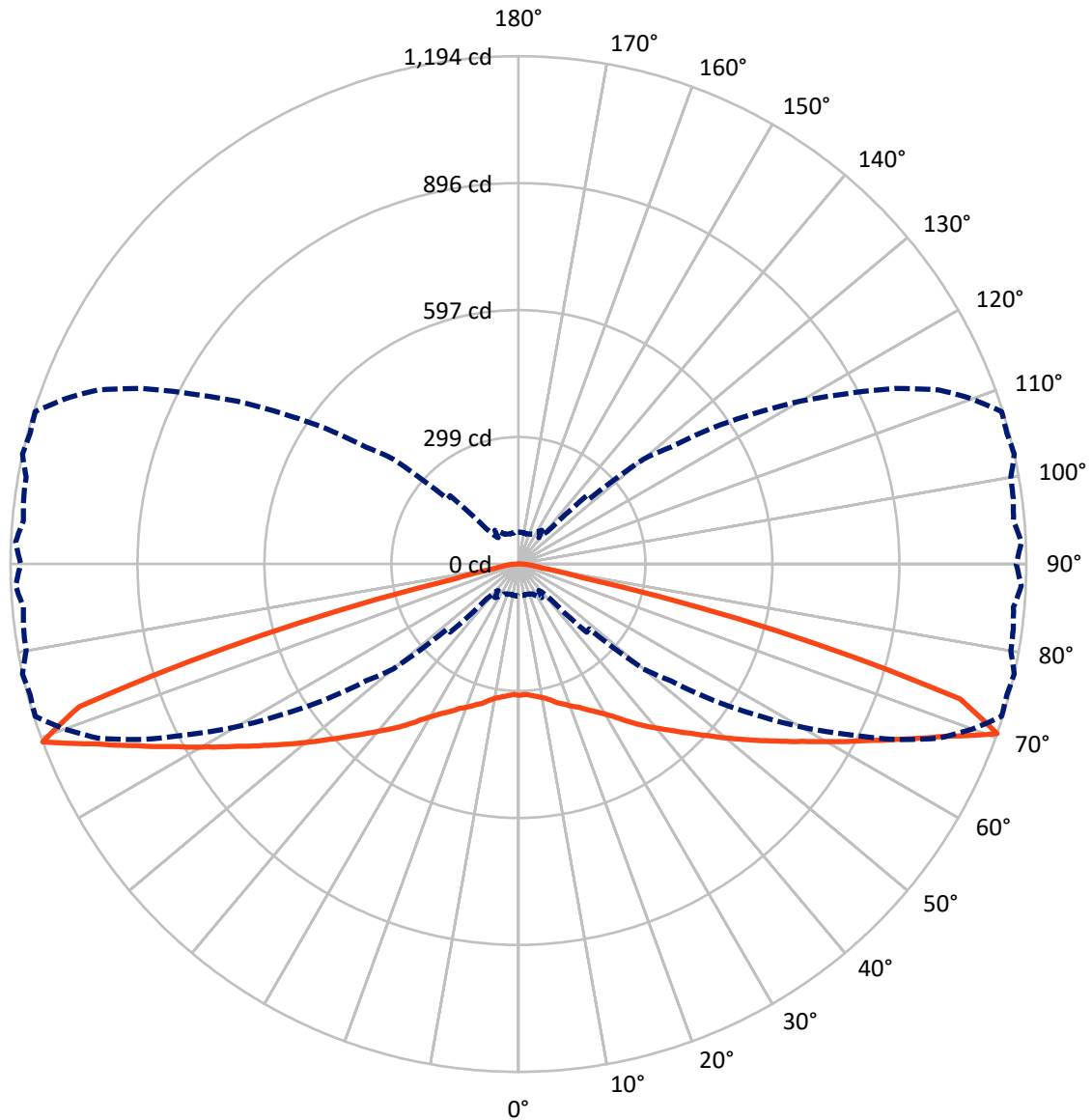
× Max cd  
 - - - 1/2 Max cd



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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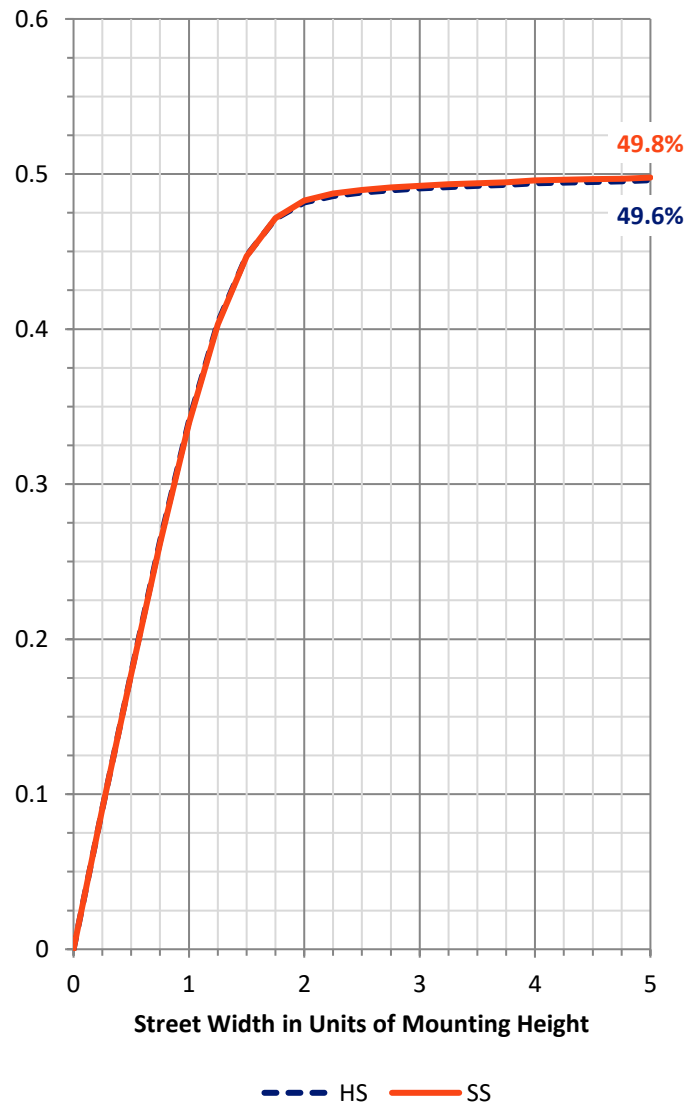
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1344.2	0.2	1344.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1344.2	0.2	1344.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2688.4	0.4	2688.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.8	1.1
10°-20°	93.4	3.5
20°-30°	175.2	6.5
30°-40°	306.2	11.4
40°-50°	499.2	18.6
50°-60°	683.1	25.4
60°-70°	628.4	23.4
70°-80°	245.6	9.1
80°-90°	27.3	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°	2688.4	100.0
0°-180°	2688.8	100.0

**Coefficient of Utilization**



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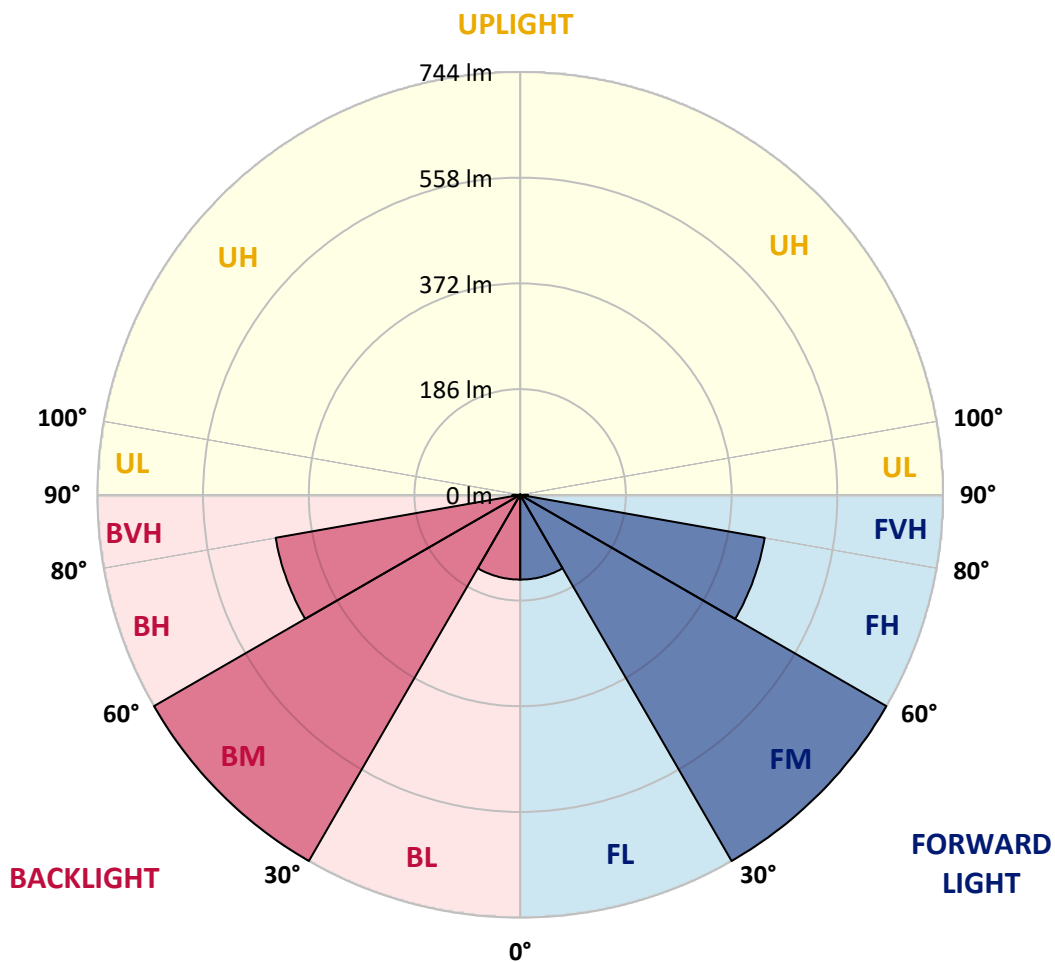
CATALOG NUMBER: IST-AF-450-LED-E1-RW-7027

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	149.2	5.5			
FM	(30°-60°)	744.3	27.7			
FH	(60°-80°)	437.0	16.3			G0/660
FVH	(80°-90°)	13.7	0.5			G1/100
BL	(0°-30°)	149.2	5.5	B1/500		
BM	(30°-60°)	744.3	27.7	B1/1000		
BH	(60°-80°)	437.0	16.3	B1/500		G1/500
BVH	(80°-90°)	13.7	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°	308.8	308.8	308.8	308.8	308.8	308.8	308.8	308.8	308.8	308.8	308.8
2.5°	307.7	307.3	307.3	307.7	308.5	308.8	308.1	308.5	308.5	308.1	309.3
5°	308.5	308.1	308.5	309.3	310.5	311.6	311.3	311.3	311.6	310.8	312.8
7.5°	307.7	307.3	308.1	310.1	312.8	314.4	314.4	314.4	315.2	314.8	317.2
10°	304.2	303.8	305.7	309.3	314.4	315.7	316.8	317.2	319.5	319.5	322.0
12.5°	300.9	301.3	304.2	309.6	318.0	318.4	320.0	321.5	324.6	323.1	327.4
15°	302.2	303.0	306.5	313.1	324.3	323.9	325.1	326.6	331.8	328.2	335.3
17.5°	308.1	309.3	313.1	321.1	332.6	330.7	332.2	334.6	341.3	337.0	345.3
20°	317.6	319.2	323.5	332.2	343.0	340.9	342.5	345.3	353.1	348.8	357.2
22.5°	330.3	331.8	336.5	346.5	358.0	355.5	357.2	359.5	368.1	361.5	371.8
25°	347.3	348.8	353.9	364.3	377.3	374.5	375.3	376.9	386.0	378.1	388.0
27.5°	371.0	372.5	376.9	386.8	399.5	397.1	397.9	399.5	409.0	401.0	409.8
30°	401.0	402.6	406.6	416.5	427.1	424.4	425.5	426.8	435.4	427.5	434.6
32.5°	436.7	436.3	442.1	452.5	461.9	456.8	456.8	456.8	465.1	457.1	462.8
35°	478.5	478.5	484.5	494.3	503.1	497.1	494.3	492.8	501.8	492.0	496.0
37.5°	524.4	522.5	531.5	540.6	549.0	541.4	539.1	537.1	543.8	532.8	534.7
40°	573.1	571.5	581.3	591.6	597.2	587.3	585.3	582.9	590.1	579.4	579.0
42.5°	617.3	616.1	628.8	640.7	647.4	634.7	632.0	629.6	637.5	626.8	624.5
45°	655.0	654.5	669.1	685.4	697.3	683.8	681.8	678.0	685.8	672.7	671.6
47.5°	684.1	682.6	700.4	724.1	743.1	729.2	728.9	726.1	734.5	720.2	718.6
50°	704.0	705.2	724.6	752.2	783.1	769.9	771.3	769.9	782.2	768.1	769.9
52.5°	707.5	709.9	734.8	771.3	814.3	798.5	807.6	811.2	826.6	814.3	818.3
55°	665.3	671.9	709.9	773.2	833.6	823.7	835.2	845.6	867.3	857.1	864.1
57.5°	570.7	584.5	628.5	720.2	831.3	836.8	860.1	875.9	902.4	893.5	910.1
60°	441.0	450.5	499.1	606.3	755.4	762.9	805.2	855.5	916.3	928.9	955.1
62.5°	288.7	294.3	341.6	450.5	624.5	626.8	679.5	744.8	850.2	878.0	951.1
65°	143.2	150.6	176.0	259.4	437.5	434.2	492.0	568.3	705.2	735.6	854.6
67.5°	89.4	90.5	95.7	120.2	219.1	194.7	242.0	322.0	487.6	514.9	666.0
70°	75.2	74.8	73.5	77.2	96.5	78.3	86.6	113.1	227.0	225.8	384.0
72.5°	69.2	68.0	64.9	64.5	67.2	61.7	62.5	64.0	91.0	76.4	148.0
75°	63.7	61.4	57.3	56.1	56.1	51.8	51.8	52.2	58.9	55.3	67.2
77.5°	57.0	54.2	50.2	48.7	47.1	42.3	42.0	42.3	47.5	44.3	50.2
80°	49.0	46.3	43.5	41.1	38.8	34.5	33.1	33.1	37.5	34.5	39.2
82.5°	42.7	39.2	38.4	34.5	30.8	26.9	25.7	23.7	27.7	24.2	29.3
85°	31.6	28.8	36.4	30.5	24.5	21.8	17.3	14.6	17.3	14.2	18.5
87.5°	18.1	17.0	32.0	24.2	21.8	23.4	14.2	10.3	9.9	8.7	10.3
90°	3.5	4.0	5.1	3.5	4.7	2.3	1.2	1.2	2.3	1.5	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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**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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**CANDELA DISTRIBUTION (continued):**

	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°
0°	308.8	308.8	308.8	308.8	308.8	308.8	308.8	308.8	308.8	308.8	308.8
2.5°	308.1	309.3	307.7	309.3	306.5	308.8	307.0	309.3	307.3	309.3	307.0
5°	310.1	313.1	309.6	314.0	308.8	314.0	309.6	314.4	310.5	314.4	310.1
7.5°	313.1	318.8	314.0	319.5	313.1	320.3	314.4	321.1	315.2	321.5	314.8
10°	317.2	324.3	318.0	325.1	317.6	325.8	318.4	327.1	319.2	327.8	319.5
12.5°	320.8	329.9	322.7	332.2	323.9	333.8	325.1	336.1	326.6	338.1	327.4
15°	327.4	339.3	330.3	341.6	332.2	343.7	334.2	346.8	336.1	349.2	338.1
17.5°	336.1	349.2	339.6	351.1	340.9	353.6	343.3	356.0	345.3	358.7	346.5
20°	348.0	361.1	351.1	362.3	352.3	363.8	353.6	365.0	356.0	367.4	356.8
22.5°	361.5	373.8	363.1	374.1	363.1	373.8	363.8	374.1	365.0	375.7	366.1
25°	377.6	389.1	378.5	388.0	376.9	386.5	376.9	386.5	378.1	387.2	380.1
27.5°	400.3	409.0	397.9	406.1	394.3	402.6	392.6	401.0	393.1	401.0	393.9
30°	425.5	433.4	420.8	427.5	414.5	420.8	410.2	417.3	409.0	416.5	411.0
32.5°	453.3	459.6	446.9	452.5	439.0	444.5	433.1	437.8	430.6	435.4	431.8
35°	484.1	490.5	477.4	482.5	469.1	473.8	462.3	464.7	457.6	460.7	457.6
37.5°	520.8	526.4	511.3	516.2	501.4	507.5	493.6	496.0	487.2	489.3	482.9
40°	560.5	566.3	548.5	553.3	535.1	541.8	526.4	527.9	516.2	518.1	508.2
42.5°	603.1	608.6	586.5	590.5	569.1	576.3	558.0	561.2	547.0	549.0	536.3
45°	650.2	653.3	628.8	631.6	605.9	613.0	590.1	595.9	579.0	582.9	568.3
47.5°	694.1	700.4	673.5	675.9	648.1	652.6	626.1	633.9	615.8	621.6	603.9
50°	744.3	749.1	723.3	723.8	696.8	698.4	668.8	676.6	656.9	663.2	644.3
52.5°	795.7	799.0	771.3	774.0	747.5	750.3	720.6	723.8	700.8	706.3	687.7
55°	845.6	846.3	823.4	822.6	797.8	802.8	769.9	777.1	749.8	755.7	734.8
57.5°	895.4	898.1	876.7	877.6	852.7	856.3	826.6	831.7	806.0	813.1	787.1
60°	948.0	956.7	935.8	938.5	914.7	921.9	885.9	892.6	864.6	875.9	847.9
62.5°	981.6	1014.1	1010.1	1014.5	991.9	995.4	958.3	968.9	935.3	943.6	914.7
65°	917.5	997.0	1037.4	1081.6	1082.9	1094.3	1058.3	1062.2	1028.6	1026.8	992.6
67.5°	747.9	845.9	913.9	1004.9	1068.6	1129.9	1152.1	1157.6	1139.4	1120.1	1081.6
70°	451.3	558.5	658.5	765.6	866.1	976.5	1070.2	1135.1	1191.6	1188.9	1194.4
72.5°	178.3	267.3	334.2	434.6	534.3	656.5	760.1	851.5	948.8	1008.4	1086.1
75°	70.3	93.0	108.8	164.9	212.4	303.4	394.6	444.1	520.5	572.7	626.5
77.5°	50.7	55.3	56.1	65.3	68.8	95.3	111.5	128.5	144.8	155.0	153.0
80°	39.2	42.3	42.3	46.3	45.8	51.0	49.9	54.5	54.2	58.1	55.3
82.5°	29.3	31.2	31.2	34.5	34.5	37.5	36.8	40.0	38.8	41.5	38.8
85°	19.0	21.0	21.0	22.5	21.8	25.0	24.5	26.9	25.7	26.9	25.0
87.5°	10.7	11.9	12.3	13.5	12.3	14.6	14.2	15.5	14.2	15.5	14.6
90°	1.5	2.3	1.5	2.3	1.2	3.5	2.0	4.0	1.2	4.7	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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**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: P271631

CATALOG NUMBER: IST-AF-450-LED-E1-RW-7027

**CANDELA DISTRIBUTION (continued):**

	80°	82.5°	85°	87.5°	90°
0°	308.8	308.8	308.8	308.8	308.8
2.5°	308.8	308.1	309.6	307.3	309.3
5°	314.4	310.8	315.2	310.8	314.8
7.5°	322.0	316.0	322.3	316.0	322.3
10°	329.0	319.2	329.5	320.0	329.9
12.5°	339.6	327.8	341.3	328.2	341.3
15°	351.6	338.1	353.1	338.5	353.9
17.5°	361.1	348.0	362.6	348.0	363.1
20°	369.0	358.7	371.0	358.7	372.2
22.5°	378.1	370.6	380.4	370.6	382.9
25°	390.0	384.8	392.6	385.6	394.3
27.5°	403.8	400.3	406.6	401.5	408.1
30°	420.0	418.8	421.9	419.6	423.6
32.5°	438.2	441.0	441.0	441.0	442.5
35°	464.7	467.1	467.1	467.8	468.3
37.5°	490.0	494.0	493.6	494.8	494.8
40°	516.5	521.6	521.6	521.6	522.5
42.5°	545.8	551.3	552.1	549.8	551.3
45°	578.6	580.6	582.6	581.3	584.2
47.5°	613.8	615.8	617.3	615.8	620.1
50°	655.3	655.0	659.3	655.0	661.2
52.5°	698.8	702.4	705.2	700.8	705.2
55°	747.9	746.7	755.7	749.8	755.7
57.5°	801.6	801.6	810.7	805.2	812.0
60°	865.3	860.1	872.8	863.7	872.8
62.5°	929.7	920.8	935.0	927.1	938.9
65°	1004.1	991.1	1004.6	994.2	1004.9
67.5°	1079.3	1064.2	1068.6	1063.4	1069.4
70°	1175.8	1173.8	1168.7	1183.7	1170.6
72.5°	1073.7	1096.7	1078.1	1114.1	1089.6
75°	659.6	701.9	725.3	762.1	756.1
77.5°	156.2	138.8	153.0	137.2	154.7
80°	57.7	52.6	55.0	47.9	53.4
82.5°	39.5	34.5	33.1	26.5	28.5
85°	25.3	20.6	19.0	15.8	17.3
87.5°	15.0	11.5	10.7	9.2	9.5
90°	4.3	1.5	3.1	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: P271631

CATALOG NUMBER: IST-AF-450-LED-E1-RW-7027

**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)