

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: P227106

Luminaire Tested: **IST-AF-350-LED-E1-SL4-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P227106
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35947)
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-SL4-8030
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-TYPE IV W/SPILL CONTROL
Light Source: (16) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1823.1 lumens
Efficiency: N/A
Efficacy: 90.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - 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

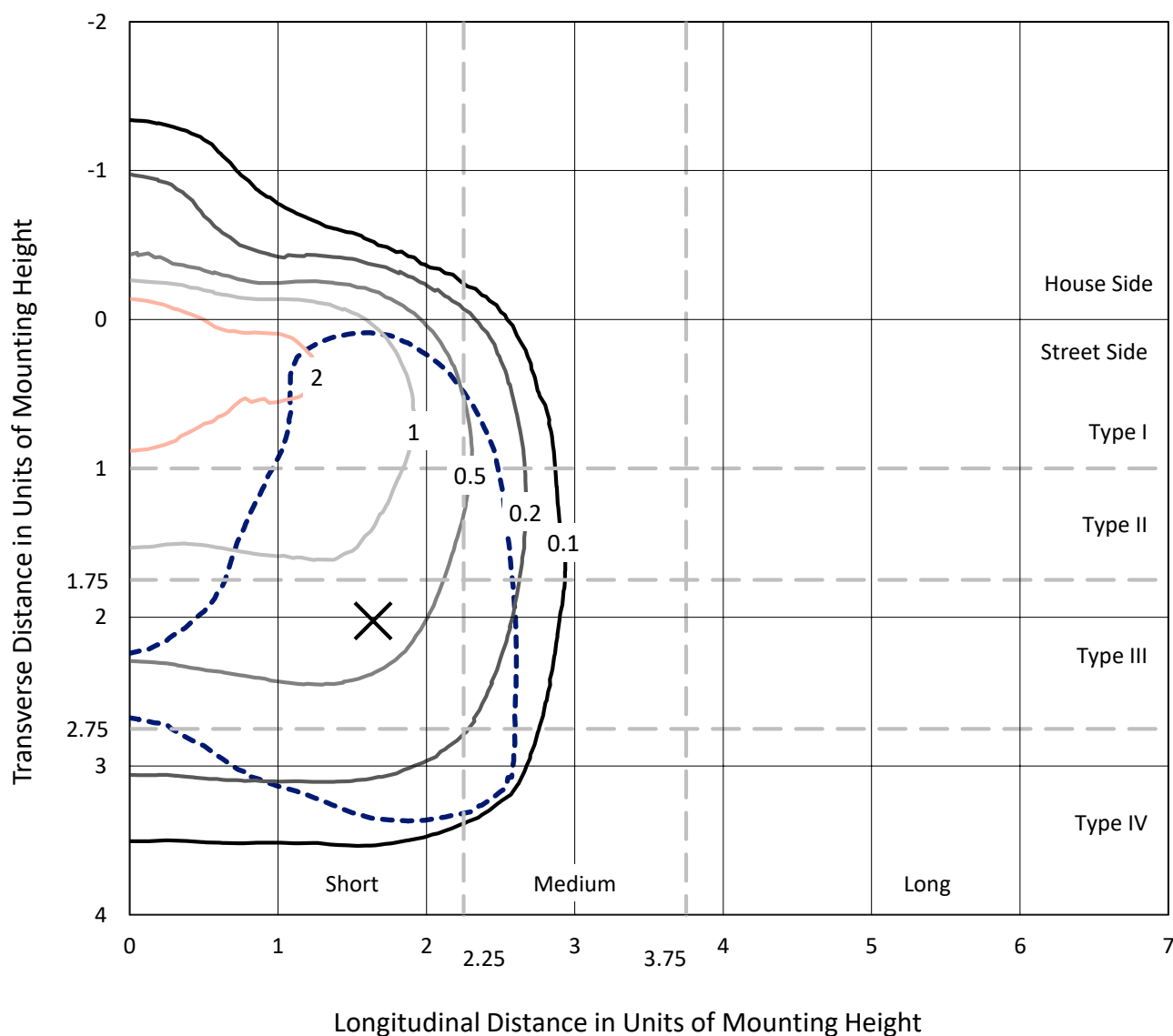


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

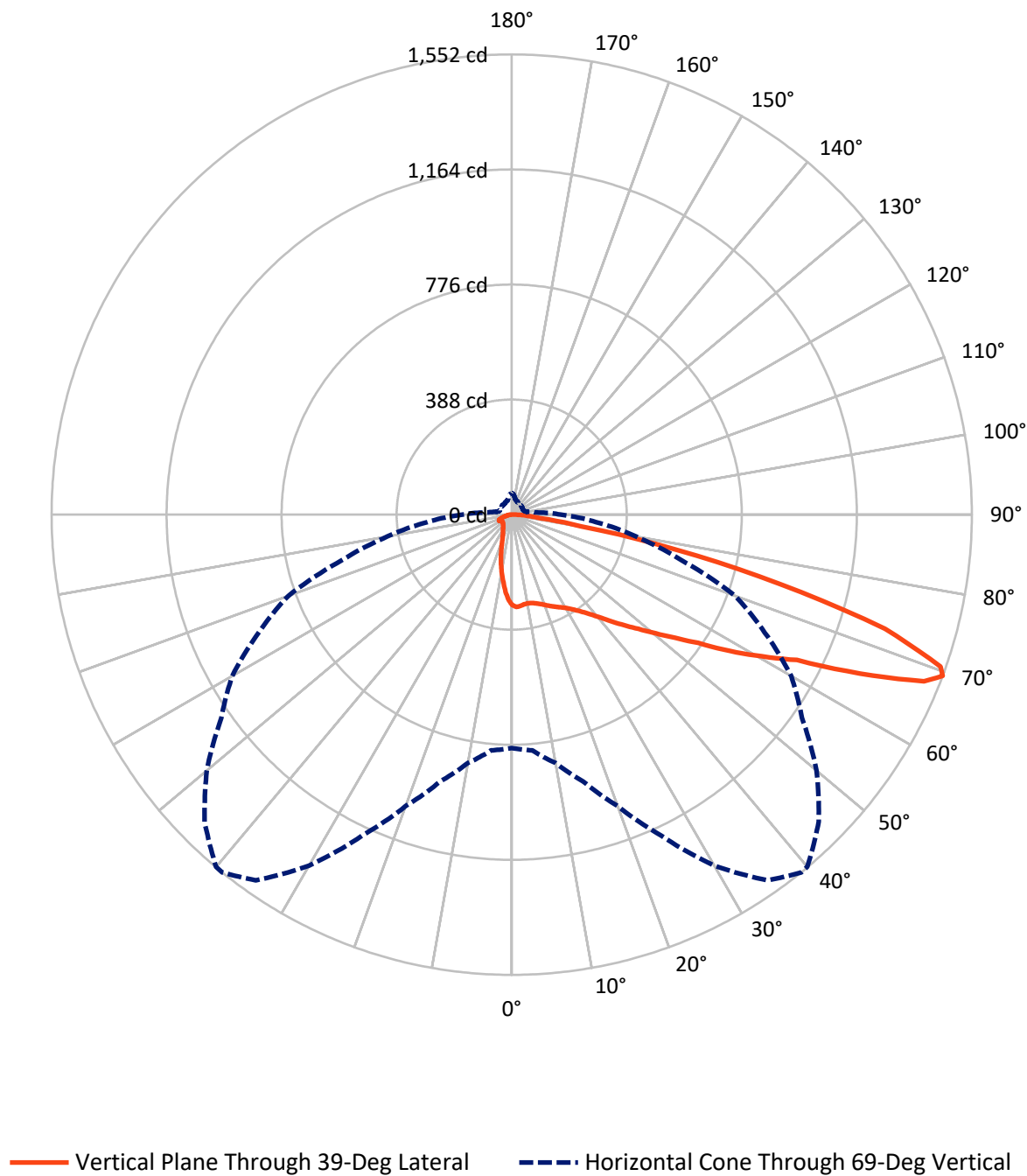


Based on 10 foot mounting height. Maximum calculated value = 3.1 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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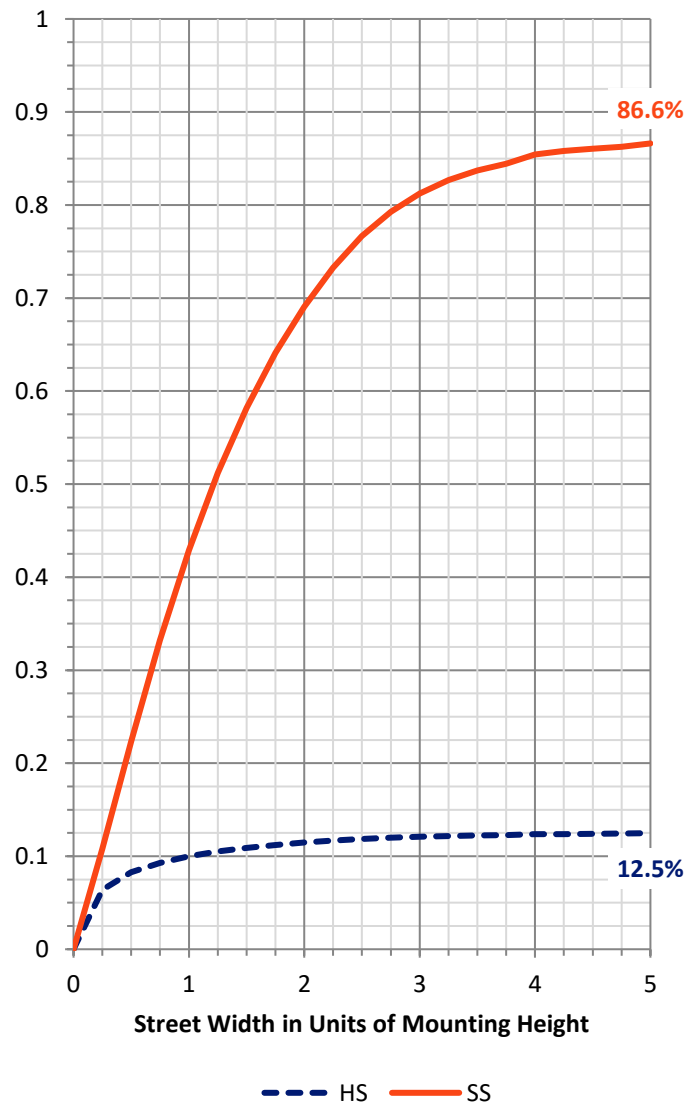
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	230.7	0.1	230.7
	% Fixture	12.7	0.0	12.7
Street Side	Lumens	1591.9	0.5	1592.4
	% Fixture	87.3	0.0	87.3
Total	Lumens	1822.6	0.5	1823.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.4	1.4
10°-20°	66.5	3.6
20°-30°	103.4	5.7
30°-40°	156.3	8.6
40°-50°	250.2	13.7
50°-60°	393.2	21.6
60°-70°	529.5	29.0
70°-80°	262.6	14.4
80°-90°	34.5	1.9
90°-100°	0.5	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°	1822.6	100.0
0°-180°	1823.1	100.0

Coefficient of Utilization



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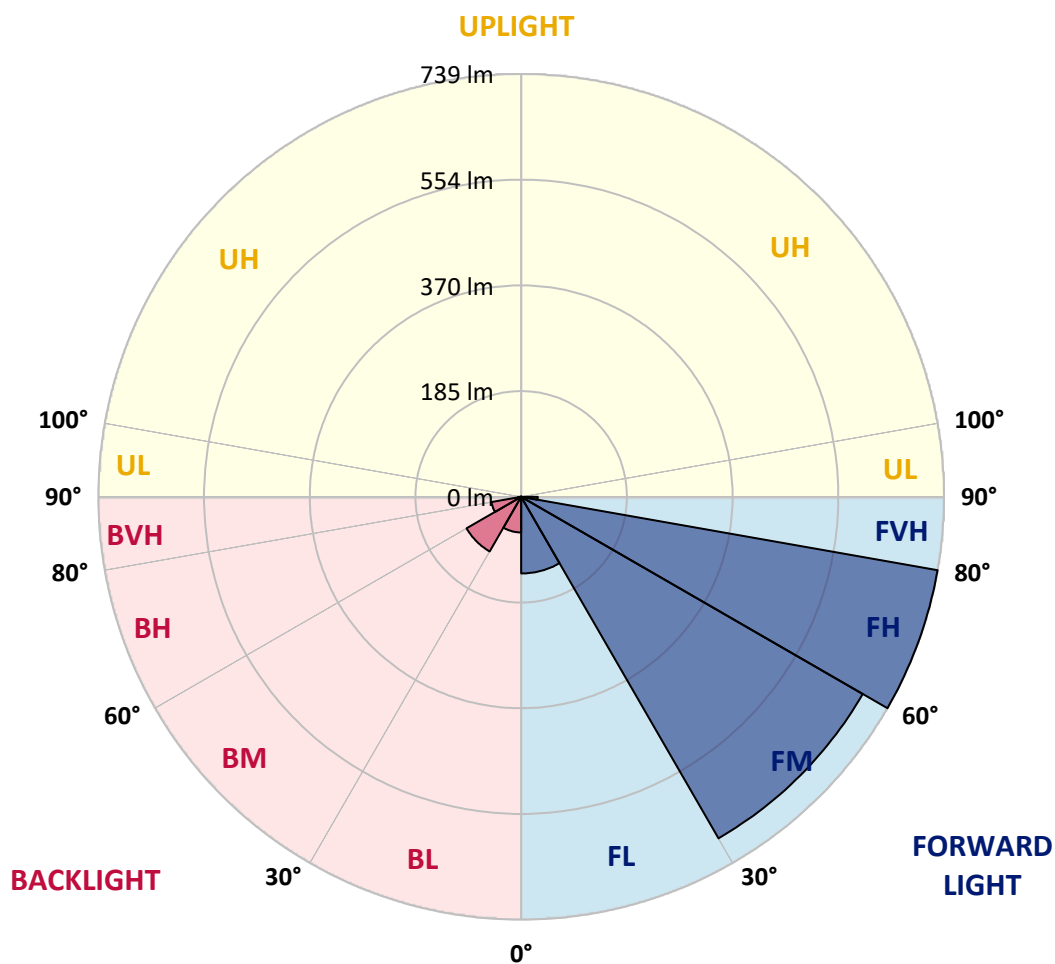
CATALOG NUMBER: IST-AF-350-LED-E1-SL4-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	134.0	7.4			
FM	(30°-60°)	689.6	37.8			
FH	(60°-80°)	739.3	40.6			G1/1800
FVH	(80°-90°)	29.1	1.6			G1/100
BL	(0°-30°)	62.2	3.4	B0/110		
BM	(30°-60°)	110.2	6.0	B0/220		
BH	(60°-80°)	52.8	2.9	B0/110		G0/110
BVH	(80°-90°)	5.4	0.3			G0/10
UL	(90°-100°)	0.5	0.0		U1/10	
UH	(100°-180°)	0.1	0.0		U1/10	

BUG Rating: B0-U1-G1

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	39°	40°	45°
0°	305.4	305.4	305.4	305.4	305.4	305.4	305.4	305.4	305.4	305.4	305.4
2.5°	312.8	313.1	313.1	313.3	312.2	312.2	312.5	311.3	311.9	311.6	310.1
5°	313.3	313.6	313.3	313.6	312.2	311.6	310.4	308.9	309.5	309.2	307.1
7.5°	311.9	312.2	311.6	311.9	310.1	308.9	307.1	305.9	305.1	304.8	302.1
10°	308.6	309.5	308.3	309.2	307.7	306.5	305.7	304.5	303.9	303.6	300.6
12.5°	303.9	304.5	304.8	305.9	305.9	306.2	306.2	305.4	305.7	305.4	303.0
15°	299.4	301.5	303.6	304.8	307.1	308.6	309.8	309.5	310.4	310.1	308.6
17.5°	299.4	301.2	304.8	308.6	313.1	315.1	316.9	316.9	317.2	316.6	314.2
20°	300.6	303.9	309.8	316.3	321.6	325.8	327.0	326.7	325.5	325.5	321.3
22.5°	310.4	312.5	319.0	326.1	333.5	337.6	337.9	337.0	334.7	334.1	329.0
25°	324.3	326.7	332.6	341.8	347.4	350.6	349.7	346.8	344.4	342.3	337.0
27.5°	345.9	347.7	353.6	359.8	363.1	364.2	360.7	356.5	353.9	353.0	345.9
30°	368.1	370.5	375.2	379.0	381.7	378.1	372.5	367.8	365.4	364.8	358.3
32.5°	395.3	395.6	398.9	399.7	400.0	394.1	386.4	382.0	381.1	379.9	374.9
35°	420.2	421.6	421.0	420.8	418.1	410.7	404.2	401.5	400.6	400.3	396.2
37.5°	442.4	444.7	443.2	440.6	437.3	431.4	424.6	421.6	424.6	422.8	423.7
40°	464.0	464.0	462.2	460.7	456.9	451.2	448.9	449.2	453.9	455.1	456.3
42.5°	482.6	482.3	480.5	479.3	478.7	477.6	476.4	482.0	491.2	493.0	495.6
45°	503.0	502.7	495.9	498.3	502.4	503.3	507.4	520.5	531.7	532.6	538.2
47.5°	522.8	520.5	514.0	516.3	528.2	534.4	541.2	559.5	575.2	578.5	594.1
50°	543.5	541.2	534.1	538.5	555.1	566.6	582.6	608.1	629.7	634.1	654.5
52.5°	565.1	564.9	559.2	566.0	586.5	609.8	635.0	663.7	690.0	695.6	725.8
55°	591.2	589.7	587.3	595.6	624.6	656.0	695.3	734.4	763.1	773.2	803.6
57.5°	620.5	619.9	620.2	637.3	672.3	719.9	768.1	820.8	868.1	875.2	903.6
60°	645.9	647.1	653.9	680.8	724.6	789.1	856.9	928.2	970.2	977.6	1005.4
62.5°	677.0	683.8	698.9	732.9	784.4	862.5	950.4	1025.8	1080.0	1095.1	1147.8
65°	751.6	756.9	785.0	826.1	891.8	991.8	1092.7	1202.5	1291.9	1305.5	1350.7
67.5°	806.0	819.6	863.7	930.9	1025.8	1153.7	1292.1	1425.0	1500.5	1506.7	1475.0
69°	787.1	798.3	850.4	931.5	1046.0	1194.8	1367.0	1505.8	1552.2	1551.0	1464.9
70°	758.1	768.4	825.8	904.5	1029.1	1190.1	1368.2	1506.4	1534.5	1523.8	1425.3
72.5°	635.0	644.2	698.0	780.3	901.0	1060.8	1228.5	1322.9	1317.0	1308.1	1145.4
75°	396.5	395.9	442.9	490.6	584.4	745.9	870.8	946.5	934.4	927.6	735.3
77.5°	148.2	158.6	175.8	226.9	270.1	357.4	458.3	542.7	566.0	536.2	395.9
80°	77.2	82.8	94.1	112.1	129.0	147.6	177.5	228.4	236.4	220.4	159.8
82.5°	61.0	67.8	79.0	94.4	106.2	99.1	93.5	96.8	96.2	91.7	81.4
85°	46.2	54.1	72.5	88.2	105.0	88.8	70.7	61.8	55.0	55.3	58.9
87.5°	23.1	29.9	57.1	76.9	91.4	58.9	46.2	35.8	29.9	28.7	38.5
90°	7.1	7.1	11.5	15.1	20.7	10.4	10.1	7.7	5.6	5.6	8.9
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):

	0°	5°	10°	15°	20°	25°	30°	35°	39°	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°	305.4	305.4	305.4	305.4	305.4	305.4	305.4	305.4	305.4	305.4	305.4
2.5°	308.9	308.9	308.3	308.0	307.1	305.9	305.1	303.6	302.7	301.2	299.4
5°	305.1	303.9	303.3	302.1	300.3	298.8	297.1	295.0	292.6	289.7	286.4
7.5°	300.0	298.3	296.2	295.6	293.5	291.7	289.7	286.7	283.5	278.1	274.0
10°	298.0	296.2	294.4	293.2	290.6	288.5	286.1	282.3	278.1	271.0	263.3
12.5°	300.0	298.3	296.5	294.4	292.0	289.7	286.4	281.7	276.1	266.9	257.4
15°	305.1	303.3	300.3	298.3	295.0	292.9	288.5	283.2	274.9	263.6	251.2
17.5°	310.7	308.0	305.4	302.1	299.1	296.5	291.7	284.9	274.6	261.3	245.3
20°	316.0	313.1	308.9	306.5	303.6	299.7	294.7	286.4	274.0	256.5	239.1
22.5°	322.2	318.4	313.9	311.3	308.9	305.7	299.7	289.1	274.0	253.9	232.0
25°	330.2	325.2	320.7	318.1	316.6	314.2	307.1	295.3	276.1	252.4	226.1
27.5°	339.7	333.2	329.3	327.5	327.3	325.5	318.4	303.6	280.8	252.4	220.4
30°	350.9	345.3	340.3	340.3	343.8	342.6	334.7	316.3	288.2	253.3	216.3
32.5°	366.6	361.0	358.0	361.0	364.8	366.0	356.8	334.4	300.3	257.4	212.2
35°	389.7	386.1	384.1	388.5	396.2	399.2	387.9	361.3	318.1	265.4	209.8
37.5°	420.2	417.5	414.8	422.5	437.0	442.9	426.7	392.3	343.5	278.7	208.6
40°	455.1	455.4	458.3	473.7	487.6	500.1	481.7	439.4	378.4	297.7	209.8
42.5°	496.5	499.8	509.8	531.1	558.0	567.8	550.1	496.2	421.9	320.4	212.7
45°	548.0	556.6	573.7	605.4	637.9	653.0	627.9	567.8	476.7	356.8	221.0
47.5°	602.7	621.7	650.7	689.1	727.0	736.8	705.7	632.6	530.2	389.1	233.8
50°	672.9	695.9	724.9	771.1	811.3	817.2	776.1	692.7	577.0	417.2	245.9
52.5°	738.2	769.6	806.6	860.1	901.0	893.6	840.3	746.2	614.0	436.4	252.7
55°	827.6	860.1	901.9	948.6	989.2	971.4	898.6	791.8	643.6	450.6	254.8
57.5°	929.7	954.5	995.4	1043.3	1069.9	1039.5	956.0	836.2	671.7	450.9	238.5
60°	1030.0	1059.0	1104.0	1151.0	1165.8	1113.1	996.0	843.0	643.9	402.4	190.8
62.5°	1178.5	1207.8	1230.6	1238.3	1211.7	1105.7	949.5	771.1	555.1	317.5	135.2
65°	1344.5	1311.4	1267.3	1225.9	1153.4	992.4	818.7	633.5	430.8	212.2	93.2
67.5°	1388.0	1287.1	1191.2	1098.9	963.7	790.3	617.5	445.6	276.4	120.7	63.3
69°	1342.7	1195.4	1088.6	942.1	802.5	591.5	425.5	285.5	165.1	84.0	53.0
70°	1259.9	1106.6	961.9	805.1	621.7	451.8	282.9	187.0	107.7	61.2	47.6
72.5°	950.7	760.1	585.9	380.5	232.0	128.7	90.5	64.8	51.2	45.0	40.8
75°	549.8	366.0	239.7	127.8	75.7	56.2	49.1	43.8	40.5	39.1	35.5
77.5°	232.0	145.0	98.2	71.9	50.9	43.5	37.9	34.9	34.6	33.7	30.5
80°	105.6	90.5	77.2	54.1	38.8	33.1	29.0	28.4	29.0	28.1	24.9
82.5°	78.4	77.2	64.5	41.7	29.6	22.2	18.0	18.9	21.3	23.1	20.1
85°	65.4	65.4	54.1	31.1	19.5	14.2	13.9	15.7	17.8	19.2	16.3
87.5°	60.1	57.7	31.1	16.0	11.2	9.2	8.6	7.7	7.7	13.3	11.2
90°	5.9	2.7	1.5	1.2	1.5	1.2	1.8	1.5	1.5	1.5	1.5
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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CATALOG NUMBER: IST-AF-350-LED-E1-SL4-8030

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: P227106

CATALOG NUMBER: IST-AF-350-LED-E1-SL4-8030

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	305.4	305.4	305.4	305.4	305.4	305.4	305.4	305.4	305.4	305.4	305.4
2.5°	298.0	296.8	293.8	293.2	292.3	291.2	290.9	289.4	286.4	285.8	286.1
5°	284.3	279.6	276.4	273.7	271.6	266.3	264.2	261.9	257.7	256.5	254.8
7.5°	268.4	262.7	256.2	251.5	245.9	240.3	235.8	230.2	225.8	223.1	218.4
10°	255.9	248.3	239.7	230.2	222.8	214.2	208.6	202.1	195.0	188.5	183.7
12.5°	246.5	235.8	223.4	212.2	201.5	192.3	182.3	173.1	164.2	155.3	147.6
15°	238.8	225.5	209.8	195.6	182.6	169.0	157.7	145.0	133.7	126.0	116.3
17.5°	230.5	213.3	194.7	178.1	161.3	147.1	132.9	119.5	108.9	98.8	90.8
20°	220.4	199.7	179.6	160.4	141.1	124.9	110.4	97.6	87.3	79.3	73.4
22.5°	209.2	184.9	161.6	140.5	121.3	105.3	91.7	82.3	74.6	70.1	68.4
25°	198.2	170.4	144.1	121.0	101.8	88.2	79.0	71.0	67.2	65.4	65.4
27.5°	188.2	155.6	126.3	103.9	85.2	74.6	67.5	64.2	62.4	62.4	63.3
30°	178.7	140.8	109.5	86.7	71.9	63.9	60.1	58.9	59.2	60.4	61.5
32.5°	167.8	126.6	95.0	74.6	62.4	57.1	54.1	54.4	55.9	58.0	60.1
35°	156.2	111.6	82.3	65.4	55.9	51.8	50.0	50.3	52.4	55.0	57.1
37.5°	145.9	99.4	72.5	58.3	51.2	48.5	47.0	47.3	48.8	52.1	54.7
40°	135.5	89.1	64.5	54.1	48.5	45.9	45.0	44.7	45.9	48.8	52.1
42.5°	126.6	80.2	59.8	51.2	46.8	44.4	43.2	43.2	43.8	46.2	49.4
45°	121.3	74.9	56.5	49.1	45.3	43.2	42.0	41.4	42.3	43.8	46.8
47.5°	121.3	72.2	54.4	47.6	44.1	42.3	40.8	40.5	40.8	42.3	45.3
50°	125.5	72.8	54.1	47.0	43.5	41.1	39.6	39.6	40.2	42.3	44.7
52.5°	129.0	74.0	55.0	47.6	43.5	40.5	38.8	38.5	39.4	41.4	43.5
55°	128.4	74.0	55.9	48.5	44.4	40.8	38.5	38.2	38.8	40.8	42.9
57.5°	114.8	69.5	55.0	49.1	45.6	42.3	39.9	39.1	39.6	41.4	43.2
60°	92.9	61.8	52.7	49.1	47.3	45.0	42.6	42.0	42.3	44.1	46.2
62.5°	72.8	55.0	49.7	48.8	48.2	47.0	46.2	45.6	45.6	47.0	48.8
65°	59.2	49.7	47.3	47.6	48.2	47.9	47.6	47.3	47.3	48.2	50.0
67.5°	49.4	44.7	44.1	45.0	45.6	45.9	46.2	45.9	46.2	47.0	49.1
69°	45.0	42.0	41.4	42.0	43.2	43.5	44.1	43.8	44.1	45.0	47.0
70°	42.3	39.9	39.4	40.2	41.1	41.4	42.0	41.7	42.0	42.9	45.0
72.5°	36.7	34.0	33.1	33.7	34.6	34.6	35.5	35.8	35.2	35.5	37.0
75°	31.4	28.4	26.9	27.2	27.2	27.2	27.8	27.8	27.2	26.9	27.2
77.5°	26.3	23.1	21.3	21.3	21.3	21.0	20.1	20.4	20.7	20.4	20.7
80°	20.7	18.0	16.3	16.3	16.3	15.7	15.4	15.4	16.0	16.6	16.3
82.5°	16.0	13.3	12.4	12.1	12.1	11.5	11.5	12.1	11.8	12.1	12.7
85°	11.5	9.5	8.6	8.9	8.6	8.0	8.3	9.2	9.2	8.9	9.5
87.5°	7.1	5.9	5.6	5.9	5.3	4.4	4.1	4.4	5.0	4.7	5.3
90°	0.9	0.6	0.6	0.6	0.9	0.6	0.6	0.6	0.9	0.9	0.6
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

REPORT NUMBER: P227106
CATALOG NUMBER: IST-AF-350-LED-E1-SL4-8030

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	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	67.5°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	69°
												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: P227106

NUMBER: IST-AF-350-LED-E1-SL4-8030

REPORT NUMBER: P

CATALOG NUMBER:

DISTRIBUTION (continued):

160°	165°	170°	175°	180°
305.4	305.4	305.4	305.4	305.4
284.1	284.9	281.1	282.9	281.7
253.0	251.5	251.2	250.3	248.5
216.6	215.4	211.9	213.0	210.4
179.0	178.7	172.2	172.5	169.2
144.4	139.1	136.4	132.6	134.6
111.8	107.4	101.8	100.3	102.4
84.3	79.9	77.2	74.9	74.0
69.8	67.2	65.7	64.8	64.2
67.5	66.9	66.6	66.0	65.7
66.0	66.6	66.6	66.6	66.0
64.5	65.7	66.0	65.7	65.1
63.0	63.9	63.9	63.6	62.7
61.0	61.8	61.8	61.5	61.0
58.6	59.2	59.5	59.5	59.8
56.8	57.4	58.0	58.6	59.5
54.7	55.6	55.9	57.1	58.3
52.1	53.3	53.9	54.7	55.9
49.4	50.9	51.2	52.4	53.6
48.2	49.4	49.4	50.3	51.2
46.8	47.3	47.0	47.6	47.9
45.3	45.9	45.6	46.2	46.5
44.1	44.7	45.3	45.9	46.2
44.7	45.6	45.9	46.8	47.0
47.3	48.5	49.7	50.9	51.8
50.0	51.5	54.1	59.5	61.5
51.5	53.6	59.8	68.9	71.6
50.6	53.3	60.7	70.4	73.7
48.8	50.9	58.9	68.9	71.9
46.5	48.5	56.5	67.5	70.1
37.6	38.8	47.6	58.0	59.8
27.5	28.4	35.2	39.4	39.1
21.3	22.5	24.9	25.2	24.9
16.9	17.5	18.6	18.6	18.9
13.0	13.3	13.9	13.3	13.0
9.8	9.5	9.2	8.9	8.6
5.6	5.6	4.7	4.1	3.8
0.6	0.9	0.9	0.6	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	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	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:

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

IST-AF-350-LED-E1-SL4-8030

TION (continued):

[illegible]

(END OF REPORT)