

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: P271624

Luminaire Tested: **IST-AF-350-LED-E1-SL4-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271624
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-SL4-7027
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-TYPE IV W/SPILL CONTROL
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1941.1 lumens
Efficiency: N/A
Efficacy: 96.6 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

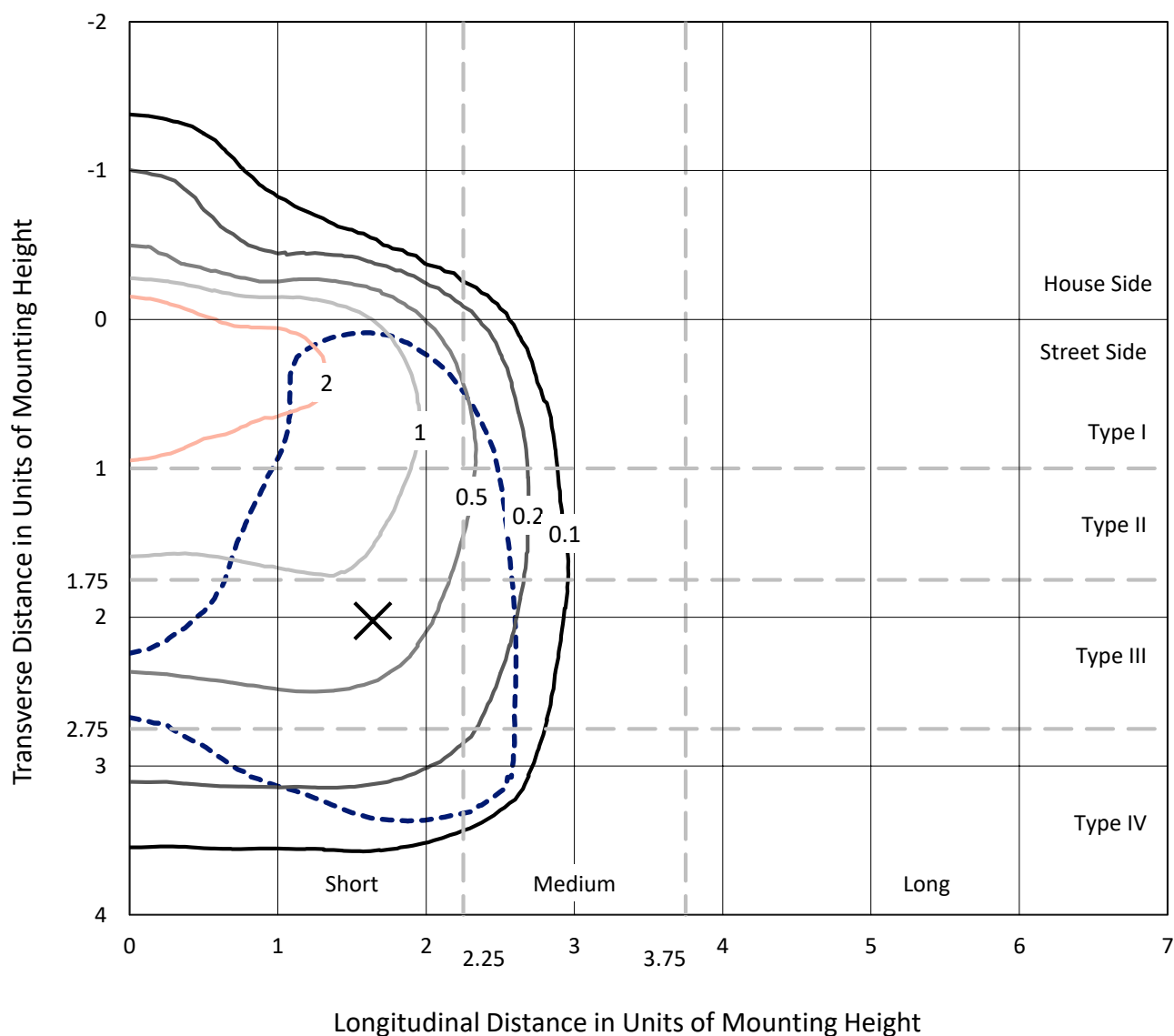


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

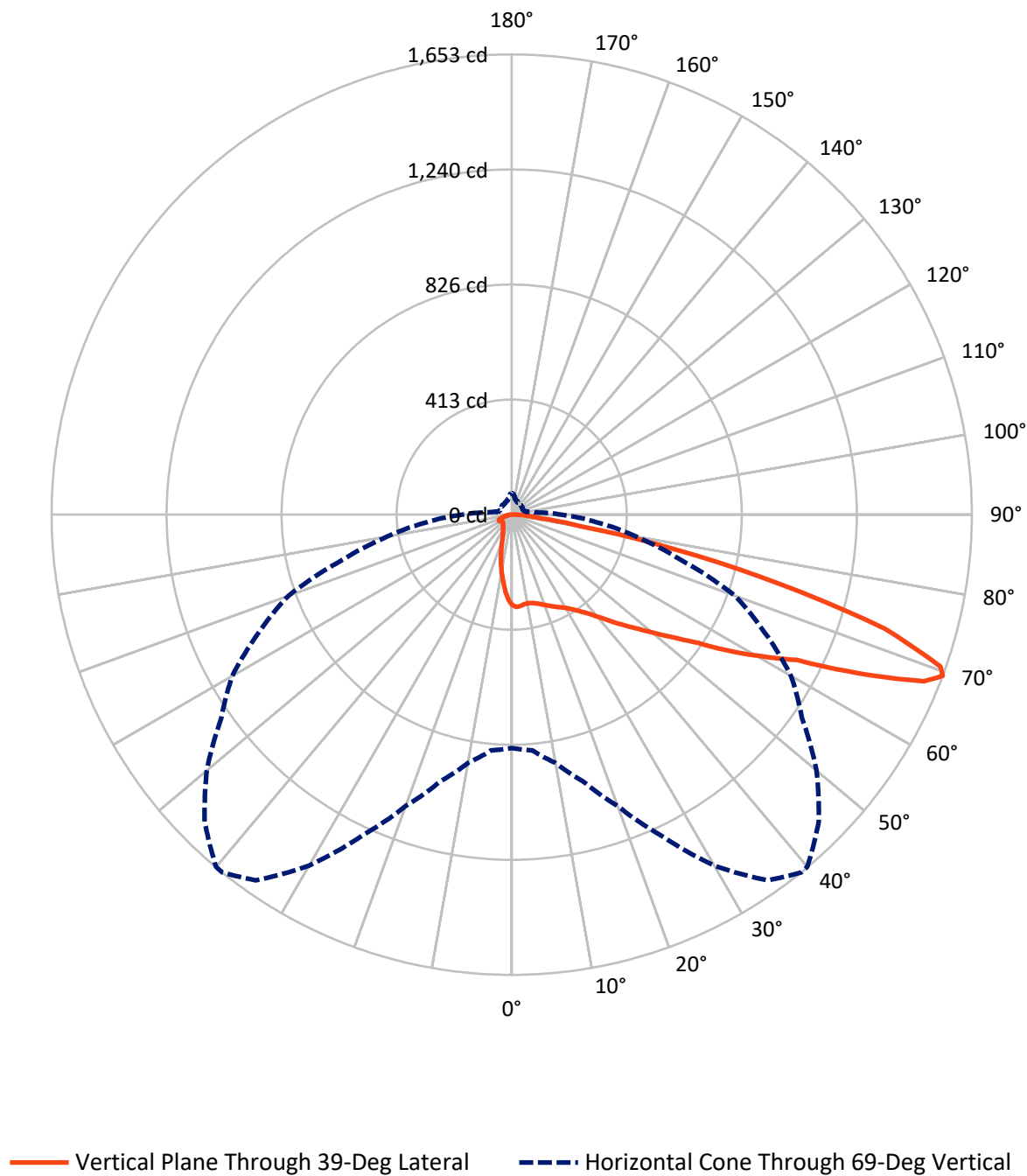


Based on 10 foot mounting height. Maximum calculated value = 3.3 fc
Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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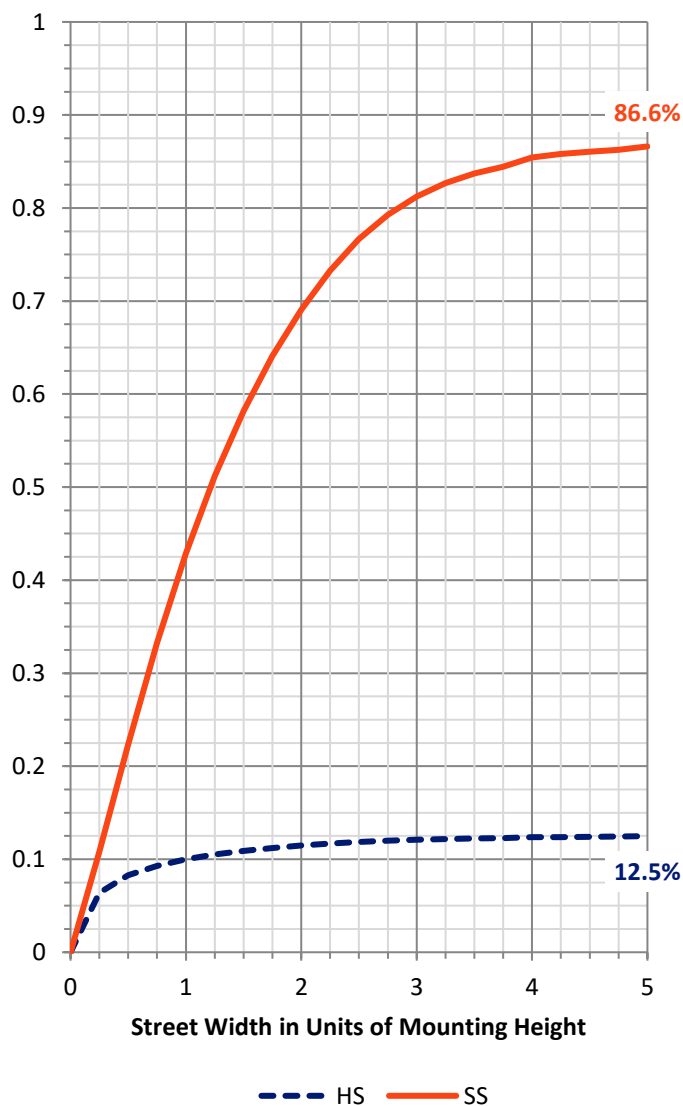
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	245.6	0.1	245.7
	% Fixture	12.7	0.0	12.7
Street Side	Lumens	1695.0	0.5	1695.5
	% Fixture	87.3	0.0	87.3
Total	Lumens	1940.6	0.5	1941.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.1	1.4
10°-20°	70.8	3.6
20°-30°	110.1	5.7
30°-40°	166.5	8.6
40°-50°	266.4	13.7
50°-60°	418.7	21.6
60°-70°	563.7	29.0
70°-80°	279.6	14.4
80°-90°	36.7	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°	1940.6	100.0
0°-180°	1941.1	100.0

Coefficient of Utilization



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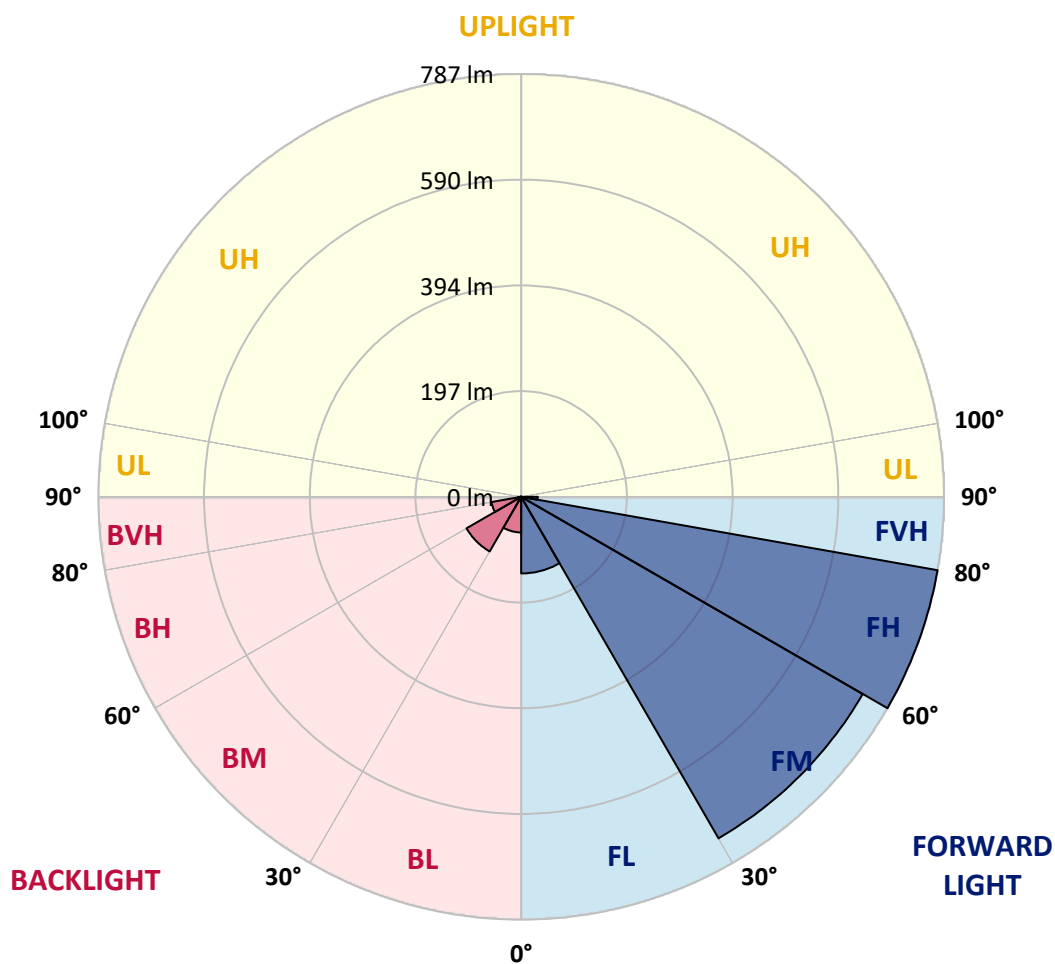
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	142.7	7.4			
FM	(30°-60°)	734.2	37.8			
FH	(60°-80°)	787.1	40.6			G1/1800
FVH	(80°-90°)	30.9	1.6			G1/100
BL	(0°-30°)	66.3	3.4	B0/110		
BM	(30°-60°)	117.3	6.0	B0/220		
BH	(60°-80°)	56.2	2.9	B0/110		G0/110
BVH	(80°-90°)	5.8	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°	325.2	325.2	325.2	325.2	325.2	325.2	325.2	325.2	325.2	325.2	325.2
2.5°	333.0	333.3	333.3	333.6	332.4	332.4	332.7	331.5	332.0	331.7	330.1
5°	333.6	333.9	333.6	333.9	332.4	331.7	330.5	328.9	329.5	329.2	327.1
7.5°	332.0	332.4	331.7	332.0	330.1	328.9	327.1	325.7	324.7	324.5	321.6
10°	328.6	329.5	328.3	329.2	327.6	326.4	325.5	324.2	323.5	323.2	320.1
12.5°	323.5	324.2	324.5	325.7	325.7	326.1	326.1	325.2	325.5	325.2	322.6
15°	318.8	321.1	323.2	324.5	327.1	328.6	329.9	329.5	330.5	330.1	328.6
17.5°	318.8	320.8	324.5	328.6	333.3	335.4	337.4	337.4	337.8	337.1	334.6
20°	320.1	323.5	329.9	336.8	342.4	346.8	348.1	347.8	346.6	346.6	342.2
22.5°	330.5	332.7	339.6	347.1	355.0	359.4	359.8	358.9	356.3	355.7	350.2
25°	345.3	347.8	354.1	363.8	369.8	373.3	372.3	369.2	366.7	364.5	358.9
27.5°	368.2	370.2	376.5	383.0	386.5	387.8	384.0	379.6	376.7	375.9	368.2
30°	391.9	394.4	399.5	403.6	406.4	402.6	396.6	391.6	389.1	388.4	381.5
32.5°	420.9	421.2	424.7	425.5	426.0	419.6	411.4	406.8	405.8	404.5	399.2
35°	447.4	449.0	448.3	448.0	445.1	437.3	430.4	427.5	426.5	426.2	421.8
37.5°	471.0	473.5	471.9	469.1	465.6	459.3	452.0	449.0	452.0	450.2	451.1
40°	494.0	494.0	492.1	490.6	486.4	480.4	477.9	478.2	483.3	484.5	485.8
42.5°	513.8	513.5	511.7	510.3	509.7	508.5	507.3	513.2	522.9	524.9	527.7
45°	535.6	535.2	528.0	530.4	534.9	535.9	540.3	554.2	566.1	567.1	573.1
47.5°	556.7	554.2	547.2	549.8	562.4	569.0	576.3	595.8	612.5	615.9	632.6
50°	578.7	576.3	568.6	573.4	591.1	603.3	620.3	647.4	670.3	675.2	696.8
52.5°	601.8	601.4	595.5	602.7	624.4	649.3	676.1	706.7	734.6	740.7	772.8
55°	629.4	627.8	625.3	634.1	665.0	698.4	740.3	782.0	812.4	823.2	855.6
57.5°	660.6	660.1	660.3	678.6	715.8	766.4	817.9	873.9	924.4	931.9	962.2
60°	687.7	689.0	696.3	724.9	771.6	840.3	912.4	988.2	1033.1	1040.9	1070.5
62.5°	720.8	728.1	744.2	780.4	835.2	918.3	1011.9	1092.2	1149.9	1166.0	1222.1
65°	800.2	805.9	835.9	879.6	949.5	1056.0	1163.5	1280.4	1375.5	1389.9	1438.2
67.5°	858.2	872.6	919.5	991.1	1092.2	1228.3	1375.8	1517.1	1597.5	1604.1	1570.5
69°	838.0	850.0	905.4	991.7	1113.7	1272.1	1455.4	1603.3	1652.7	1651.4	1559.7
70°	807.1	818.2	879.4	963.1	1095.8	1267.1	1456.7	1603.8	1633.7	1622.5	1517.6
72.5°	676.1	685.9	743.2	830.8	959.3	1129.3	1308.0	1408.5	1402.3	1392.8	1219.4
75°	422.1	421.6	471.6	522.4	622.2	794.2	927.1	1007.8	995.0	987.7	782.9
77.5°	157.8	168.8	187.2	241.6	287.6	380.5	488.0	577.8	602.7	570.9	421.6
80°	82.3	88.2	100.3	119.5	137.4	157.2	189.0	243.2	251.7	234.6	170.0
82.5°	64.9	72.1	84.1	100.5	113.1	105.6	99.5	103.0	102.4	97.6	86.7
85°	49.1	57.6	77.2	94.0	111.7	94.5	75.3	65.8	58.6	58.9	62.7
87.5°	24.5	31.8	60.7	81.9	97.4	62.7	49.1	38.1	31.8	30.5	41.0
90°	7.5	7.5	12.3	16.1	22.1	11.0	10.7	8.2	6.0	6.0	9.4
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):

	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°	325.2	325.2	325.2	325.2	325.2	325.2	325.2	325.2	325.2	325.2	325.2
2.5°	328.9	328.9	328.3	327.9	327.1	325.7	324.7	323.2	322.3	320.8	318.8
5°	324.7	323.5	322.9	321.6	319.8	318.2	316.3	314.0	311.6	308.4	305.0
7.5°	319.4	317.6	315.3	314.8	312.5	310.6	308.4	305.2	301.8	296.1	291.7
10°	317.2	315.3	313.5	312.3	309.4	307.2	304.6	300.6	296.1	288.5	280.5
12.5°	319.4	317.6	315.7	313.5	310.9	308.4	305.0	299.9	293.9	284.1	274.2
15°	324.7	322.9	319.8	317.6	314.0	311.9	307.2	301.5	292.7	280.7	267.4
17.5°	330.8	327.9	325.2	321.6	318.4	315.7	310.6	303.4	292.4	278.1	261.1
20°	336.4	333.3	328.9	326.4	323.2	319.2	313.8	305.0	291.7	273.2	254.6
22.5°	343.1	339.0	334.3	331.5	328.9	325.5	319.2	307.8	291.7	270.3	246.9
25°	351.6	346.3	341.4	338.8	337.1	334.6	327.1	314.4	293.9	268.8	240.7
27.5°	361.7	354.7	350.7	348.7	348.5	346.6	339.0	323.2	299.0	268.8	234.6
30°	373.7	367.7	362.3	362.3	366.1	364.8	356.3	336.8	306.8	269.7	230.2
32.5°	390.3	384.4	381.2	384.4	388.4	389.8	379.9	356.0	319.8	274.2	225.8
35°	414.8	411.2	408.9	413.6	421.8	425.0	413.0	384.7	338.8	282.6	223.4
37.5°	447.4	444.5	441.7	449.9	465.3	471.6	454.4	417.7	365.8	296.8	222.2
40°	484.5	484.8	488.0	504.4	519.2	532.4	512.9	467.8	402.9	316.9	223.4
42.5°	528.7	532.1	542.8	565.6	594.2	604.6	585.7	528.3	449.2	341.2	226.6
45°	583.4	592.6	610.8	644.5	679.2	695.3	668.5	604.6	507.5	379.9	235.4
47.5°	641.7	661.9	692.8	733.7	774.1	784.4	751.3	673.5	564.6	414.3	248.9
50°	716.4	740.9	771.8	821.1	863.8	870.2	826.4	737.5	614.4	444.2	261.8
52.5°	785.9	819.4	858.8	915.8	959.3	951.5	894.7	794.6	653.7	464.6	269.0
55°	881.1	915.8	960.3	1010.1	1053.2	1034.3	956.8	843.0	685.1	479.9	271.3
57.5°	989.8	1016.3	1059.8	1110.8	1139.2	1106.7	1017.9	890.3	715.1	480.1	254.0
60°	1096.7	1127.6	1175.4	1225.5	1241.3	1185.1	1060.4	897.6	685.6	428.4	203.2
62.5°	1254.8	1285.9	1310.3	1318.4	1290.1	1177.3	1011.0	821.1	591.1	338.0	144.0
65°	1431.4	1396.2	1349.3	1305.1	1228.1	1056.7	871.7	674.4	458.7	225.8	99.3
67.5°	1477.8	1370.5	1268.4	1170.0	1026.0	841.4	657.5	474.5	294.3	128.5	67.5
69°	1429.7	1272.8	1159.0	1003.0	854.4	629.7	453.0	304.0	175.8	89.5	56.4
70°	1341.3	1178.3	1024.2	857.3	661.9	481.0	301.2	199.2	114.6	65.1	50.8
72.5°	1012.2	809.4	623.7	405.1	246.9	137.0	96.4	69.0	54.4	47.9	43.5
75°	585.3	389.8	255.2	136.1	80.7	59.8	52.3	46.6	43.2	41.6	37.8
77.5°	246.9	154.4	104.7	76.5	54.2	46.4	40.3	37.2	36.9	35.9	32.5
80°	112.5	96.4	82.3	57.6	41.2	35.2	30.9	30.3	30.9	29.9	26.5
82.5°	83.5	82.3	68.7	44.5	31.5	23.6	19.2	20.1	22.6	24.5	21.4
85°	69.6	69.6	57.6	33.1	20.8	15.1	14.8	16.7	19.0	20.5	17.3
87.5°	64.0	61.4	33.1	17.0	11.9	9.8	9.2	8.2	8.2	14.1	11.9
90°	6.3	2.9	1.5	1.3	1.5	1.3	1.9	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

REPORT NUMBER: P271624

CATALOG NUMBER: IST-AF-350-LED-E1-SL4-7027

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: P271624

CATALOG NUMBER: IST-AF-350-LED-E1-SL4-7027

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	325.2	325.2	325.2	325.2	325.2	325.2	325.2	325.2	325.2	325.2	325.2
2.5°	317.2	315.9	312.8	312.3	311.3	309.9	309.6	308.1	305.0	304.3	304.6
5°	302.8	297.7	294.3	291.4	289.3	283.5	281.3	278.8	274.4	273.2	271.3
7.5°	285.8	279.7	272.8	267.8	261.8	255.7	251.1	245.1	240.4	237.5	232.5
10°	272.5	264.3	255.2	245.1	237.2	228.1	222.2	215.1	207.6	200.7	195.7
12.5°	262.5	251.1	237.8	225.8	214.5	204.7	194.0	184.3	174.8	165.4	157.2
15°	254.2	240.0	223.4	208.2	194.3	179.9	167.9	154.4	142.4	134.2	123.8
17.5°	245.3	227.1	207.3	189.6	171.7	156.6	141.4	127.3	115.9	105.2	96.7
20°	234.6	212.7	191.2	170.8	150.3	132.9	117.5	103.9	93.0	84.4	78.2
22.5°	222.7	196.9	172.0	149.7	129.2	112.2	97.6	87.6	79.4	74.6	72.8
25°	211.1	181.5	153.4	128.9	108.3	94.0	84.1	75.5	71.5	69.6	69.6
27.5°	200.3	165.6	134.6	110.6	90.7	79.4	71.9	68.5	66.5	66.5	67.5
30°	190.4	149.9	116.6	92.3	76.5	68.0	64.0	62.7	63.0	64.3	65.6
32.5°	178.7	134.8	101.1	79.4	66.5	60.7	57.6	58.0	59.6	61.7	64.0
35°	166.4	118.8	87.6	69.6	59.6	55.2	53.2	53.6	55.8	58.6	60.7
37.5°	155.2	105.8	77.2	62.1	54.4	51.7	50.0	50.5	52.0	55.4	58.3
40°	144.3	94.8	68.7	57.6	51.7	48.9	47.9	47.6	48.9	52.0	55.4
42.5°	134.8	85.4	63.6	54.4	49.8	47.3	46.0	46.0	46.6	49.1	52.6
45°	129.2	79.7	60.2	52.3	48.1	46.0	44.7	44.1	45.1	46.6	49.8
47.5°	129.2	76.9	58.0	50.8	46.9	45.1	43.5	43.2	43.5	45.1	48.1
50°	133.6	77.5	57.6	50.0	46.4	43.7	42.2	42.2	42.8	45.1	47.6
52.5°	137.4	78.7	58.6	50.8	46.4	43.2	41.2	41.0	42.0	44.1	46.4
55°	136.7	78.7	59.6	51.7	47.3	43.5	41.0	40.6	41.2	43.5	45.6
57.5°	122.2	74.0	58.6	52.3	48.5	45.1	42.5	41.6	42.2	44.1	46.0
60°	98.9	65.8	56.1	52.3	50.5	47.9	45.4	44.7	45.1	46.9	49.1
62.5°	77.5	58.6	52.9	52.0	51.3	50.0	49.1	48.5	48.5	50.0	52.0
65°	63.0	52.9	50.5	50.8	51.3	51.0	50.8	50.5	50.5	51.3	53.2
67.5°	52.6	47.6	46.9	47.9	48.5	48.9	49.1	48.9	49.1	50.0	52.3
69°	47.9	44.7	44.1	44.7	46.0	46.4	46.9	46.6	46.9	47.9	50.0
70°	45.1	42.5	42.0	42.8	43.7	44.1	44.7	44.5	44.7	45.6	47.9
72.5°	39.1	36.2	35.2	35.9	36.9	36.9	37.8	38.1	37.5	37.8	39.3
75°	33.3	30.3	28.7	28.9	28.9	28.9	29.6	29.6	28.9	28.7	28.9
77.5°	28.0	24.5	22.6	22.6	22.6	22.4	21.4	21.6	22.1	21.6	22.1
80°	22.1	19.2	17.3	17.3	17.3	16.7	16.3	16.3	17.0	17.7	17.3
82.5°	17.0	14.1	13.3	12.9	12.9	12.3	12.3	12.9	12.6	12.9	13.6
85°	12.3	10.2	9.2	9.4	9.2	8.5	8.8	9.8	9.8	9.4	10.2
87.5°	7.5	6.3	6.0	6.3	5.7	4.7	4.4	4.7	5.4	5.0	5.7
90°	1.0	0.6	0.6	0.6	1.0	0.6	0.6	0.6	1.0	1.0	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

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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: P271624

NUMBER: IST-AF-350-LED-E1-SL4-7027

REPORT NUMBER: P

CATALOG NUMBER:

DISTRIBUTION (continued):

160°	165°	170°	175°	180°
325.2	325.2	325.2	325.2	325.2
302.4	303.4	299.2	301.2	299.9
269.3	267.8	267.4	266.5	264.6
230.7	229.3	225.6	226.8	223.9
190.6	190.4	183.3	183.6	180.2
153.7	148.1	145.3	141.1	143.3
119.0	114.4	108.3	106.8	109.1
89.8	85.1	82.3	79.7	78.7
74.4	71.5	70.0	69.0	68.5
71.9	71.1	70.9	70.2	70.0
70.2	70.9	70.9	70.9	70.2
68.7	70.0	70.2	70.0	69.3
67.1	68.0	68.0	67.7	66.7
64.9	65.8	65.8	65.6	64.9
62.4	63.0	63.3	63.3	63.6
60.5	61.2	61.7	62.4	63.3
58.3	59.2	59.6	60.7	62.1
55.4	56.8	57.3	58.3	59.6
52.6	54.2	54.4	55.8	57.0
51.3	52.6	52.6	53.6	54.4
49.8	50.5	50.0	50.8	51.0
48.1	48.9	48.5	49.1	49.5
46.9	47.6	48.1	48.9	49.1
47.6	48.5	48.9	49.8	50.0
50.5	51.7	52.9	54.2	55.2
53.2	54.9	57.6	63.3	65.6
54.9	57.0	63.6	73.4	76.3
53.9	56.8	64.6	75.0	78.4
52.0	54.2	62.7	73.4	76.5
49.5	51.7	60.2	71.9	74.6
40.1	41.2	50.8	61.7	63.6
29.4	30.3	37.5	42.0	41.6
22.6	24.0	26.5	26.8	26.5
18.0	18.5	19.9	19.9	20.1
13.8	14.1	14.8	14.1	13.8
10.4	10.2	9.8	9.4	9.2
6.0	6.0	5.0	4.4	4.1
0.6	1.0	1.0	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-SL4-7027

TION (continued):

[illegible]

(END OF REPORT)