

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: P227374

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P227374
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35948)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: IST-AF-450-LED-E1-SLR-7030
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2394.6 lumens
Efficiency: N/A
Efficacy: 94.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U1 - G1

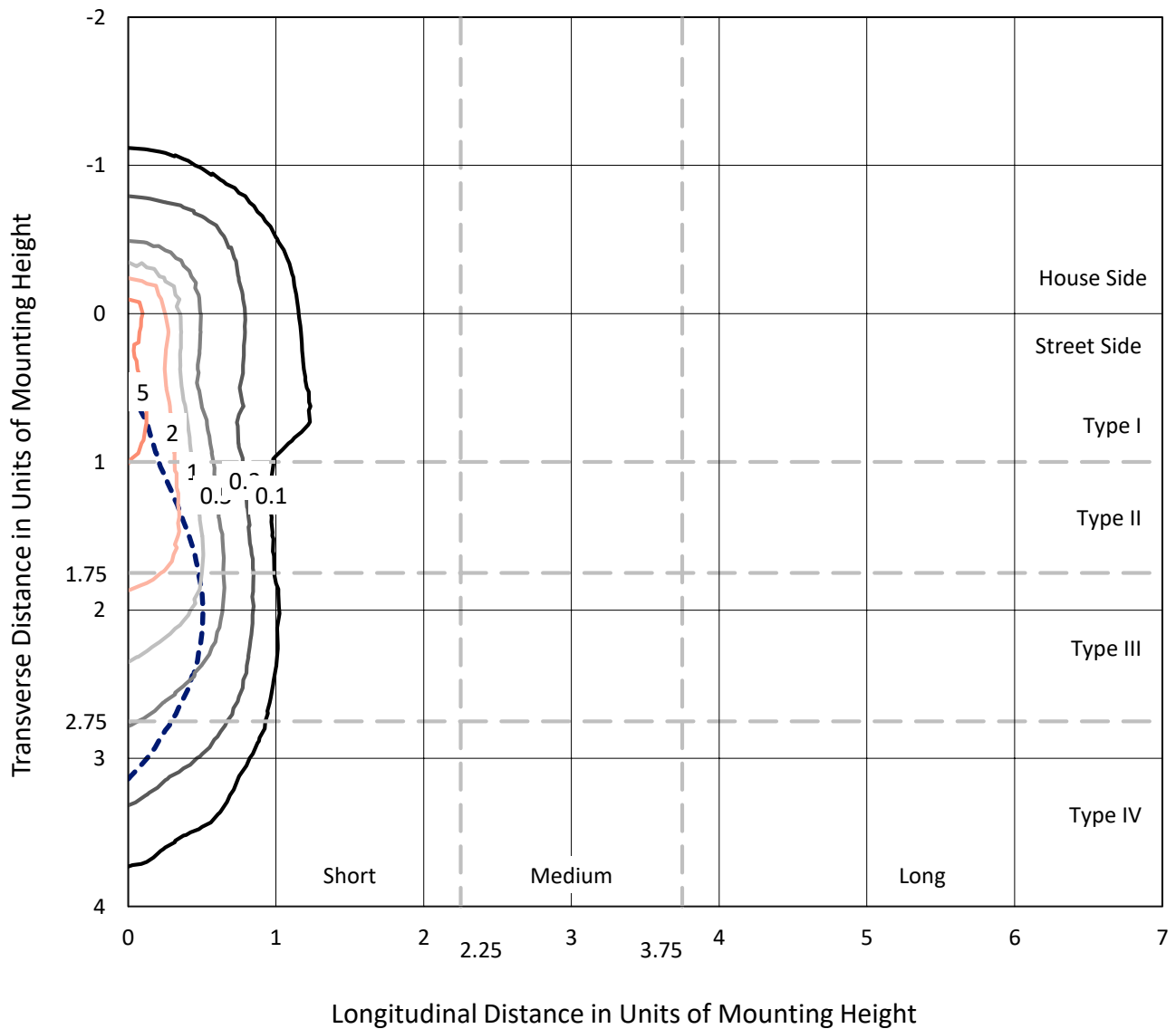
Input Watts (W): 25.31
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

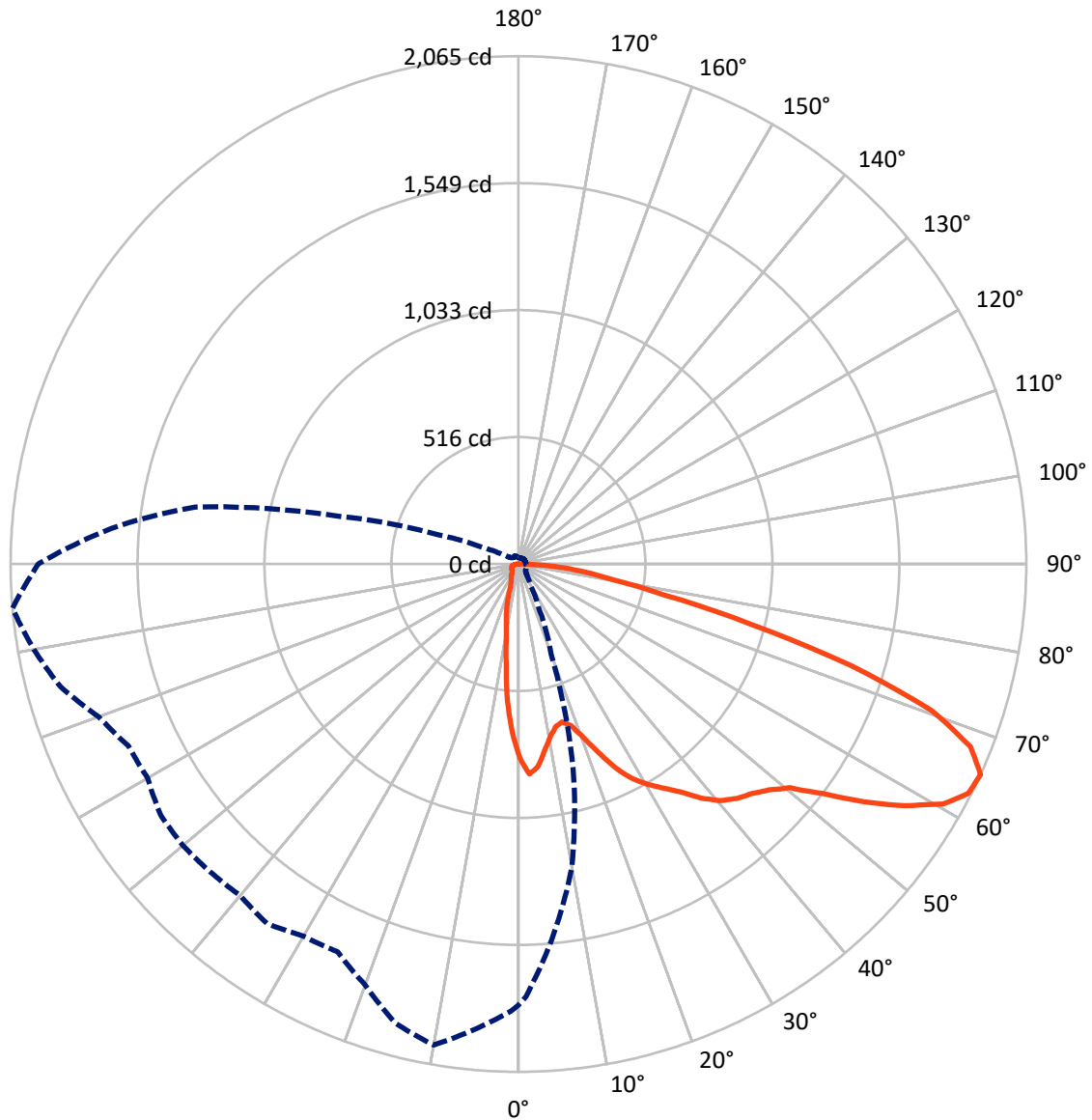
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.9 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 275-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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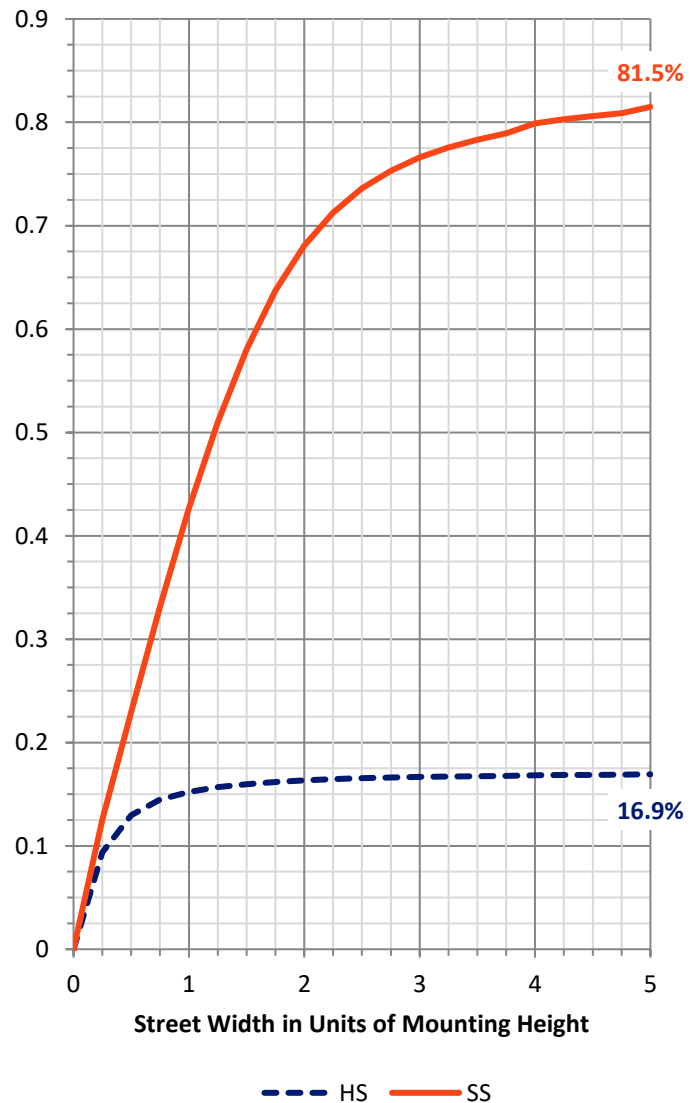
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	410.7	0.0	410.8
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	1983.7	0.1	1983.8
	% Fixture	82.8	0.0	82.8
Total	Lumens	2394.5	0.1	2394.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.6	2.4
10°-20°	112.8	4.7
20°-30°	160.8	6.7
30°-40°	233.3	9.7
40°-50°	333.7	13.9
50°-60°	512.4	21.4
60°-70°	593.1	24.8
70°-80°	302.6	12.6
80°-90°	87.3	3.6
90°-100°	0.1	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°	2394.5	100.0
0°-180°	2394.6	100.0

Coefficient of Utilization



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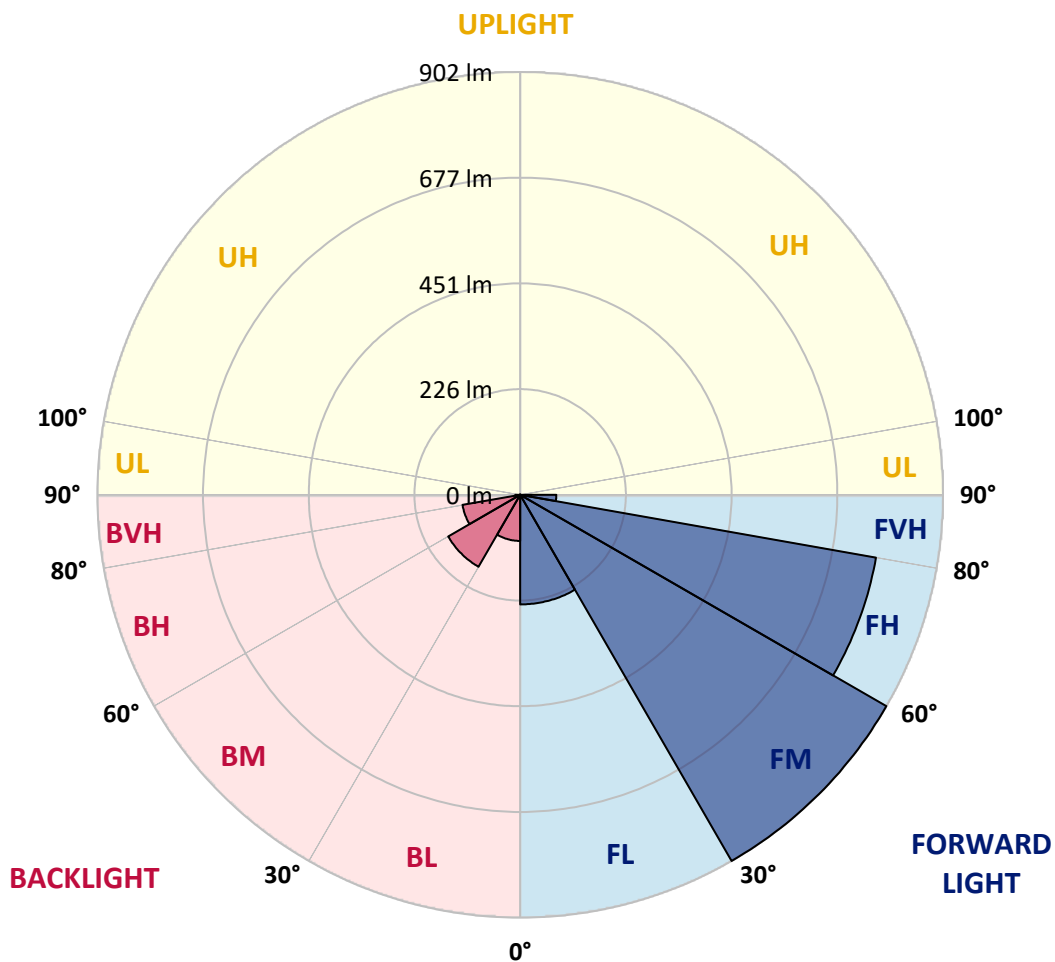
CATALOG NUMBER: IST-AF-450-LED-E1-SLR-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	233.9	9.8			
FM	(30°-60°)	902.0	37.7			
FH	(60°-80°)	770.7	32.2			G1/1800
FVH	(80°-90°)	77.2	3.2			G1/100
BL	(0°-30°)	98.3	4.1	B0/110		
BM	(30°-60°)	177.4	7.4	B0/220		
BH	(60°-80°)	124.9	5.2	B1/500		G1/500
BVH	(80°-90°)	10.1	0.4			G1/100
UL	(90°-100°)	0.1	0.0		U1/10	
UH	(100°-180°)	0.0	0.0		U1/10	

BUG Rating: B1-U1-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	791.1	791.1	791.1	791.1	791.1	791.1	791.1	791.1	791.1	791.1	791.1
2.5°	818.9	814.0	808.0	797.5	788.3	775.0	771.7	755.2	744.7	747.1	728.2
5°	768.9	766.1	751.2	727.8	712.5	682.3	664.9	656.1	631.1	627.9	621.0
7.5°	698.8	690.3	666.1	637.1	610.9	588.8	561.0	539.6	520.7	509.0	488.4
10°	638.7	629.9	603.7	568.2	536.8	505.8	483.2	455.4	428.4	407.4	390.9
12.5°	609.7	600.1	569.4	528.3	493.3	454.6	422.7	395.3	380.4	369.9	356.2
15°	621.0	606.9	570.2	521.1	477.5	436.4	402.6	373.2	355.4	339.3	323.2
17.5°	666.6	649.2	607.3	548.1	487.6	434.4	386.1	352.6	324.4	300.2	278.5
20°	744.7	731.8	671.0	588.0	509.4	435.6	372.0	328.0	293.8	263.2	234.1
22.5°	836.2	816.9	757.2	642.0	537.2	442.9	363.1	307.5	266.8	225.7	194.2
25°	932.1	917.2	838.2	714.5	579.9	457.8	356.2	289.3	234.9	189.4	154.7
27.5°	1009.5	996.2	918.0	784.2	619.0	470.7	346.2	272.0	209.6	154.7	116.5
30°	1072.8	1061.5	979.7	841.4	666.6	475.1	332.1	251.9	181.3	124.9	96.3
32.5°	1143.7	1131.2	1038.9	881.3	687.9	471.1	315.9	232.9	158.8	110.4	82.6
35°	1221.5	1207.0	1105.0	924.5	705.6	457.0	302.2	219.2	147.9	100.3	73.3
37.5°	1290.8	1281.5	1164.7	967.2	725.8	433.6	288.9	204.3	140.6	93.1	66.1
40°	1344.8	1342.4	1230.7	1002.6	741.5	416.7	278.1	192.6	131.4	90.3	63.7
42.5°	1388.3	1387.5	1284.7	1034.5	745.5	401.8	269.6	182.2	122.9	83.4	64.9
45°	1430.2	1429.8	1337.1	1078.8	748.4	402.6	263.2	175.7	115.7	79.0	61.3
47.5°	1470.1	1476.2	1391.9	1140.5	778.2	416.3	260.7	169.7	110.0	74.2	58.0
50°	1537.0	1531.0	1478.6	1223.9	826.1	442.9	256.7	164.4	104.8	69.7	54.8
52.5°	1664.0	1657.1	1610.4	1335.5	878.5	470.3	251.5	157.2	98.7	64.9	51.2
55°	1819.1	1828.4	1763.5	1471.3	949.9	493.3	245.8	147.5	90.7	59.2	48.8
57.5°	1910.2	1902.5	1828.4	1549.5	993.8	505.0	242.2	136.2	78.2	54.4	46.3
59°	1931.5	1918.7	1817.5	1562.8	1005.5	499.3	240.2	125.3	71.7	52.0	45.1
60°	1929.5	1913.8	1800.2	1554.3	1008.7	492.5	237.0	118.9	68.1	50.8	44.7
62.5°	1888.0	1863.4	1701.8	1452.0	963.6	458.2	223.7	103.6	63.3	49.2	42.3
65°	1793.7	1759.1	1536.6	1252.1	860.0	390.1	193.4	97.9	64.5	48.4	40.7
67.5°	1630.9	1603.1	1324.2	1036.1	685.5	315.1	167.2	95.5	66.1	49.2	38.3
70°	1326.7	1302.9	1033.3	775.8	513.4	250.7	151.9	94.3	64.9	47.2	36.3
72.5°	935.8	894.6	686.7	543.2	325.6	201.5	131.8	89.1	63.3	45.5	33.0
75°	569.4	577.1	436.4	395.7	205.5	138.2	103.6	75.0	56.0	40.7	29.8
77.5°	375.6	375.2	322.0	279.3	104.4	85.8	73.3	57.6	43.9	33.4	25.8
80°	254.7	257.5	233.7	190.6	58.0	51.6	48.0	41.9	32.2	25.4	21.4
82.5°	156.8	157.2	180.9	142.7	38.7	32.6	30.6	28.2	23.0	19.7	16.5
85°	54.4	55.6	63.3	100.7	26.2	21.4	21.4	19.7	17.3	13.3	10.9
87.5°	23.4	23.0	27.4	27.4	12.9	10.9	10.1	10.1	9.7	7.3	6.0
90°	1.6	1.2	1.2	1.6	2.0	2.8	2.4	2.8	2.8	2.4	1.6
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



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CANDELA DISTRIBUTION (continued):

	0°	1°	5°	10°	15°	20°	25°	30°	35°	40°	45°
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	791.1	791.1	791.1	791.1	791.1	791.1	791.1	791.1	791.1	791.1	791.1
2.5°	722.6	718.1	705.6	702.4	706.4	698.4	696.4	694.4	679.4	687.1	678.2
5°	604.1	602.9	577.5	582.7	577.5	568.6	565.0	573.5	558.5	561.8	563.8
7.5°	464.2	459.4	442.5	431.2	424.4	418.3	410.7	398.2	407.8	405.8	421.1
10°	376.8	366.3	355.8	340.1	331.3	322.8	313.9	309.1	297.8	296.6	291.4
12.5°	345.4	330.5	317.2	303.5	294.2	277.3	263.2	254.3	247.0	235.8	227.3
15°	303.5	291.0	273.6	260.3	245.8	230.5	216.8	205.5	200.3	189.8	185.0
17.5°	261.1	242.2	221.2	207.9	187.8	172.1	160.8	153.5	145.9	139.4	133.8
20°	210.4	185.8	163.2	146.3	130.6	115.3	110.0	101.2	97.9	95.5	97.5
22.5°	160.0	134.6	111.2	98.3	89.9	85.8	81.4	79.8	78.6	78.2	79.0
25°	117.3	95.9	84.6	79.8	76.6	74.2	72.5	71.3	70.5	70.1	70.5
27.5°	90.7	79.4	73.7	70.5	68.1	66.5	65.7	64.5	64.1	63.7	64.1
30°	78.6	72.5	68.5	65.3	62.5	59.6	58.4	58.0	58.4	58.8	58.4
32.5°	68.5	64.1	59.6	56.8	54.8	53.2	53.2	52.4	52.4	53.6	54.0
35°	62.1	57.6	54.4	50.8	48.4	46.7	45.5	44.7	45.1	45.1	46.3
37.5°	56.8	53.6	50.8	47.6	45.1	43.5	42.7	41.9	41.5	41.1	41.1
40°	53.2	51.2	48.8	45.5	43.1	41.5	40.7	39.9	39.5	39.1	39.1
42.5°	53.2	49.2	47.6	44.7	41.9	40.3	39.1	38.3	37.5	37.5	37.5
45°	58.4	50.4	47.6	44.3	41.5	39.5	38.3	37.1	36.3	36.3	35.9
47.5°	56.8	56.4	48.4	44.3	41.9	39.5	37.9	36.7	35.9	35.5	35.1
50°	54.0	58.8	54.0	45.5	41.9	39.1	37.5	36.3	35.1	34.7	34.7
52.5°	52.4	54.8	56.0	47.2	42.3	39.1	37.1	35.9	35.1	34.3	33.9
55°	48.4	51.6	53.6	46.3	42.3	38.3	36.3	35.1	33.9	33.4	33.0
57.5°	44.3	46.7	51.6	46.3	41.1	37.9	35.5	33.9	33.0	32.6	32.2
59°	43.1	43.1	45.9	47.6	40.3	37.5	35.1	33.4	32.6	32.2	31.4
60°	41.9	41.9	43.5	48.8	39.9	37.1	34.7	33.0	31.8	31.8	31.4
62.5°	40.3	39.1	39.9	45.5	38.7	36.3	33.9	32.2	31.0	31.0	30.6
65°	38.3	36.7	36.7	37.9	36.3	34.7	33.0	31.4	29.8	29.8	30.2
67.5°	36.3	34.7	34.3	34.3	33.4	33.0	31.4	29.8	29.0	29.0	29.0
70°	33.4	32.2	31.8	31.0	31.0	30.6	29.4	28.2	27.4	27.8	27.4
72.5°	30.2	29.4	28.6	28.6	28.2	27.8	26.6	25.8	25.4	25.8	25.8
75°	27.0	25.8	25.8	25.0	25.0	24.6	23.4	23.0	22.6	23.0	23.4
77.5°	23.0	22.2	21.8	21.8	21.8	21.8	20.1	19.7	19.7	20.6	20.6
80°	18.9	18.5	18.1	18.1	18.1	17.7	16.9	16.5	16.5	16.9	17.3
82.5°	14.5	13.7	13.7	14.1	14.5	14.5	13.3	12.5	12.5	13.3	14.1
85°	9.7	9.7	9.7	10.1	10.1	10.5	9.7	8.5	8.9	9.3	10.5
87.5°	5.2	5.6	5.2	4.8	5.6	5.2	5.2	4.8	5.2	5.6	6.0
90°	1.6	1.6	1.2	0.8	0.4	0.8	0.8	1.2	0.4	0.4	0.8
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



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P227374

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

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	791.1	791.1	791.1	791.1	791.1	791.1	791.1	791.1	791.1	791.1	791.1
2.5°	686.3	679.4	675.8	689.9	688.7	676.6	676.6	685.1	685.5	678.2	686.7
5°	566.2	559.4	565.8	560.2	563.4	563.0	567.8	559.0	562.6	559.4	551.7
7.5°	419.9	433.6	440.9	431.6	443.3	449.3	440.9	449.3	436.0	425.2	435.6
10°	288.9	304.3	301.4	316.3	322.0	325.2	331.3	323.6	314.3	311.5	303.9
12.5°	224.1	220.8	219.6	225.7	229.3	224.1	228.5	223.7	218.8	210.4	210.0
15°	175.3	170.1	166.4	159.6	157.2	158.4	160.4	160.4	150.7	151.1	154.7
17.5°	133.0	131.8	129.0	123.3	119.7	120.9	120.5	118.5	117.3	118.1	122.5
20°	99.9	98.7	100.3	102.0	100.7	101.2	99.5	97.5	96.7	97.5	98.3
22.5°	79.0	80.6	82.6	85.0	85.4	87.4	87.0	87.4	85.8	85.0	83.0
25°	72.1	72.9	71.7	72.1	72.1	74.2	73.7	73.7	72.1	71.7	72.1
27.5°	63.7	63.3	63.3	64.1	64.1	65.3	66.1	65.3	63.7	63.3	63.7
30°	58.8	58.4	58.0	58.4	58.0	58.4	59.2	59.2	58.4	57.2	57.6
32.5°	54.0	54.0	53.6	54.0	53.6	53.6	54.4	53.2	53.2	52.8	52.8
35°	47.6	48.4	49.2	49.6	49.6	49.6	50.4	49.2	48.8	48.4	48.4
37.5°	41.1	41.9	44.3	45.5	45.9	46.7	47.2	46.3	45.5	44.7	43.9
40°	39.1	39.1	39.9	41.5	43.1	43.5	44.3	43.1	42.7	41.5	40.3
42.5°	37.5	37.9	37.9	38.3	38.7	39.5	40.7	39.5	38.7	37.9	36.7
45°	36.3	36.3	36.3	36.3	35.9	35.9	36.3	35.5	35.1	34.7	34.7
47.5°	35.5	35.1	34.7	34.3	33.9	33.4	33.4	32.6	32.6	32.6	32.6
50°	34.7	33.9	33.4	33.0	32.2	32.2	32.2	31.4	31.0	31.0	31.4
52.5°	33.4	33.0	32.6	32.2	31.8	31.4	31.4	30.6	30.2	30.2	30.2
55°	33.0	32.6	31.8	31.4	31.0	31.4	31.0	30.6	29.8	29.8	29.8
57.5°	31.8	32.2	31.8	31.0	31.0	31.0	31.0	30.2	29.8	29.0	29.4
59°	31.4	31.8	31.4	31.0	30.6	31.0	31.0	29.8	29.4	29.0	29.0
60°	31.0	31.4	31.0	30.6	30.6	31.0	30.6	30.2	29.4	28.2	28.6
62.5°	30.6	30.6	30.2	30.2	29.8	30.2	29.8	29.0	28.2	27.4	27.0
65°	29.8	29.8	29.4	29.4	29.0	29.0	29.0	28.2	27.4	26.6	26.6
67.5°	29.4	29.0	28.6	28.6	28.2	28.2	28.2	27.4	26.2	25.8	25.4
70°	27.8	27.4	27.4	27.0	26.6	27.0	27.4	26.2	25.0	24.2	23.8
72.5°	26.2	25.8	25.8	25.4	25.4	25.8	26.2	25.0	23.4	22.6	22.2
75°	23.8	23.4	23.4	23.4	23.4	24.2	24.2	23.0	21.8	20.6	19.7
77.5°	20.6	21.0	21.0	21.0	21.0	21.8	21.8	21.0	19.7	18.9	17.7
80°	17.7	17.7	18.1	18.1	18.5	18.5	18.1	17.7	17.3	16.5	14.9
82.5°	14.9	14.9	14.9	14.9	14.9	14.5	13.7	14.5	14.5	13.7	12.5
85°	11.7	11.7	11.7	12.1	12.1	10.9	9.7	9.7	10.9	10.5	9.7
87.5°	6.9	6.9	7.3	8.5	7.7	7.3	6.0	6.4	6.0	6.9	5.6
90°	1.6	1.2	1.2	0.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0
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



REPORT NUMBER: P227374
 CATALOG NUMBER: IST-AF-450-LED-E1-SLR-7030

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59°
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°
												70°
												72.5°
												75°
												77.5°
												80°
												82.5°
												85°
												87.5°
												90°
												92.5°
												95°
												97.5°
												100°
												102.5°
												105°
												107.5°

NUMBER: P227374
 NUMBER: IST-AF-450-LED-E1-SLR-7030

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

160°	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	110°	160°
791.1	791.1	791.1	791.1	791.1	791.1	791.1	791.1	791.1	791.1	791.1	110°	0.0
687.5	689.1	692.7	691.5	704.8	700.8	710.1	722.6	734.3	728.6	730.2	112.5°	0.0
565.4	567.4	552.1	561.4	575.1	569.4	567.4	586.0	581.5	602.5	585.1	115°	0.0
418.7	413.9	406.6	403.0	392.9	392.9	411.9	420.3	419.1	433.6	448.5	117.5°	0.0
294.2	288.5	279.7	277.3	287.3	292.2	300.6	309.1	320.4	336.9	346.6	120°	0.0
216.0	214.0	216.0	222.0	231.3	238.2	251.1	266.0	278.5	291.8	304.7	122.5°	0.0
163.2	167.2	172.5	176.5	183.8	196.7	203.5	220.0	231.3	243.0	257.9	125°	0.0
126.9	129.4	130.6	132.2	138.2	147.5	147.5	164.4	179.3	194.6	207.1	127.5°	0.0
96.7	96.7	92.7	95.1	95.9	95.1	99.9	109.6	119.3	129.4	149.1	130°	0.0
81.0	78.6	77.4	77.0	77.4	79.0	81.8	85.4	87.0	91.5	99.1	132.5°	0.0
71.7	71.3	70.1	70.1	70.9	71.3	74.2	77.4	78.2	79.4	82.2	135°	0.0
63.3	64.1	65.3	64.9	65.3	66.1	68.1	70.9	72.5	72.9	75.0	137.5°	0.0
57.2	58.0	58.4	59.6	59.6	60.0	61.7	64.5	65.7	67.7	69.7	140°	0.0
53.2	53.6	54.0	53.6	54.0	54.0	56.0	58.8	60.4	61.7	62.9	142.5°	0.0
48.8	48.4	48.4	48.4	47.2	46.7	47.6	50.4	50.8	52.0	54.8	145°	0.0
43.5	42.3	41.5	41.5	41.5	41.9	43.9	46.7	47.2	48.4	50.8	147.5°	0.0
38.7	38.3	38.3	38.7	39.1	39.9	41.5	44.3	44.7	45.9	48.0	150°	0.0
36.3	36.3	36.3	36.7	37.1	37.5	39.5	42.3	43.1	44.3	46.7	152.5°	0.0
34.7	35.1	34.7	34.7	35.1	35.9	37.9	41.1	42.3	43.5	45.9	155°	0.0
33.4	33.4	33.4	33.9	33.9	34.7	37.1	40.3	41.1	42.7	46.3	157.5°	0.0
31.8	32.6	32.2	32.6	33.0	33.9	36.3	39.5	40.7	43.1	47.2	160°	0.0
31.0	31.0	31.0	31.4	32.2	32.6	34.7	38.3	39.9	43.1	49.6	162.5°	0.0
30.6	29.8	29.8	30.2	31.0	31.8	33.9	37.5	39.5	42.7	49.2	165°	0.0
30.2	29.0	28.6	29.0	29.8	30.2	32.6	36.3	39.1	41.5	47.6	167.5°	0.0
29.0	28.2	27.8	28.2	29.0	29.8	31.8	35.5	37.5	40.7	45.5	170°	0.0
28.6	27.4	27.4	27.8	28.6	29.0	31.0	34.7	36.7	41.1	46.7	172.5°	0.0
27.0	26.6	26.6	27.0	27.0	27.8	30.2	33.9	35.5	41.9	39.1	175°	0.0
25.8	25.8	25.8	25.8	26.2	26.6	29.4	33.0	33.9	36.3	33.4	177.5°	0.0
25.0	25.0	25.0	25.0	25.0	25.8	28.2	31.8	32.2	31.8	30.6	180°	0.0
23.4	23.4	23.4	23.4	23.8	24.2	26.6	29.8	29.8	29.0	29.0		
22.2	21.8	21.8	21.8	21.8	22.2	24.6	27.8	27.4	27.0	27.0		
19.7	19.7	19.7	19.7	19.7	19.7	22.2	25.4	25.0	24.6	24.2		
17.3	17.3	17.7	17.3	16.9	16.5	18.9	22.6	22.6	22.2	21.8		
14.9	14.5	14.9	14.5	13.7	13.7	15.7	18.9	19.3	18.9	18.1		
12.1	11.7	11.7	11.7	10.1	10.1	12.1	15.3	15.3	14.9	14.1		
9.3	8.9	8.5	8.1	6.9	6.9	8.5	11.3	11.7	10.1	9.7		
4.8	4.8	4.8	3.6	3.2	2.8	4.4	6.9	6.9	5.6	4.8		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

'227374
 IST-AF-450-LED-E1-SLR-7030

REPORT NUMBER: P227374
 CATALOG NUMBER: IST-AF-450

TION (continued):

CANDELA DISTRIBUTION (con

165°	170°	175°	180°	185°	190°	195°	200°	205°	210°		215°	220°
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0°	791.1	791.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	740.3	743.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	598.0	612.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	452.2	471.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	362.3	375.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	318.0	336.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	272.8	293.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	223.7	248.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	170.9	195.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	120.1	140.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	87.4	96.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	77.8	81.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	72.9	75.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	65.7	68.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	57.6	60.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	53.6	56.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	51.2	51.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	49.2	49.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	48.0	49.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	48.8	54.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	54.8	53.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	56.0	50.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	51.2	48.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	45.9	41.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59°	41.1	38.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	38.3	37.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	35.1	35.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	32.6	34.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	31.4	32.6
										70°	29.4	30.2
										72.5°	27.4	27.8
										75°	24.6	25.0
										77.5°	21.8	21.8
										80°	17.7	17.7
										82.5°	13.7	13.3
										85°	8.9	8.5
										87.5°	4.0	3.2
										90°	0.0	0.0
										92.5°	0.0	0.0
										95°	0.0	0.0
										97.5°	0.0	0.0
										100°	0.0	0.0
										102.5°	0.0	0.0
										105°	0.0	0.0
										107.5°	0.0	0.0



REPORT NUMBER: P227374

CATALOG NUMBER: IST-AF-450-LED-E1-S

0-LED-E1-SLR-7030

tinued):

CANDELA DISTRIBUTION (continued):

225°	230°	235°	240°	245°	250°	255°	260°	265°		215°	220°	225°
791.1	791.1	791.1	791.1	791.1	791.1	791.1	791.1	791.1	110°	0.0	0.0	0.0
762.1	773.3	782.2	780.6	799.5	810.8	812.4	824.1	835.4	112.5°	0.0	0.0	0.0
623.4	639.1	654.5	665.7	695.6	720.1	739.1	759.2	783.0	115°	0.0	0.0	0.0
496.9	510.2	535.2	553.3	584.7	613.4	641.2	673.0	700.0	117.5°	0.0	0.0	0.0
389.3	406.2	429.6	463.4	491.7	524.3	559.4	589.6	634.7	120°	0.0	0.0	0.0
349.8	360.3	379.6	395.7	430.8	465.5	505.0	546.5	588.0	122.5°	0.0	0.0	0.0
309.1	327.6	345.8	369.1	399.8	437.7	480.4	525.1	571.8	125°	0.0	0.0	0.0
269.6	294.2	313.9	339.3	373.6	421.5	477.1	532.8	587.6	127.5°	0.0	0.0	0.0
221.2	244.2	278.9	304.7	349.4	409.4	480.8	557.7	631.9	130°	0.0	0.0	0.0
174.1	198.7	238.2	276.5	325.6	403.0	495.3	598.8	698.0	132.5°	0.0	0.0	0.0
124.5	158.0	197.1	245.4	305.1	399.0	515.0	649.6	783.0	135°	0.0	0.0	0.0
93.1	116.5	164.0	216.8	282.1	391.7	536.0	696.8	841.0	137.5°	0.0	0.0	0.0
83.0	99.5	130.6	186.2	253.9	377.6	551.7	741.5	893.8	140°	0.0	0.0	0.0
72.5	85.4	110.0	157.2	228.5	355.8	558.5	765.3	930.5	142.5°	0.0	0.0	0.0
63.7	75.8	100.7	145.9	215.6	331.3	557.3	789.1	976.5	145°	0.0	0.0	0.0
58.0	68.5	96.7	143.1	205.5	308.7	558.5	827.3	1044.6	147.5°	0.0	0.0	0.0
53.6	65.7	93.5	137.0	200.7	296.2	563.4	861.2	1103.0	150°	0.0	0.0	0.0
53.6	64.9	85.4	128.6	198.3	297.4	565.4	887.4	1146.5	152.5°	0.0	0.0	0.0
56.4	60.9	79.4	123.7	199.9	306.3	563.0	914.0	1188.8	155°	0.0	0.0	0.0
53.6	56.8	75.4	122.9	199.9	312.7	570.2	947.0	1244.4	157.5°	0.0	0.0	0.0
50.8	52.8	74.2	121.7	195.9	318.8	600.1	1008.7	1317.0	160°	0.0	0.0	0.0
47.2	49.6	72.5	119.7	191.4	326.4	652.8	1112.3	1437.1	162.5°	0.0	0.0	0.0
42.7	47.6	70.1	116.5	188.6	340.1	706.9	1217.0	1580.1	165°	0.0	0.0	0.0
41.1	45.5	64.5	108.8	185.8	355.0	764.5	1317.4	1708.7	167.5°	0.0	0.0	0.0
39.9	43.9	59.6	103.2	183.4	362.3	781.8	1355.7	1758.3	170°	0.0	0.0	0.0
39.1	43.1	56.8	98.3	180.5	362.7	794.3	1370.2	1765.5	172.5°	0.0	0.0	0.0
37.9	41.5	51.2	88.3	171.7	362.3	795.5	1379.4	1744.6	175°	0.0	0.0	0.0
35.9	39.9	51.6	83.0	155.6	345.4	745.5	1334.7	1661.1	177.5°	0.0	0.0	0.0
34.3	38.7	54.4	84.2	138.6	301.8	652.0	1195.7	1482.6	180°	0.0	0.0	0.0
31.8	37.9	56.8	87.0	133.8	250.7	493.3	976.5	1241.6				
29.4	37.5	58.8	89.1	128.6	206.3	341.7	692.3	929.3				
26.6	34.3	53.6	75.8	106.4	149.9	220.0	453.0	640.8				
23.0	27.4	39.1	53.2	78.2	104.8	130.2	273.6	419.1				
18.9	20.6	27.8	34.3	52.0	62.1	72.1	154.3	293.0				
14.1	14.5	18.9	21.8	29.4	34.3	43.1	94.7	237.4				
8.1	9.3	12.9	14.5	17.7	21.8	28.2	60.4	186.2				
3.2	4.0	7.7	8.5	9.7	12.1	15.7	35.1	58.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				



REPORT NUMBER: P227374

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

SLR-7030

CANDELA DISTRIBUTION (continued):

230°	235°	240°	245°	250°	255°	260°	265°		270°	275°	280°	285°
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0°	791.1	791.1	791.1	791.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	846.7	855.2	862.4	868.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	808.4	828.2	851.9	872.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	740.3	765.3	804.0	827.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	675.8	712.5	754.8	789.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	631.9	677.4	717.7	756.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	619.8	666.1	702.4	737.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	644.0	690.3	721.4	742.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	700.8	750.4	770.1	768.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	778.6	830.6	830.6	814.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	881.3	918.8	898.3	867.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	954.3	989.3	953.5	903.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	1014.7	1040.5	995.0	934.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	1067.9	1086.9	1026.8	966.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	1131.6	1138.5	1059.9	995.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	1202.1	1207.8	1107.4	1027.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	1285.1	1265.0	1142.5	1057.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	1336.3	1303.3	1167.9	1072.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	1376.6	1331.5	1179.6	1081.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	1426.2	1373.0	1200.1	1097.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	1491.5	1430.6	1252.1	1142.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	1625.3	1549.9	1345.6	1222.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	1779.2	1707.9	1495.1	1353.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	1902.5	1854.6	1628.5	1471.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59°	1948.1	1927.5	1722.8	1572.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	1965.0	1982.7	1772.8	1633.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	1976.7	2053.7	1935.2	1816.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	1952.5	2065.3	2000.9	1927.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	1847.3	1982.3	1969.8	1905.8
								70°	1632.1	1782.4	1826.0	1734.9
								72.5°	1227.9	1414.5	1651.9	1509.2
								75°	799.9	972.4	1410.5	1292.8
								77.5°	500.9	606.9	1006.3	905.5
								80°	333.3	390.1	638.7	581.5
								82.5°	250.7	276.5	439.3	413.1
								85°	132.2	168.5	341.7	433.2
								87.5°	49.6	55.2	257.1	387.3
								90°	0.0	0.0	0.4	0.0
								92.5°	0.0	0.0	0.0	0.0
								95°	0.0	0.0	0.0	0.0
								97.5°	0.0	0.0	0.0	0.0
								100°	0.0	0.0	0.0	0.0
								102.5°	0.0	0.0	0.0	0.0
								105°	0.0	0.0	0.0	0.0
								107.5°	0.0	0.0	0.0	0.0



REPORT NUMBER: P227374

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

CANDELA DISTRIBUTION (continued):

290°	295°	300°	305°	310°	315°	320°		270°	275°	280°	285°	290°
791.1	791.1	791.1	791.1	791.1	791.1	791.1	110°	0.0	0.0	0.0	0.0	0.0
872.9	880.1	884.6	881.3	886.6	887.8	882.2	112.5°	0.0	0.0	0.0	0.0	0.0
889.0	909.2	923.7	933.7	937.8	941.4	939.8	115°	0.0	0.0	0.0	0.0	0.0
859.2	890.2	917.2	935.8	942.2	947.0	942.6	117.5°	0.0	0.0	0.0	0.0	0.0
826.1	858.4	883.8	902.3	901.9	906.7	898.3	120°	0.0	0.0	0.0	0.0	0.0
795.1	826.5	849.1	848.3	842.7	828.6	826.1	122.5°	0.0	0.0	0.0	0.0	0.0
770.5	787.0	792.7	791.5	775.4	767.3	766.1	125°	0.0	0.0	0.0	0.0	0.0
758.4	757.6	744.7	730.6	715.3	714.5	704.0	127.5°	0.0	0.0	0.0	0.0	0.0
760.4	734.3	710.5	686.3	669.8	666.1	667.4	130°	0.0	0.0	0.0	0.0	0.0
785.8	739.5	694.8	670.2	650.8	645.2	647.6	132.5°	0.0	0.0	0.0	0.0	0.0
817.7	755.6	700.0	662.5	646.8	640.0	641.2	135°	0.0	0.0	0.0	0.0	0.0
839.0	774.1	717.3	671.0	649.6	643.2	647.2	137.5°	0.0	0.0	0.0	0.0	0.0
866.4	799.5	740.7	692.7	660.9	652.4	655.3	140°	0.0	0.0	0.0	0.0	0.0
893.4	826.9	773.7	719.3	680.7	664.9	669.4	142.5°	0.0	0.0	0.0	0.0	0.0
922.5	858.8	805.2	755.6	710.1	685.5	691.1	145°	0.0	0.0	0.0	0.0	0.0
956.3	895.9	849.9	804.4	757.6	737.1	739.5	147.5°	0.0	0.0	0.0	0.0	0.0
988.9	932.1	902.7	868.9	841.4	810.0	810.0	150°	0.0	0.0	0.0	0.0	0.0
1008.3	979.3	971.2	961.5	945.4	922.9	918.0	152.5°	0.0	0.0	0.0	0.0	0.0
1032.1	1035.3	1053.8	1073.2	1078.0	1055.8	1049.0	155°	0.0	0.0	0.0	0.0	0.0
1076.8	1110.6	1171.5	1224.3	1234.8	1252.9	1232.0	157.5°	0.0	0.0	0.0	0.0	0.0
1139.7	1202.1	1304.9	1391.1	1415.7	1417.3	1418.9	160°	0.0	0.0	0.0	0.0	0.0
1211.4	1300.9	1436.7	1539.4	1583.4	1595.0	1586.6	162.5°	0.0	0.0	0.0	0.0	0.0
1334.3	1415.3	1564.0	1674.8	1731.3	1758.7	1751.4	165°	0.0	0.0	0.0	0.0	0.0
1456.0	1556.8	1687.7	1796.9	1857.0	1887.6	1894.1	167.5°	0.0	0.0	0.0	0.0	0.0
1539.0	1633.3	1754.2	1855.0	1914.2	1950.9	1954.1	170°	0.0	0.0	0.0	0.0	0.0
1589.8	1676.0	1794.1	1882.8	1942.0	1973.1	1984.3	172.5°	0.0	0.0	0.0	0.0	0.0
1743.8	1759.5	1840.1	1898.5	1940.0	1954.1	1962.6	175°	0.0	0.0	0.0	0.0	0.0
1815.9	1750.2	1740.9	1777.2	1780.8	1771.6	1759.9	177.5°	0.0	0.0	0.0	0.0	0.0
1715.5	1562.0	1505.2	1500.3	1485.4	1479.4	1442.3	180°	0.0	0.0	0.0	0.0	0.0
1489.9	1268.6	1168.3	1113.9	1146.9	1145.7	1107.8						
1255.3	1030.1	899.9	821.7	812.0	810.4	777.4						
1019.6	808.4	694.4	656.5	610.9	597.2	602.9						
735.1	577.1	552.9	581.9	585.5	575.1	567.8						
463.0	434.0	457.4	510.2	541.2	527.5	532.8						
386.1	341.7	343.4	399.0	419.9	423.1	412.3						
428.4	342.1	280.5	273.6	266.4	167.6	233.3						
386.1	264.8	156.0	128.6	79.0	45.5	47.2						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	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):

295°	300°	305°	310°	315°	320°		325°	330°	335°	340°	345°	350°
0.0	0.0	0.0	0.0	0.0	0.0	0°	791.1	791.1	791.1	791.1	791.1	791.1
0.0	0.0	0.0	0.0	0.0	0.0	2.5°	880.9	873.3	864.8	853.5	855.6	841.9
0.0	0.0	0.0	0.0	0.0	0.0	5°	927.3	914.0	895.9	872.9	851.5	824.1
0.0	0.0	0.0	0.0	0.0	0.0	7.5°	922.5	901.1	870.9	836.2	808.0	768.5
0.0	0.0	0.0	0.0	0.0	0.0	10°	880.9	853.1	828.6	792.7	756.0	721.4
0.0	0.0	0.0	0.0	0.0	0.0	12.5°	822.9	807.2	785.8	758.8	723.4	687.9
0.0	0.0	0.0	0.0	0.0	0.0	15°	759.6	760.9	748.0	740.7	723.0	694.8
0.0	0.0	0.0	0.0	0.0	0.0	17.5°	707.7	719.7	726.6	737.9	739.9	726.2
0.0	0.0	0.0	0.0	0.0	0.0	20°	673.0	689.9	711.3	742.3	775.0	789.1
0.0	0.0	0.0	0.0	0.0	0.0	22.5°	653.7	674.6	708.9	765.3	824.9	860.8
0.0	0.0	0.0	0.0	0.0	0.0	25°	650.0	677.8	725.8	794.7	872.1	922.5
0.0	0.0	0.0	0.0	0.0	0.0	27.5°	656.1	692.3	749.2	827.7	903.9	976.9
0.0	0.0	0.0	0.0	0.0	0.0	30°	675.4	717.7	779.8	864.4	943.4	1015.9
0.0	0.0	0.0	0.0	0.0	0.0	32.5°	694.0	746.3	814.9	897.5	976.9	1049.0
0.0	0.0	0.0	0.0	0.0	0.0	35°	723.8	776.6	846.7	922.9	999.8	1081.6
0.0	0.0	0.0	0.0	0.0	0.0	37.5°	769.3	815.7	871.7	942.6	1022.8	1107.4
0.0	0.0	0.0	0.0	0.0	0.0	40°	834.2	864.8	901.1	957.1	1034.1	1124.8
0.0	0.0	0.0	0.0	0.0	0.0	42.5°	931.3	937.8	950.3	979.3	1044.2	1144.9
0.0	0.0	0.0	0.0	0.0	0.0	45°	1056.6	1037.3	1026.4	1022.4	1066.7	1157.8
0.0	0.0	0.0	0.0	0.0	0.0	47.5°	1202.1	1164.2	1120.7	1099.8	1110.2	1178.4
0.0	0.0	0.0	0.0	0.0	0.0	50°	1391.5	1329.9	1244.4	1184.0	1178.8	1238.8
0.0	0.0	0.0	0.0	0.0	0.0	52.5°	1565.2	1484.6	1377.0	1305.7	1276.7	1351.6
0.0	0.0	0.0	0.0	0.0	0.0	55°	1729.2	1667.2	1545.5	1456.8	1446.7	1501.1
0.0	0.0	0.0	0.0	0.0	0.0	57.5°	1873.1	1819.5	1720.0	1604.3	1608.3	1661.1
0.0	0.0	0.0	0.0	0.0	0.0	59°	1947.7	1902.9	1810.6	1693.0	1701.8	1774.4
0.0	0.0	0.0	0.0	0.0	0.0	60°	1974.3	1936.8	1848.9	1749.8	1761.1	1836.4
0.0	0.0	0.0	0.0	0.0	0.0	62.5°	1972.2	1948.1	1884.4	1837.6	1895.3	1950.5
0.0	0.0	0.0	0.0	0.0	0.0	65°	1784.1	1747.4	1740.1	1821.9	1933.2	1986.4
0.0	0.0	0.0	0.0	0.0	0.0	67.5°	1418.9	1436.3	1505.2	1645.8	1832.4	1909.8
						70°	1053.8	1084.5	1176.3	1352.8	1609.2	1742.9
						72.5°	775.0	805.6	890.2	1083.6	1323.8	1442.3
						75°	608.1	617.4	678.2	830.2	1043.3	1140.5
						77.5°	561.8	534.0	509.0	590.4	703.6	787.0
						80°	523.1	470.3	411.5	436.0	463.4	552.1
						82.5°	406.2	371.2	325.2	356.6	369.5	372.4
						85°	237.8	211.6	268.0	379.6	375.6	328.8
						87.5°	83.8	108.8	122.5	210.4	254.3	220.0
						90°	0.0	1.2	3.6	4.0	6.0	2.0
						92.5°	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
						97.5°	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
						102.5°	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
						107.5°	0.0	0.0	0.0	0.0	0.0	0.0



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

CANDELA DISTRIBUTION (continued):

355°	359°	360°		325°	330°	335°	340°	345°	350°	355°
791.1	791.1	791.1	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
831.0	819.7	818.9	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
802.4	777.0	768.9	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
734.3	704.8	698.8	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
677.0	644.4	638.7	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
647.6	616.6	609.7	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
658.9	624.6	621.0	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
701.2	664.9	666.6	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
773.7	750.4	744.7	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
868.9	843.5	836.2	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
949.9	937.0	932.1	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1008.3	1014.3	1009.5	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1055.0	1075.2	1072.8	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1103.0	1142.1	1143.7	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1138.5	1207.4	1221.5	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1184.0	1276.3	1290.8	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1218.7	1327.1	1344.8	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1252.5	1369.0	1388.3	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1280.3	1410.5	1430.2	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1311.7	1450.8	1470.1	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1368.2	1514.0	1537.0	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1489.5	1631.3	1664.0	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1664.8	1793.3	1819.1	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1822.7	1903.3	1910.2	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1887.6	1933.6	1931.5	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1935.2	1940.8	1929.5	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1961.0	1907.4	1888.0	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1893.7	1819.1	1793.7	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1699.4	1659.9	1630.9	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1445.5	1345.6	1326.7								
1095.7	964.0	935.8								
765.7	607.7	569.4								
503.3	390.1	375.6								
326.4	259.1	254.7								
227.7	170.1	156.8								
139.8	56.8	54.4								
43.5	26.2	23.4								
1.2	1.6	1.6								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								

