

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: P271623

Luminaire Tested: **IST-AF-350-LED-E1-SL3-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271623
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35946)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: IST-AF-350-LED-E1-SL3-7027
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-TYPE III W/SPILL CONTROL
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2054.8 lumens
Efficiency: N/A
Efficacy: 102.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B0 - U1 - G1

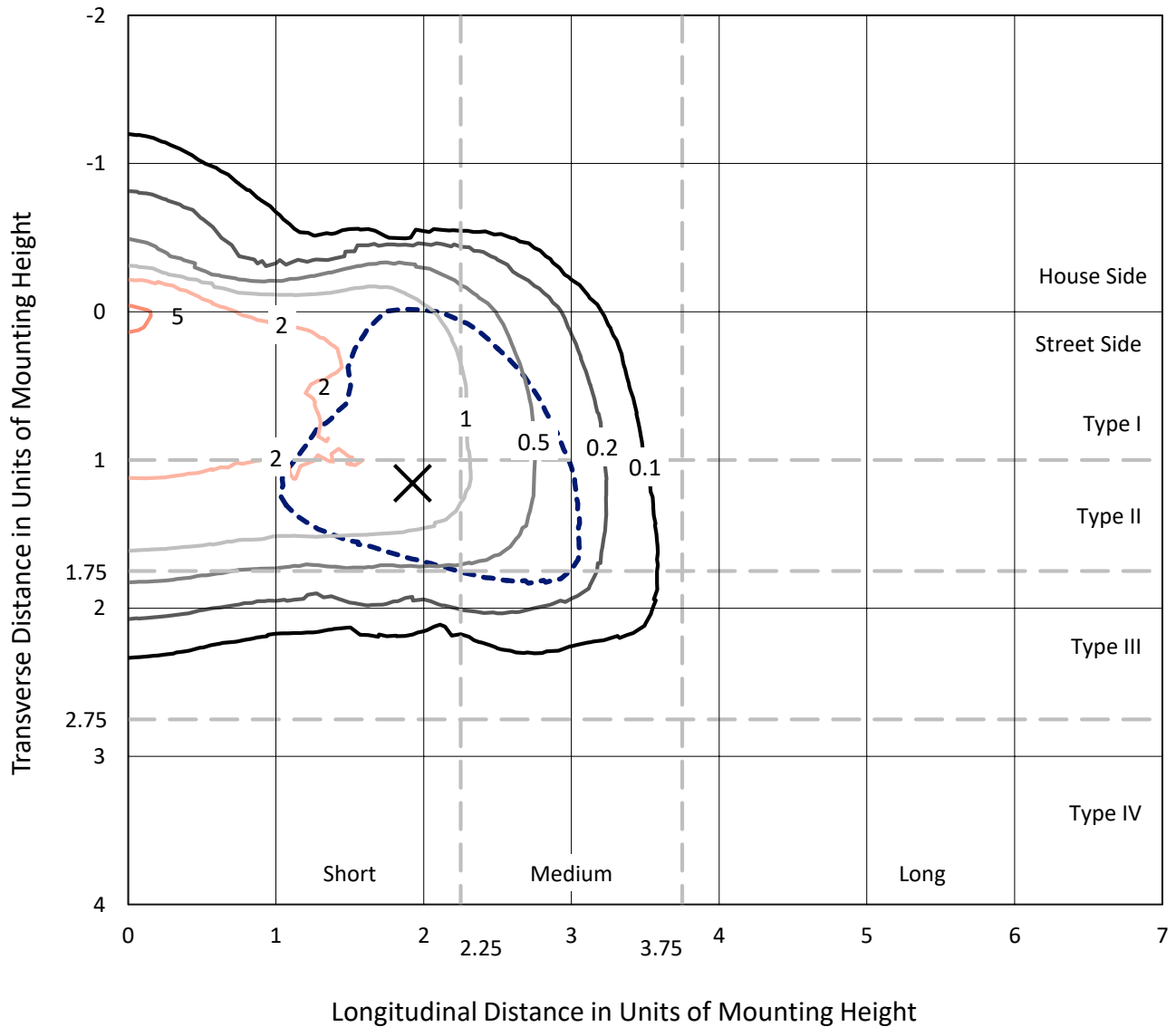
Input Watts (W): 20.09
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

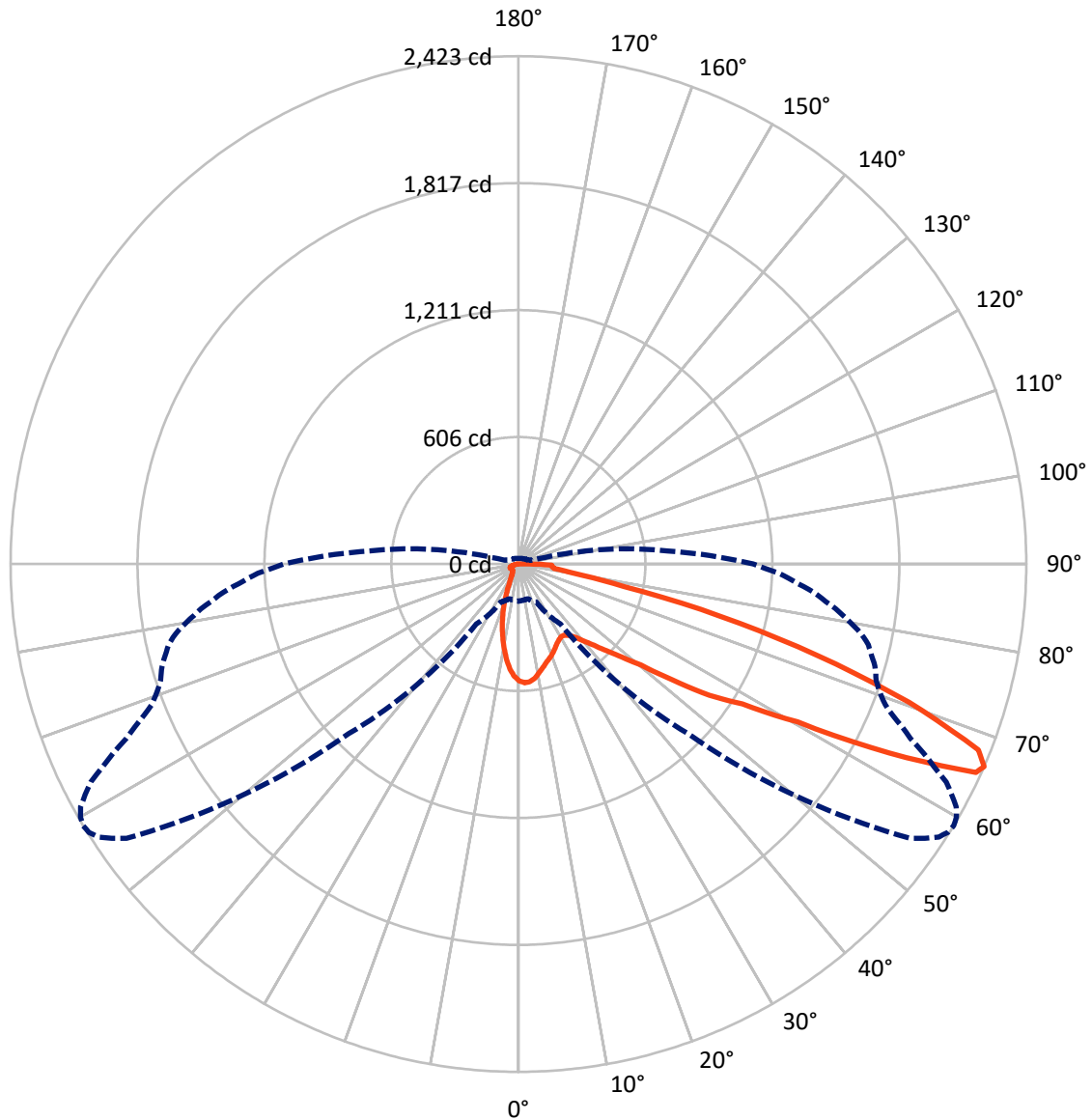
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.6 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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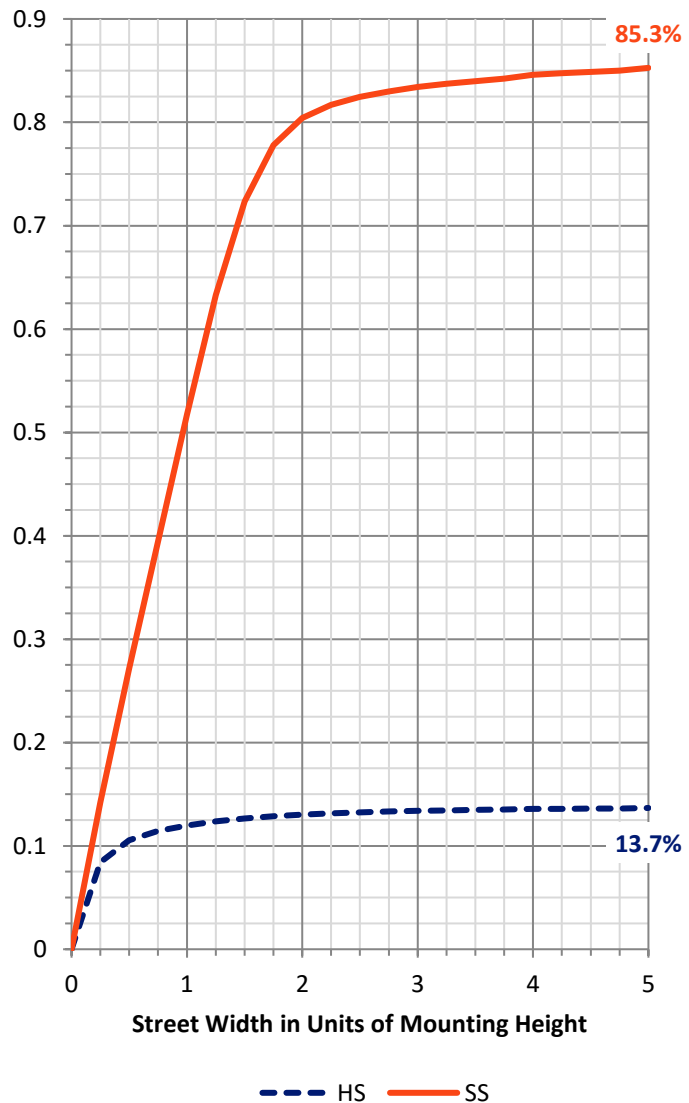
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	285.1	0.1	285.2
	% Fixture	13.9	0.0	13.9
Street Side	Lumens	1768.9	0.7	1769.6
	% Fixture	86.1	0.0	86.1
Total	Lumens	2054.0	0.9	2054.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.6	2.3
10°-20°	100.5	4.9
20°-30°	126.1	6.1
30°-40°	172.5	8.4
40°-50°	277.5	13.5
50°-60°	482.2	23.5
60°-70°	585.9	28.5
70°-80°	218.6	10.6
80°-90°	43.0	2.1
90°-100°	0.9	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°	2054.0	100.0
0°-180°	2054.8	100.0

Coefficient of Utilization



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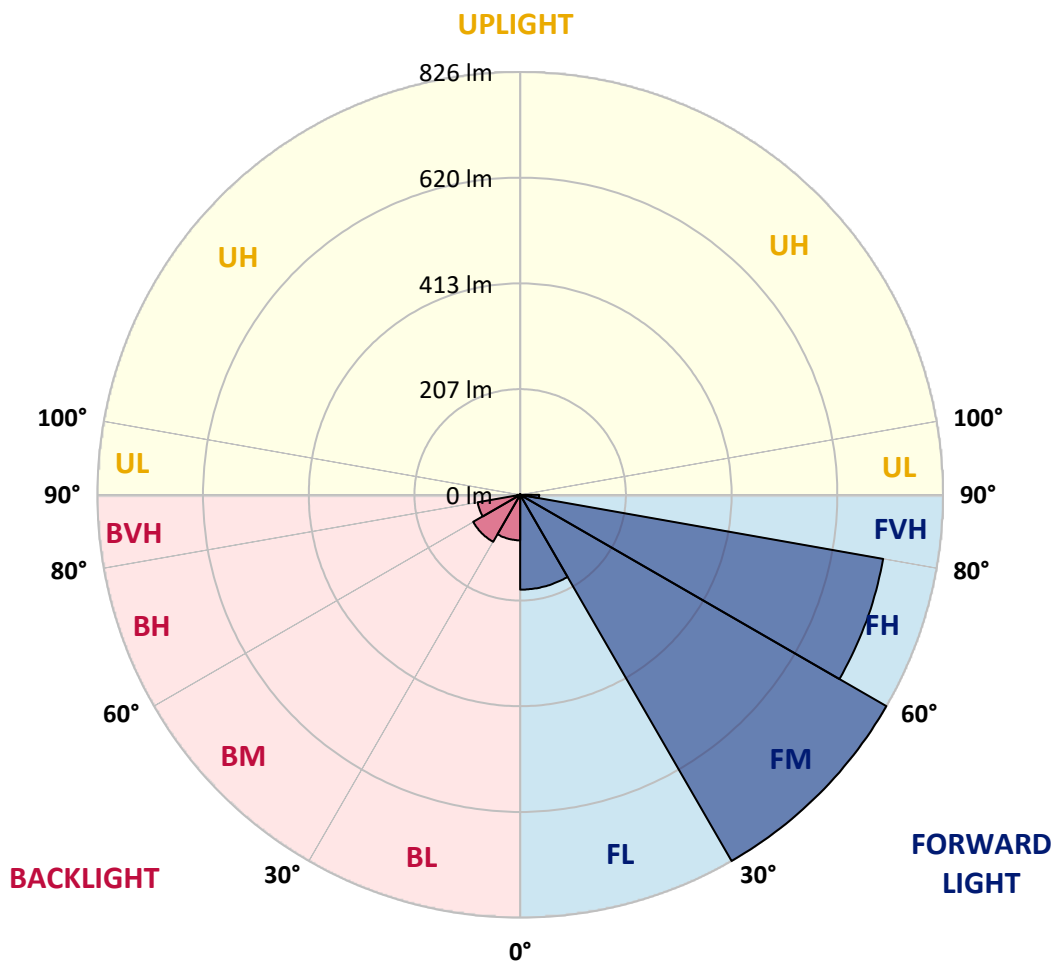
CATALOG NUMBER: IST-AF-350-LED-E1-SL3-7027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	185.3	9.0			
FM (30°-60°)	826.3	40.2			
FH (60°-80°)	720.2	35.0			G1/1800
FVH (80°-90°)	37.1	1.8			G1/100
BL (0°-30°)	88.9	4.3	B0/110		
BM (30°-60°)	106.0	5.2	B0/220		
BH (60°-80°)	84.3	4.1	B0/110		G0/110
BVH (80°-90°)	5.9	0.3			G0/10
UL (90°-100°)	0.9	0.0		U1/10	
UH (100°-180°)	0.1	0.0		U1/10	

BUG Rating: B0-U1-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3
2.5°	572.7	570.9	574.3	573.1	573.9	569.3	568.3	567.4	568.0	567.1	567.1
5°	559.1	558.3	562.2	564.6	566.4	565.8	565.6	565.6	565.8	563.6	563.9
7.5°	519.5	518.8	524.5	528.7	537.7	543.1	550.0	550.3	551.0	550.0	552.0
10°	477.3	479.2	484.2	490.8	504.4	512.6	525.8	528.3	529.2	529.6	529.9
12.5°	436.9	435.0	441.3	453.9	472.1	485.4	502.2	503.4	504.9	507.3	509.4
15°	401.0	403.2	408.3	421.6	440.7	459.3	481.0	482.3	485.4	487.4	490.6
17.5°	376.5	376.5	382.0	394.4	412.4	435.9	463.4	465.6	468.2	470.6	474.1
20°	364.2	364.2	366.4	373.7	389.3	412.1	445.1	447.6	452.0	454.9	459.7
22.5°	363.3	362.9	362.6	364.2	373.7	391.3	425.5	429.1	432.8	437.3	441.3
25°	373.3	374.2	370.6	367.9	368.9	377.1	407.0	408.9	416.2	419.0	424.0
27.5°	387.8	389.3	386.2	382.5	376.7	371.4	391.3	394.4	399.2	403.9	410.2
30°	408.5	408.3	408.0	405.5	394.4	377.7	386.5	388.8	392.9	396.6	402.0
32.5°	431.0	433.5	435.4	434.2	422.8	394.4	393.2	395.1	398.8	401.0	404.5
35°	459.9	461.2	468.5	468.5	457.1	424.4	411.7	413.3	415.2	416.2	418.7
37.5°	491.7	496.1	506.9	513.2	495.5	461.5	441.1	441.1	442.0	442.7	444.2
40°	528.7	534.9	549.8	561.7	550.3	507.8	479.4	482.3	481.4	480.1	483.6
42.5°	571.5	578.4	596.4	607.7	601.1	563.6	531.2	529.2	532.1	528.3	529.6
45°	621.3	626.6	644.8	656.8	662.2	632.0	598.9	595.0	595.0	587.0	590.4
47.5°	665.9	667.5	685.1	706.2	723.7	724.2	677.6	675.2	669.1	663.8	662.5
50°	707.5	712.3	723.7	746.6	782.9	814.3	785.9	778.1	771.6	751.6	757.6
52.5°	779.7	788.8	796.1	809.9	852.9	916.7	951.8	939.4	937.8	920.0	915.8
55°	793.2	794.2	818.2	898.1	998.9	1045.0	1112.0	1111.7	1116.9	1111.1	1105.7
57.5°	729.6	722.1	762.0	867.7	1070.2	1306.5	1285.9	1288.2	1281.5	1264.3	1258.9
60°	568.3	574.6	617.8	752.3	1018.8	1475.3	1610.4	1570.5	1599.2	1554.1	1529.8
62.5°	319.8	312.5	341.9	483.3	835.9	1484.1	2052.4	2056.8	2070.8	2045.5	1986.3
65°	206.3	203.2	200.3	244.5	501.0	1298.2	2296.9	2351.0	2383.6	2396.8	2397.8
66°	177.3	174.8	171.4	200.1	349.0	1143.9	2281.2	2339.2	2390.7	2415.4	2422.5
67.5°	150.8	147.1	146.5	165.6	242.9	887.4	2130.9	2221.9	2267.6	2331.2	2365.9
70°	115.3	113.5	119.0	143.0	186.5	417.7	1698.1	1816.8	1895.5	1945.3	1977.5
72.5°	96.7	96.1	103.9	130.7	176.8	237.0	1188.5	1316.2	1398.4	1446.0	1490.1
75°	75.5	76.3	86.7	124.8	175.8	206.3	690.5	812.2	860.0	935.0	992.4
77.5°	56.8	56.1	64.3	100.8	171.4	209.1	358.9	409.2	461.9	500.0	513.8
80°	39.6	40.3	46.0	69.3	133.6	215.1	223.7	235.4	246.3	258.6	261.1
82.5°	26.5	26.8	34.0	47.6	92.6	205.4	208.9	203.6	195.0	184.3	172.7
85°	16.1	16.7	24.3	32.1	71.9	185.9	216.1	201.8	189.0	174.8	160.7
87.5°	8.2	9.2	14.6	19.0	42.5	91.6	224.9	214.5	196.9	175.2	159.4
90°	2.2	2.2	3.1	4.7	8.5	18.5	56.8	51.0	25.5	48.5	24.0
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



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
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):

	60°	61°	62°	63°	64°	65°	66°	67°	68°	69°	70°
0°	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3
2.5°	566.7	567.4	566.7	565.8	566.7	565.8	565.6	565.1	565.6	564.9	564.6
5°	563.9	564.6	564.6	562.7	562.2	563.6	561.7	562.2	561.7	561.1	559.8
7.5°	550.3	550.8	551.0	549.8	550.8	550.8	550.0	550.0	549.4	549.8	548.4
10°	531.4	532.8	534.0	533.3	533.1	535.9	534.6	535.6	535.6	534.6	534.9
12.5°	511.0	513.2	514.8	514.8	516.1	519.2	518.8	519.5	522.1	522.1	521.1
15°	492.1	494.2	496.9	498.6	501.3	503.4	504.9	507.5	508.8	508.8	510.3
17.5°	477.3	480.4	483.3	484.2	487.7	491.5	492.5	495.5	497.4	498.4	500.3
20°	462.8	466.2	469.7	472.9	476.0	480.4	482.6	484.5	487.7	489.6	492.5
22.5°	445.8	451.1	455.5	459.3	464.6	468.5	472.9	476.0	479.8	482.6	484.8
25°	429.7	436.9	443.0	446.6	453.9	459.3	464.6	469.5	474.1	478.2	481.4
27.5°	414.8	423.1	430.4	436.4	444.2	452.7	458.0	466.0	472.1	477.9	481.7
30°	407.7	414.6	422.1	429.1	436.9	447.6	456.5	466.6	474.5	481.7	487.4
32.5°	409.2	415.6	422.1	428.1	436.4	448.3	457.5	469.1	480.8	490.1	497.4
35°	421.8	427.5	431.9	437.3	444.5	453.6	463.4	475.7	490.1	502.8	512.2
37.5°	448.3	449.9	454.3	458.3	462.2	470.6	479.8	490.1	506.9	520.1	533.3
40°	481.0	485.2	489.3	491.1	495.5	501.0	504.9	516.1	530.8	548.1	562.7
42.5°	529.9	531.4	532.1	532.8	534.3	538.1	544.0	554.2	568.6	584.1	600.2
45°	584.7	586.6	588.5	589.4	587.2	589.4	595.8	600.4	614.6	629.2	649.7
47.5°	660.6	655.0	652.1	655.9	654.0	658.7	661.6	664.4	681.5	698.7	716.1
50°	758.0	754.5	750.1	750.4	753.9	750.7	752.6	763.0	768.7	783.1	806.2
52.5°	913.6	902.9	886.2	878.9	883.0	880.5	881.5	883.7	879.9	893.5	912.9
55°	1105.7	1091.9	1080.9	1074.6	1051.3	1049.4	1033.9	1028.3	1015.9	1028.9	1024.4
57.5°	1242.9	1234.0	1228.3	1209.4	1198.7	1177.3	1171.0	1163.5	1146.3	1155.0	1162.5
60°	1507.4	1475.9	1465.2	1432.2	1421.1	1400.6	1374.5	1361.7	1352.8	1360.9	1355.9
62.5°	1949.1	1905.3	1896.8	1818.3	1799.1	1751.9	1702.7	1696.1	1668.4	1651.1	1647.0
65°	2380.4	2317.6	2270.7	2185.0	2127.1	2059.6	1984.7	1929.9	1873.4	1845.2	1807.7
66°	2412.5	2387.7	2340.4	2290.3	2205.9	2132.1	2047.1	1987.9	1924.5	1874.8	1842.6
67.5°	2357.7	2344.5	2327.8	2293.7	2240.8	2172.1	2091.5	2015.9	1939.7	1881.1	1829.7
70°	1992.9	2007.4	2026.3	2017.4	1987.2	1960.4	1889.2	1847.1	1789.7	1712.8	1681.4
72.5°	1504.3	1543.0	1529.8	1480.0	1456.7	1438.2	1412.2	1383.9	1301.7	1292.2	1255.1
75°	967.7	954.9	963.3	902.9	861.7	844.6	783.1	758.0	696.3	656.2	625.7
77.5°	510.1	484.8	465.3	412.1	374.0	351.6	321.6	286.4	232.2	229.0	179.6
80°	236.6	217.4	199.7	181.2	162.5	138.0	119.7	97.6	86.2	74.0	69.0
82.5°	160.7	148.4	137.7	125.3	111.2	94.2	81.3	69.0	58.9	52.9	48.1
85°	145.5	132.3	120.4	104.9	90.1	76.0	62.1	51.3	42.0	36.5	33.3
87.5°	141.4	125.0	112.5	95.8	81.3	66.7	53.6	41.6	32.5	26.5	22.6
90°	18.0	19.2	13.8	13.3	5.7	7.3	5.4	3.1	3.4	2.5	2.9
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



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CANDELA DISTRIBUTION (continued):

	60°	61°	62°	63°	64°	65°	66°	67°	68°	69°	70°
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: P271623

CATALOG NUMBER: IST-AF-350-LED-E1-SL3-7027

CANDELA DISTRIBUTION (continued):

	71°	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°
0°	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3
2.5°	563.9	563.0	563.9	563.6	562.2	562.7	563.0	561.7	561.1	561.1	560.7
5°	558.8	558.3	558.8	558.6	556.7	556.3	556.3	555.4	554.2	553.2	552.5
7.5°	546.9	547.6	547.2	546.3	545.3	545.3	544.4	542.1	540.9	539.6	538.4
10°	533.3	533.3	533.6	533.3	531.8	531.2	529.9	528.7	528.9	525.8	523.3
12.5°	521.4	521.4	521.1	520.5	519.5	519.2	519.2	515.4	514.5	513.5	510.7
15°	510.1	510.7	510.7	510.7	509.1	509.1	507.5	504.9	504.9	502.2	499.3
17.5°	501.3	502.2	501.8	502.2	502.5	500.5	497.8	496.1	494.2	492.7	488.9
20°	493.7	494.2	494.6	494.6	493.7	492.5	489.8	487.4	486.2	483.0	478.2
22.5°	486.7	488.0	488.3	488.3	487.0	486.2	483.6	479.8	477.3	473.5	469.1
25°	483.8	485.4	484.5	485.2	483.8	481.7	478.2	475.0	471.3	466.6	461.9
27.5°	484.8	487.0	486.4	486.2	484.5	483.0	478.5	474.8	470.4	464.6	458.7
30°	490.6	494.2	492.7	491.5	491.1	487.4	483.3	477.9	472.9	466.2	459.3
32.5°	501.3	503.1	503.4	502.5	501.0	497.8	492.1	485.2	479.4	471.6	463.4
35°	518.8	520.7	520.1	520.1	518.5	513.5	506.6	499.6	491.7	483.0	474.5
37.5°	543.5	546.9	546.3	545.0	543.1	537.2	531.8	523.3	514.5	502.8	493.0
40°	574.3	579.7	584.3	583.4	579.0	573.7	568.6	558.8	550.0	537.2	526.5
42.5°	615.9	623.2	629.2	633.6	631.7	624.7	615.9	611.7	599.2	586.0	574.9
45°	669.1	684.3	689.6	695.0	695.0	690.5	688.7	680.5	667.2	649.7	639.2
47.5°	739.3	759.6	765.5	774.7	780.0	775.2	771.8	758.0	749.2	724.9	722.3
50°	824.7	844.9	861.3	872.1	870.5	874.5	866.3	858.5	846.1	826.4	819.4
52.5°	933.8	949.8	964.6	970.9	977.5	976.5	974.8	969.3	953.9	943.2	925.5
55°	1045.5	1058.8	1076.8	1087.2	1095.8	1094.1	1086.9	1073.9	1076.8	1054.4	1044.7
57.5°	1172.8	1187.4	1207.0	1216.7	1220.4	1239.6	1234.9	1233.4	1228.1	1220.1	1210.1
60°	1391.8	1395.9	1412.0	1436.6	1466.8	1460.8	1468.4	1473.4	1477.3	1459.6	1458.3
62.5°	1652.6	1657.7	1671.6	1676.6	1681.0	1681.6	1671.6	1671.6	1654.2	1631.5	1614.0
65°	1795.0	1784.7	1775.2	1769.8	1758.3	1747.8	1732.7	1712.2	1683.0	1647.9	1616.4
66°	1815.6	1794.5	1782.1	1768.7	1750.0	1730.8	1712.8	1684.8	1650.5	1608.9	1567.4
67.5°	1795.7	1766.7	1738.0	1718.2	1692.4	1657.7	1626.2	1593.4	1561.0	1503.9	1465.2
70°	1614.5	1579.8	1548.4	1504.9	1464.0	1429.9	1375.8	1318.7	1271.8	1211.9	1173.8
72.5°	1199.0	1158.1	1117.1	1056.0	996.4	987.7	919.5	852.5	816.6	768.4	729.6
75°	592.3	540.6	467.2	434.4	386.9	363.5	350.6	302.1	290.4	242.9	242.3
77.5°	167.3	143.7	127.6	111.2	104.2	99.3	81.9	78.4	71.1	70.0	65.8
80°	63.3	59.8	58.3	56.8	55.2	54.2	53.6	51.0	49.8	47.9	46.9
82.5°	45.6	44.5	41.6	40.6	39.3	37.5	37.2	35.7	34.7	32.8	32.1
85°	30.9	29.4	27.7	26.1	25.5	25.2	24.3	23.6	23.0	22.1	21.6
87.5°	20.8	19.2	17.3	16.7	16.3	16.7	17.0	16.3	16.1	15.5	15.1
90°	2.5	3.4	3.1	3.1	3.9	3.1	3.1	3.4	3.1	3.1	2.9
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



REPORT NUMBER: P271623
 CATALOG NUMBER: IST-AF-350-LED-E1-SL3-7027

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	71°	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	
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	60°
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66°
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°

'271623
 IST-AF-350-LED-E1-SL3-7027

REPORT NUMBER: P271623
 CATALOG NUMBER: IST-AF-350

TION (continued):

CANDELA DISTRIBUTION (con

83°	84°	85°	86°	87°	88°	89°	90°	95°	105°		115°	125°
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0°	558.3	558.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	540.0	534.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	511.2	500.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	472.6	450.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	428.1	396.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	382.0	341.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	339.3	285.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	294.3	227.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	251.1	172.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	202.3	120.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	148.4	87.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	105.8	70.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	79.1	58.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	63.3	51.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	53.9	46.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	48.1	43.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	45.1	41.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	43.2	40.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	42.2	39.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	41.6	37.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	41.0	37.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	41.2	38.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	42.8	38.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	45.4	38.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	47.3	39.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	47.9	40.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	47.3	41.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66°	46.6	41.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	45.6	40.3
										70°	43.5	37.8
										72.5°	39.1	34.0
										75°	33.3	27.4
										77.5°	27.1	22.1
										80°	20.1	16.7
										82.5°	14.8	12.9
										85°	10.4	9.2
										87.5°	6.3	5.7
										90°	1.5	1.5
										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: P271623

CATALOG NUMBER: IST-AF-350-LED-E1-S

0-LED-E1-SL3-7027

tinued):

135°	145°	155°	165°	175°	180°
558.3	558.3	558.3	558.3	558.3	558.3
531.4	531.2	523.3	521.6	516.3	519.2
486.4	481.0	466.8	464.1	458.0	456.5
432.5	417.7	406.4	393.7	381.8	387.8
369.6	344.6	319.8	303.4	296.8	294.6
309.6	264.9	233.8	201.6	190.4	194.3
237.2	186.2	144.5	126.0	115.3	113.5
167.3	119.5	100.3	95.5	93.2	93.2
113.5	91.1	83.8	81.6	81.6	81.9
86.2	76.5	73.4	73.8	75.0	75.3
71.5	67.7	66.1	68.5	70.9	71.1
61.7	60.7	61.2	64.0	66.5	66.7
54.2	55.2	56.4	58.9	61.2	61.7
48.9	50.5	51.3	52.9	54.2	54.4
45.1	46.9	46.6	47.6	48.5	48.9
42.8	43.7	42.8	43.5	43.5	44.1
41.0	41.2	39.6	40.1	40.6	40.6
39.1	38.8	37.2	37.8	38.8	39.1
37.2	36.5	35.2	36.5	38.1	38.4
35.7	34.9	34.3	35.9	37.8	38.1
34.9	34.3	33.7	35.9	37.8	38.1
34.9	34.3	33.7	35.2	37.2	37.5
35.2	34.7	33.3	34.9	36.2	36.5
35.7	34.9	32.8	33.7	34.3	34.7
35.7	34.3	32.1	32.5	32.5	32.8
34.9	33.3	30.9	30.9	30.5	30.5
34.9	32.1	29.6	28.9	28.4	28.4
34.7	31.8	29.4	28.4	27.4	27.4
34.0	31.2	28.7	27.4	26.5	26.5
31.8	29.9	27.1	25.8	25.0	24.5
28.4	27.4	25.2	24.3	23.4	23.0
24.0	24.3	23.0	22.4	21.4	21.1
20.1	20.8	20.1	19.9	19.2	19.0
16.1	17.3	16.7	16.7	17.0	16.3
12.3	13.8	13.3	13.8	14.6	13.6
8.5	10.2	10.2	10.4	10.7	10.2
5.4	6.6	6.3	6.6	6.6	6.3
1.3	2.2	1.3	1.9	1.5	1.3
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0

CANDELA DISTRIBUTION (continued):

	115°	125°	135°
110°	0.0	0.0	0.0
112.5°	0.0	0.0	0.0
115°	0.0	0.0	0.0
117.5°	0.0	0.0	0.0
120°	0.0	0.0	0.0
122.5°	0.0	0.0	0.0
125°	0.0	0.0	0.0
127.5°	0.0	0.0	0.0
130°	0.0	0.0	0.0
132.5°	0.0	0.0	0.0
135°	0.0	0.0	0.0
137.5°	0.0	0.0	0.0
140°	0.0	0.0	0.0
142.5°	0.0	0.0	0.0
145°	0.0	0.0	0.0
147.5°	0.0	0.0	0.0
150°	0.0	0.0	0.0
152.5°	0.0	0.0	0.0
155°	0.0	0.0	0.0
157.5°	0.0	0.0	0.0
160°	0.0	0.0	0.0
162.5°	0.0	0.0	0.0
165°	0.0	0.0	0.0
167.5°	0.0	0.0	0.0
170°	0.0	0.0	0.0
172.5°	0.0	0.0	0.0
175°	0.0	0.0	0.0
177.5°	0.0	0.0	0.0
180°	0.0	0.0	0.0

