

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: P226874

Luminaire Tested: **IST-AF-350-LED-E1-SL2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P226874
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35945)
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-SL2
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-TYPE II W/SPILL CONTROL
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2468.7 lumens
Efficiency: N/A
Efficacy: 122.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B1 - 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

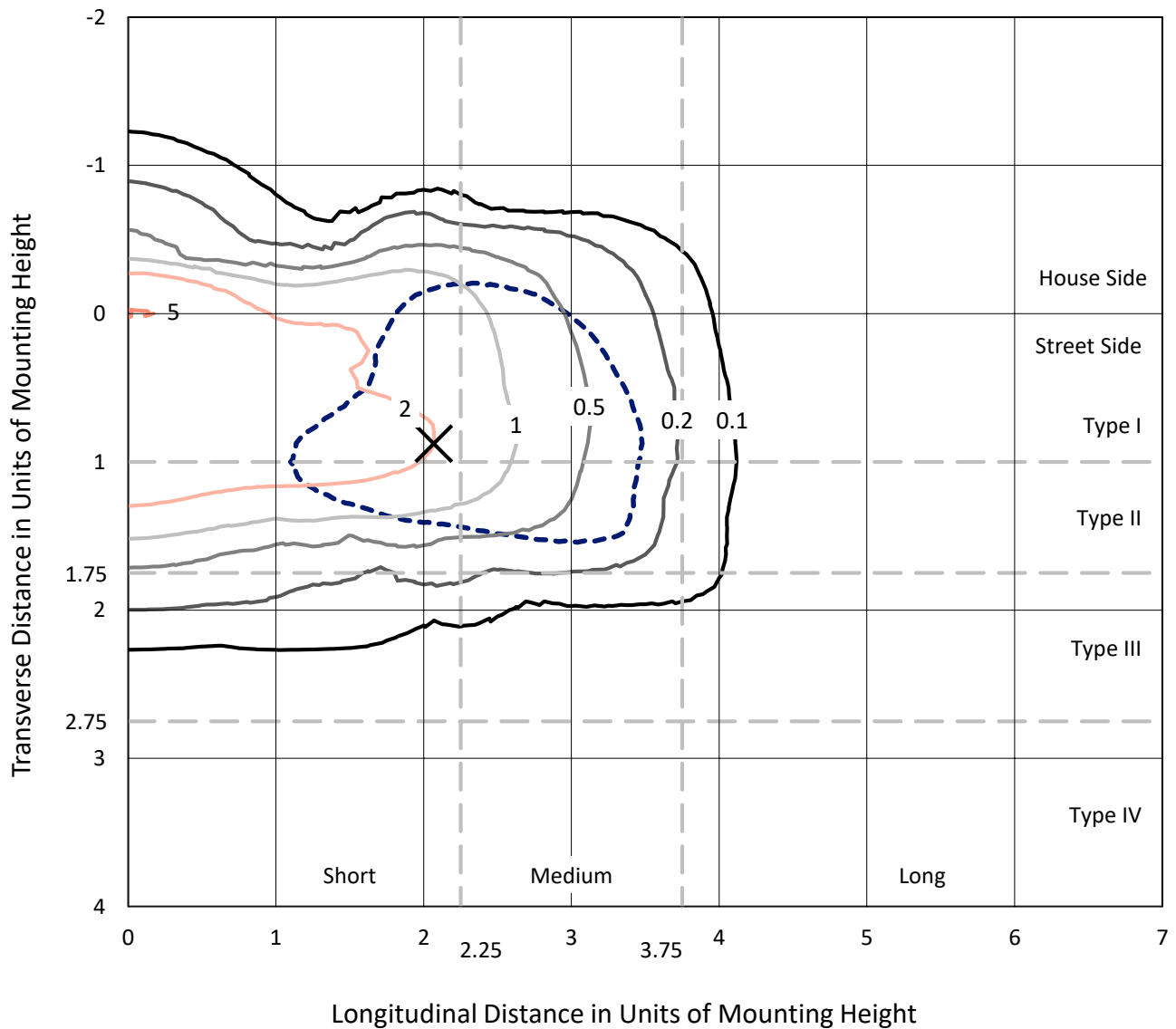


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

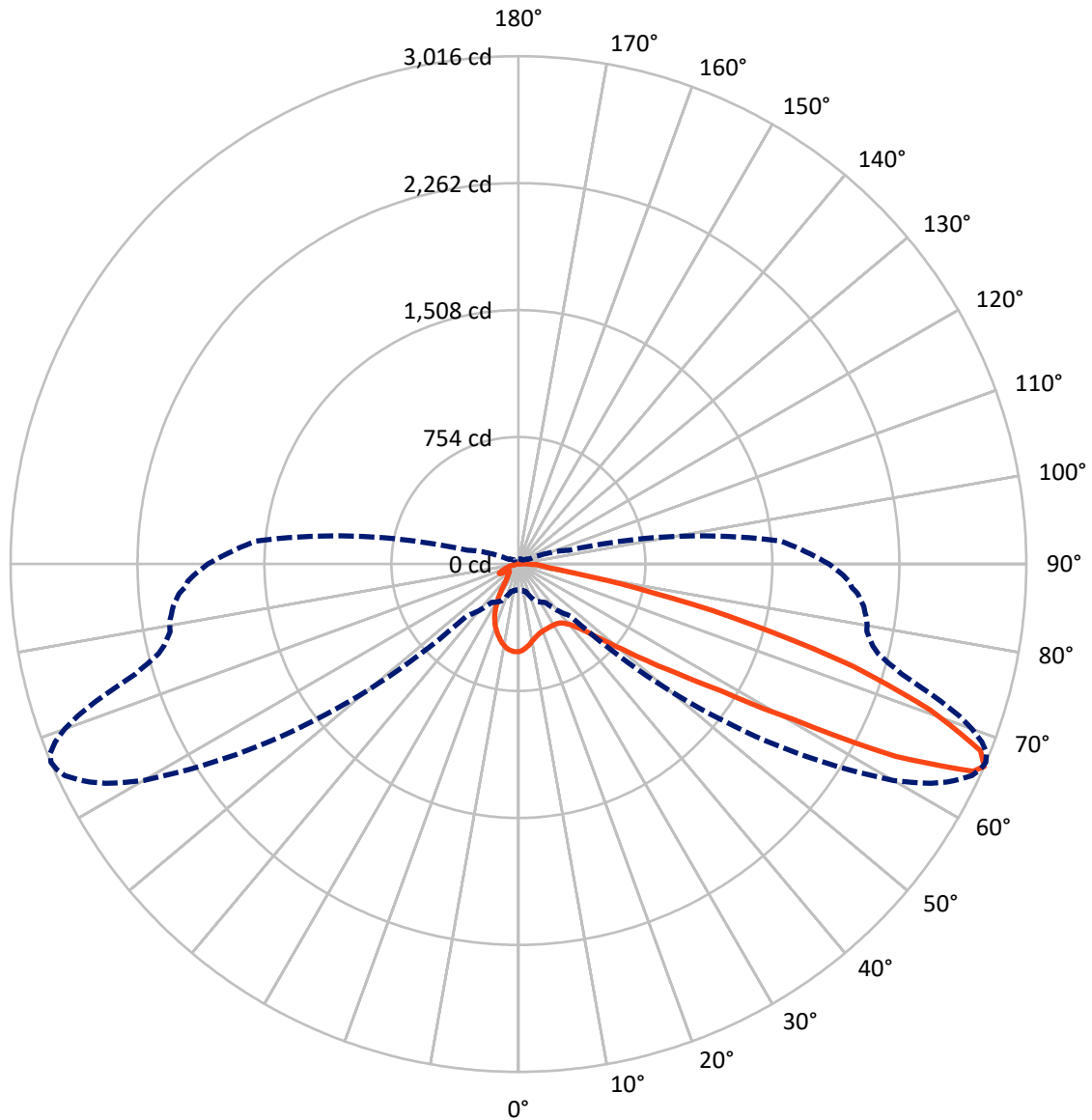


Based on 10 foot mounting height. Maximum calculated value = 5.2 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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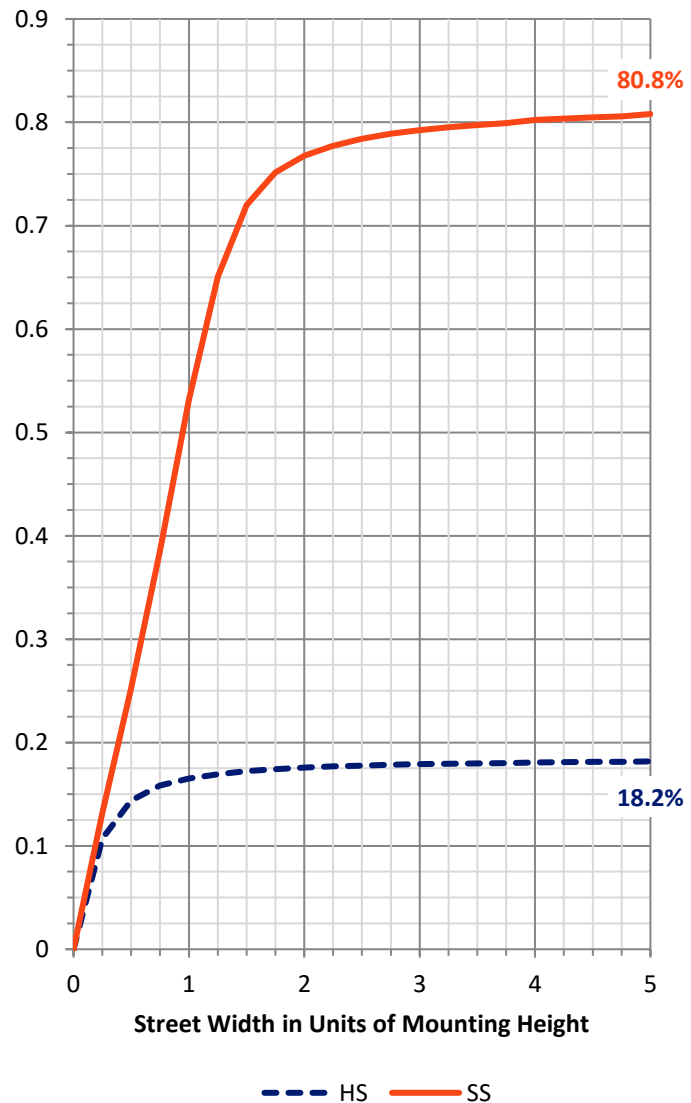
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	455.8	0.2	456.0
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	2012.0	0.7	2012.7
	% Fixture	81.5	0.0	81.5
Total	Lumens	2467.8	0.9	2468.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.1	1.8
10°-20°	107.3	4.3
20°-30°	147.1	6.0
30°-40°	210.1	8.5
40°-50°	340.7	13.8
50°-60°	539.8	21.9
60°-70°	684.0	27.7
70°-80°	340.0	13.8
80°-90°	53.9	2.2
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°	2467.8	100.0
0°-180°	2468.7	100.0



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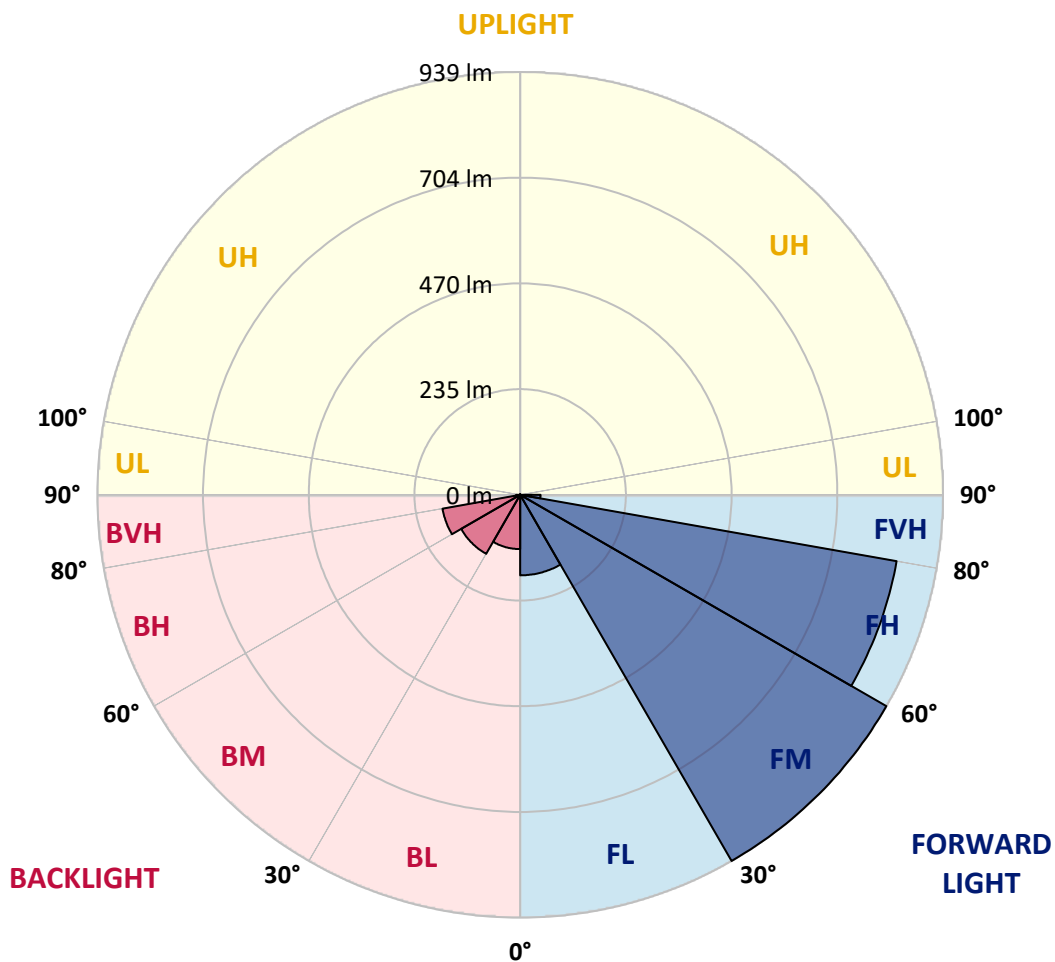
CATALOG NUMBER: IST-AF-350-LED-E1-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	178.9	7.2			
FM	(30°-60°)	939.1	38.0			
FH	(60°-80°)	848.9	34.4			G1/1800
FVH	(80°-90°)	45.2	1.8			G1/100
BL	(0°-30°)	120.5	4.9	B1/500		
BM	(30°-60°)	151.4	6.1	B0/220		
BH	(60°-80°)	175.2	7.1	B1/500		G1/500
BVH	(80°-90°)	8.7	0.4			G0/10
UL	(90°-100°)	0.9	0.0		U1/10	
UH	(100°-180°)	0.2	0.0		U1/10	

BUG Rating: B1-U1-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	63°
0°	519.7	519.7	519.7	519.7	519.7	519.7	519.7	519.7	519.7	519.7	519.7
2.5°	482.9	484.1	490.3	493.7	498.5	500.0	505.5	507.8	509.6	509.2	509.2
5°	439.6	442.8	445.8	452.6	459.5	468.1	478.8	487.0	488.5	490.3	491.4
7.5°	406.5	408.8	413.9	418.8	427.7	439.6	454.7	465.1	467.4	468.1	470.7
10°	383.1	384.6	389.0	395.4	405.8	417.3	433.2	444.0	447.3	448.8	451.0
12.5°	365.0	367.2	371.2	378.0	389.0	401.0	417.7	428.4	430.7	432.5	435.8
15°	353.4	355.0	358.6	366.1	376.1	388.0	404.3	417.3	418.8	420.6	423.6
17.5°	351.3	352.4	354.6	360.2	368.0	379.4	396.1	406.9	409.5	412.0	415.0
20°	360.2	360.9	361.6	362.3	366.8	374.2	390.6	402.0	404.3	406.5	410.2
22.5°	379.4	380.5	378.7	376.1	372.8	374.2	388.0	399.9	401.3	403.6	406.5
25°	412.9	411.7	406.1	402.0	390.2	380.5	388.7	398.7	400.6	402.8	406.1
27.5°	452.1	450.6	447.3	436.2	416.5	396.9	393.1	400.6	401.7	403.6	406.5
30°	494.4	494.8	491.8	479.6	454.4	421.4	403.1	405.0	405.8	407.2	409.1
32.5°	532.7	538.2	537.8	537.0	501.0	454.4	422.5	415.0	413.9	415.0	415.8
35°	576.7	577.9	588.3	593.4	564.2	502.6	450.6	434.3	429.8	430.3	429.5
37.5°	624.2	625.7	643.5	652.4	629.8	557.5	488.2	462.9	458.8	454.7	451.7
40°	693.3	699.2	708.4	718.4	707.3	631.3	537.5	503.3	493.0	492.1	486.2
42.5°	796.4	794.5	790.0	798.2	784.8	714.0	597.2	560.5	552.6	542.3	534.1
45°	897.6	901.6	882.4	886.1	886.8	809.7	683.5	632.0	628.0	615.7	606.8
47.5°	965.9	961.4	935.4	954.3	1000.7	921.4	783.7	729.6	721.1	714.7	709.2
50°	969.6	965.9	949.2	982.5	1081.6	1119.7	923.2	860.1	847.9	836.8	833.4
52.5°	879.0	873.8	879.4	947.3	1110.8	1286.0	1120.1	1022.2	1012.2	1002.9	989.9
55°	717.7	723.6	749.9	847.5	1066.0	1403.9	1507.7	1272.6	1229.6	1229.2	1197.3
57.5°	535.9	530.0	549.6	641.3	952.5	1445.7	1863.8	1805.6	1709.5	1644.6	1566.3
60°	361.6	363.1	381.3	428.4	662.8	1400.2	2102.3	2305.2	2271.5	2257.7	2236.6
62.5°	250.7	253.0	269.6	313.7	387.6	1126.5	2172.0	2585.2	2645.7	2695.8	2683.5
65°	175.4	175.8	192.5	260.8	290.4	578.6	2018.1	2622.3	2712.5	2798.5	2875.6
66°	154.7	155.1	168.8	242.5	278.5	436.6	1884.6	2570.8	2673.5	2773.6	2853.4
67.5°	132.4	134.6	145.4	206.2	267.1	336.8	1556.7	2416.8	2524.3	2634.5	2739.9
70°	90.8	91.7	101.3	167.3	250.0	295.6	887.2	1886.8	2035.6	2229.1	2341.1
72.5°	65.0	64.1	65.3	103.5	256.7	293.8	466.3	1241.8	1449.8	1619.7	1741.1
75°	57.9	56.1	51.1	64.1	187.3	320.8	312.3	731.1	889.5	1044.1	1168.3
77.5°	51.6	48.6	46.0	49.3	92.7	302.3	280.4	418.8	499.6	615.0	710.6
80°	39.3	37.4	39.0	42.7	55.6	278.1	278.5	278.5	300.4	338.3	376.1
82.5°	26.0	23.7	27.1	35.2	41.9	209.6	287.9	245.9	241.8	240.4	243.0
85°	16.4	14.1	18.9	26.3	32.2	109.5	295.2	259.6	240.7	222.5	204.4
87.5°	5.9	6.6	9.6	15.2	21.2	47.5	258.9	228.8	215.8	193.2	172.1
90°	1.5	1.1	1.8	4.5	4.8	8.9	39.7	63.4	37.8	18.9	15.2
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°	60°	61°	62°	63°
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):

	64°	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°
0°	519.7	519.7	519.7	519.7	519.7	519.7	519.7	519.7	519.7	519.7	519.7
2.5°	509.6	511.5	512.2	511.5	511.9	514.0	513.3	514.4	514.4	515.2	515.2
5°	493.0	494.4	497.4	497.1	500.0	501.0	502.2	503.7	505.5	506.7	508.9
7.5°	473.3	476.3	478.8	480.3	482.2	485.9	487.0	490.3	493.3	496.2	498.5
10°	454.4	458.5	461.5	462.5	466.6	468.4	472.5	475.2	478.8	482.5	485.9
12.5°	438.4	442.1	443.6	447.3	451.0	454.7	456.5	461.5	465.1	469.9	474.3
15°	426.6	430.3	433.2	435.8	439.6	443.2	446.2	451.0	455.5	460.3	464.4
17.5°	419.1	421.4	425.0	427.3	431.7	436.2	439.6	445.1	449.9	454.0	459.5
20°	413.6	416.1	419.5	422.8	426.9	432.5	435.5	441.4	446.6	451.4	456.5
22.5°	410.6	413.2	416.5	419.8	424.3	428.7	433.6	438.7	444.4	449.6	454.7
25°	409.5	411.7	414.7	418.0	422.8	427.7	431.7	437.6	442.5	448.1	454.4
27.5°	409.9	411.3	414.7	417.7	422.5	426.9	431.0	436.9	442.5	447.6	454.0
30°	411.3	412.5	415.8	418.4	422.5	426.9	430.7	436.9	441.7	447.3	454.0
32.5°	416.5	418.0	419.5	421.4	425.0	428.4	432.8	438.4	442.8	448.5	454.0
35°	428.7	427.7	428.7	429.5	432.1	435.5	438.7	443.6	447.6	452.6	458.5
37.5°	448.1	445.8	446.6	446.2	446.2	448.5	451.7	455.1	458.5	463.3	469.2
40°	483.7	478.1	476.6	472.5	471.4	473.3	475.5	475.9	480.0	486.2	488.9
42.5°	529.7	522.2	523.3	516.7	514.9	512.6	515.6	513.7	516.3	520.4	525.9
45°	602.3	595.3	587.9	577.1	579.4	571.2	569.0	569.7	569.4	570.8	577.5
47.5°	689.2	679.9	675.0	671.0	663.2	658.4	652.0	642.8	645.0	647.9	653.9
50°	816.0	813.0	803.7	790.4	788.6	781.5	779.6	771.5	768.5	768.1	767.7
52.5°	985.5	966.2	962.5	949.9	940.2	933.5	931.3	919.8	908.4	915.0	914.3
55°	1192.0	1176.2	1155.7	1144.6	1136.8	1120.8	1116.8	1102.3	1095.7	1091.9	1082.7
57.5°	1539.2	1483.3	1441.3	1420.6	1391.2	1361.5	1351.2	1321.6	1298.5	1282.3	1283.3
60°	2144.6	2044.8	1927.2	1874.6	1752.5	1734.7	1650.9	1630.5	1580.0	1546.7	1527.4
62.5°	2675.0	2647.9	2591.5	2514.7	2392.4	2251.4	2188.0	2061.9	1963.2	1920.2	1860.4
65°	2928.3	2966.5	2982.1	2967.6	2918.7	2832.6	2757.0	2633.8	2468.4	2374.9	2258.8
66°	2915.3	2972.1	3000.6	3015.5	2997.7	2946.8	2867.4	2766.2	2638.3	2495.8	2365.7
67.5°	2820.4	2875.6	2915.3	2960.5	2960.5	2944.6	2912.3	2844.8	2754.3	2630.1	2513.3
70°	2432.4	2507.4	2577.4	2591.1	2629.7	2617.8	2643.4	2600.4	2578.9	2527.0	2464.3
72.5°	1894.9	1957.6	2017.8	2077.8	2067.8	2054.8	2052.2	2061.1	2017.4	2032.9	2016.6
75°	1260.4	1368.3	1429.9	1423.9	1427.9	1431.3	1403.9	1342.7	1390.2	1330.0	1350.1
77.5°	765.9	816.0	832.7	814.2	790.0	758.8	708.8	679.5	637.6	640.9	613.2
80°	401.7	408.0	394.7	357.2	336.8	318.2	261.2	235.5	211.8	202.9	182.9
82.5°	230.4	215.1	198.8	186.2	162.0	145.8	123.5	109.5	94.2	80.8	76.0
85°	186.6	166.1	151.0	136.9	120.5	106.1	87.6	73.0	62.0	53.8	52.0
87.5°	154.0	139.8	124.3	110.9	94.9	80.1	62.0	48.2	38.2	30.8	28.5
90°	13.7	18.5	13.4	7.5	11.2	5.9	3.4	3.7	3.0	3.0	3.4
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):

	64°	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°
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: P226874

CATALOG NUMBER: IST-AF-350-LED-E1-SL2

CANDELA DISTRIBUTION (continued):

	75°	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°
0°	519.7	519.7	519.7	519.7	519.7	519.7	519.7	519.7	519.7	519.7	519.7
2.5°	516.3	516.3	517.0	517.8	518.1	518.1	518.1	518.9	519.2	518.1	519.2
5°	510.0	511.9	513.3	514.4	514.9	516.0	517.0	517.8	518.9	518.9	519.7
7.5°	501.5	504.8	506.7	508.5	510.4	512.2	514.4	516.0	516.7	518.1	519.2
10°	490.7	494.8	498.5	501.5	504.1	507.8	510.8	513.0	516.3	516.7	519.2
12.5°	479.3	485.2	488.2	493.7	497.4	503.0	506.0	509.2	513.0	514.9	517.8
15°	471.1	476.3	481.8	487.0	493.0	499.6	503.3	507.8	513.0	517.0	520.8
17.5°	464.7	471.8	478.1	484.8	492.1	499.2	504.8	509.6	516.3	518.5	522.2
20°	462.9	470.7	477.0	484.1	491.8	501.0	507.8	513.0	519.7	523.3	526.7
22.5°	462.2	469.5	477.0	485.5	494.1	503.7	510.8	517.4	524.1	527.4	530.0
25°	461.5	469.2	477.3	487.0	496.2	506.3	514.4	520.8	527.0	530.4	532.7
27.5°	461.5	469.5	478.4	488.2	498.1	509.2	517.0	522.9	528.6	531.5	532.2
30°	461.0	469.5	478.1	488.9	499.6	511.1	519.7	525.2	530.0	531.8	531.1
32.5°	461.8	470.7	480.0	490.7	501.9	513.0	521.9	528.1	530.8	530.4	530.0
35°	465.4	473.6	484.4	495.1	506.7	517.0	525.6	530.0	532.2	531.5	529.7
37.5°	475.5	483.7	494.4	506.3	515.2	527.0	534.8	538.2	538.6	536.3	531.8
40°	496.2	504.4	514.0	527.0	537.8	545.9	553.4	557.1	554.8	550.8	545.9
42.5°	529.3	539.7	551.2	561.6	574.2	585.3	587.2	589.3	585.6	577.9	571.9
45°	582.4	588.6	603.4	611.2	627.6	633.1	637.2	638.3	630.1	623.9	613.5
47.5°	658.7	671.0	681.4	688.8	700.6	708.1	716.2	712.5	706.2	695.4	681.7
50°	778.9	786.6	800.0	813.3	826.0	831.1	831.1	827.5	823.4	802.6	785.9
52.5°	926.5	927.3	946.5	962.5	973.2	965.5	974.8	965.5	962.9	948.4	934.7
55°	1097.5	1090.5	1113.8	1127.9	1137.5	1146.8	1145.0	1143.9	1134.2	1117.9	1101.2
57.5°	1260.0	1280.3	1291.5	1312.2	1317.0	1323.4	1320.8	1317.0	1311.5	1302.2	1294.9
60°	1494.3	1508.1	1518.2	1522.2	1536.0	1537.8	1547.0	1531.9	1535.6	1524.8	1501.4
62.5°	1813.4	1798.6	1806.3	1806.3	1802.2	1787.8	1795.6	1801.5	1791.5	1782.6	1778.8
65°	2170.5	2122.7	2076.7	2068.9	2047.7	2042.9	2037.0	2022.2	2015.8	2000.3	1987.7
66°	2277.4	2203.1	2159.8	2133.1	2107.5	2102.0	2093.8	2078.2	2065.5	2043.7	2022.6
67.5°	2397.2	2301.4	2236.2	2198.3	2166.8	2146.0	2129.8	2107.5	2087.4	2054.8	2021.0
70°	2389.4	2310.3	2231.8	2174.3	2126.8	2084.2	2058.9	2011.0	1970.2	1923.6	1884.9
72.5°	2007.7	1993.6	1948.0	1915.7	1857.5	1834.9	1768.1	1737.7	1681.3	1620.9	1602.4
75°	1395.7	1340.5	1317.0	1304.1	1278.5	1208.0	1162.1	1172.1	1106.0	1047.1	1013.3
77.5°	610.1	621.2	556.7	527.8	505.5	467.4	431.7	407.2	393.1	383.9	342.0
80°	168.8	147.2	145.4	135.0	132.8	118.4	120.2	109.8	102.7	101.3	97.9
82.5°	73.9	72.3	70.1	68.9	67.9	66.4	64.5	64.1	62.0	60.0	60.5
85°	49.0	48.6	47.5	46.3	44.5	41.9	40.1	38.6	39.0	37.1	36.7
87.5°	28.5	27.8	27.4	26.0	25.6	23.3	23.7	21.9	21.5	21.2	20.0
90°	4.1	4.5	5.5	5.2	3.7	7.1	5.9	5.2	5.5	4.5	4.5
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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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	75°	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	
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°



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 NUMBER: IST-AF-350-LED-E1-SL2

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

86°	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	110°	86°
519.7	519.7	519.7	519.7	519.7	519.7	519.7	519.7	519.7	519.7	519.7	110°	0.0
520.4	521.1	521.5	521.1	521.9	521.5	521.9	521.5	519.7	519.2	518.9	112.5°	0.0
521.1	522.6	522.9	523.3	522.6	523.3	521.9	516.0	509.2	501.9	495.9	115°	0.0
521.9	523.8	524.9	524.9	525.2	524.5	518.9	506.0	490.3	474.8	462.9	117.5°	0.0
521.5	524.1	525.2	525.6	525.6	524.1	510.8	490.0	466.3	442.5	418.4	120°	0.0
520.4	522.6	524.5	524.5	524.9	519.7	498.9	469.2	435.5	399.9	367.5	122.5°	0.0
522.6	524.9	524.9	524.9	524.5	515.6	486.2	443.2	398.0	349.7	301.9	125°	0.0
525.9	527.0	526.3	526.3	524.9	511.5	472.2	417.7	358.3	294.5	227.7	127.5°	0.0
528.9	529.7	529.3	527.4	525.6	507.1	457.7	390.6	310.8	227.7	161.3	130°	0.0
531.8	532.7	530.8	527.8	525.2	501.0	440.3	356.1	257.1	155.8	106.8	132.5°	0.0
532.2	533.0	529.7	525.6	521.9	492.1	419.1	319.4	198.0	100.9	83.5	135°	0.0
531.8	531.1	525.6	520.4	516.3	481.4	395.8	273.7	132.1	76.0	72.7	137.5°	0.0
529.3	525.9	521.5	515.6	509.6	469.5	372.4	222.9	83.5	66.0	66.0	140°	0.0
525.6	522.2	516.7	508.9	502.2	458.1	345.7	171.0	66.8	60.9	61.6	142.5°	0.0
524.1	520.4	512.2	504.1	495.5	447.6	317.5	115.0	60.0	57.5	57.9	145°	0.0
527.0	520.8	512.6	503.3	493.3	438.7	288.2	80.1	56.8	53.8	54.5	147.5°	0.0
537.0	531.1	521.5	509.6	498.9	433.6	257.1	66.4	53.4	50.8	50.8	150°	0.0
561.2	553.4	540.4	526.3	513.3	436.9	229.2	60.5	50.8	48.2	48.2	152.5°	0.0
600.2	590.9	575.6	559.7	542.7	453.3	197.7	58.2	49.0	45.2	44.5	155°	0.0
666.9	654.7	634.6	615.7	595.3	481.4	165.8	56.8	46.7	43.4	41.9	157.5°	0.0
771.8	753.7	730.0	705.1	680.3	533.0	140.6	55.2	45.2	41.9	40.4	160°	0.0
906.8	894.7	864.9	832.3	802.6	635.8	126.1	54.1	44.1	40.1	39.0	162.5°	0.0
1079.0	1059.0	1035.5	1006.3	971.0	768.8	124.6	53.8	43.1	38.6	37.8	165°	0.0
1260.7	1252.9	1213.2	1195.0	1156.9	946.1	151.7	54.5	42.2	37.4	36.3	167.5°	0.0
1468.0	1471.0	1433.9	1413.9	1382.3	1171.0	241.4	56.8	42.2	36.3	35.2	170°	0.0
1739.2	1744.0	1700.2	1676.5	1649.8	1422.8	379.4	60.5	43.4	35.2	34.2	172.5°	0.0
1961.3	1935.4	1907.2	1865.7	1831.9	1563.4	365.3	67.1	44.9	34.2	33.0	175°	0.0
1984.3	1965.8	1930.2	1885.3	1844.2	1564.1	319.0	69.4	45.2	33.8	32.6	177.5°	0.0
1981.4	1948.3	1907.9	1870.1	1829.6	1524.1	246.6	72.3	46.3	33.0	31.9	180°	0.0
1844.2	1797.7	1758.5	1706.2	1663.8	1363.8	151.7	71.9	44.9	30.8	30.1		
1520.7	1497.0	1450.2	1408.3	1364.2	1103.8	103.8	64.1	39.7	27.8	28.2		
983.7	956.6	909.1	885.4	860.5	706.2	80.8	52.3	33.8	24.9	26.0		
328.3	317.5	300.0	309.7	295.2	275.2	59.3	39.7	27.1	21.5	23.0		
98.3	96.1	99.4	93.5	99.0	83.8	39.0	27.8	20.8	18.5	20.4		
58.2	57.5	57.5	57.5	56.1	52.3	25.6	19.3	16.0	15.5	17.1		
35.6	34.9	35.2	34.9	35.6	31.9	17.4	13.4	11.9	11.5	13.7		
20.4	20.4	20.8	20.0	20.4	19.6	12.3	8.5	7.8	7.5	10.0		
4.8	4.8	3.7	3.4	3.7	5.2	3.4	2.6	2.3	1.8	3.4		
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		

'226874
 IST-AF-350-LED-E1-SL2

REPORT NUMBER: P226874
 CATALOG NUMBER: IST-AF-350

TION (continued):

CANDELA DISTRIBUTION (con

87°	88°	89°	90°	95°	105°	115°	125°	135°	145°		155°	165°
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0°	519.7	519.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	516.0	513.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	486.6	479.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	444.4	436.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	396.1	383.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	334.6	310.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	263.3	231.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	181.4	155.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	127.3	117.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	98.3	98.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	81.6	85.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	71.9	75.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	66.0	69.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	62.0	63.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	57.1	57.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	53.0	53.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	49.3	49.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	46.0	45.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	42.7	43.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	40.8	41.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	39.0	39.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	37.4	37.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	36.0	35.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	34.9	34.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	33.8	33.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	33.0	31.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	32.2	31.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66°	31.9	31.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	31.5	30.8
										70°	30.1	29.3
										72.5°	27.8	27.4
										75°	25.6	24.9
										77.5°	22.6	22.3
										80°	19.3	18.9
										82.5°	16.4	15.5
										85°	13.0	12.3
										87.5°	8.9	8.2
										90°	2.3	2.6
										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



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0-LED-E1-SL2

tinued):

175°	180°
519.7	519.7
511.1	514.4
477.3	476.3
429.5	429.8
371.6	372.4
296.8	292.3
212.6	214.4
148.0	147.6
118.7	119.5
101.6	101.6
90.5	90.5
79.8	80.1
72.3	73.0
65.7	66.0
59.0	59.3
53.4	53.4
49.7	50.0
47.1	47.1
44.5	44.5
42.2	43.1
40.1	40.4
37.8	38.2
35.6	35.6
33.8	33.8
32.2	31.9
31.2	30.4
30.1	29.7
29.7	29.3
29.3	28.9
28.5	28.2
27.4	27.1
25.3	24.4
23.0	22.3
21.2	20.0
17.8	17.1
13.0	12.3
7.8	7.8
1.8	1.8
0.0	0.0
0.0	0.0
0.0	0.0
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):

	155°	165°	175°
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

