

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: P271699

Luminaire Tested: **IST-AF-350-LED-E1-T4FT-7027-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271699
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35943)-DOWNLIGHT AND
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-T4FT-7027-ULG
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE WITH UPLIGHT
LIGHT SQUARE WITH ACCULED OPTICS-TYPE IV FORWARD THROW, WITH UPLIGHT GLOW
Light Source: (16) 2700K CCT, 70 CRI LEDs and (1) UPLIGHT LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3903.2 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.54')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U5 - G1

Input Watts (W): 36.79
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

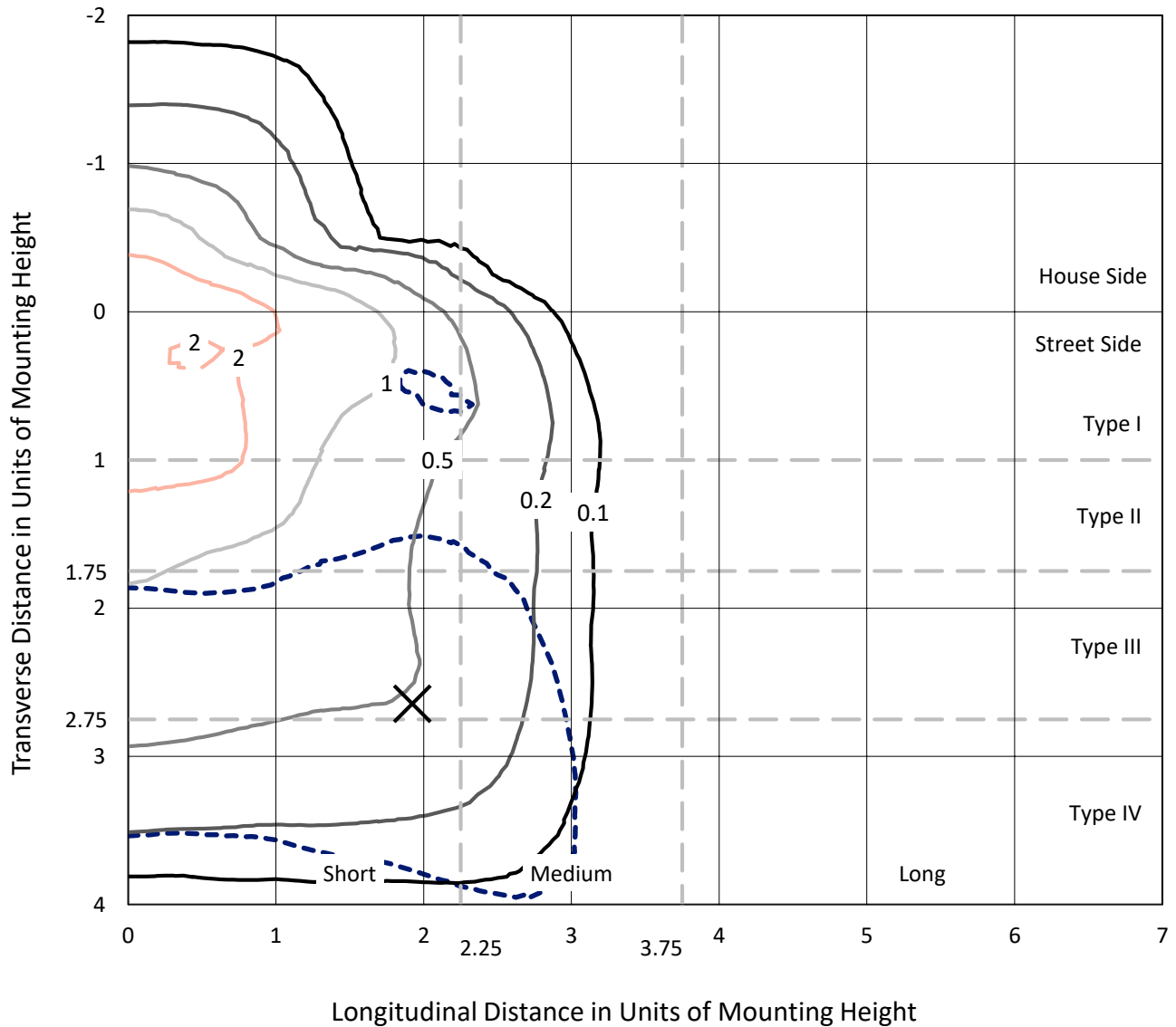


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Iso-Footcandle Lines of Horizontal Illumination

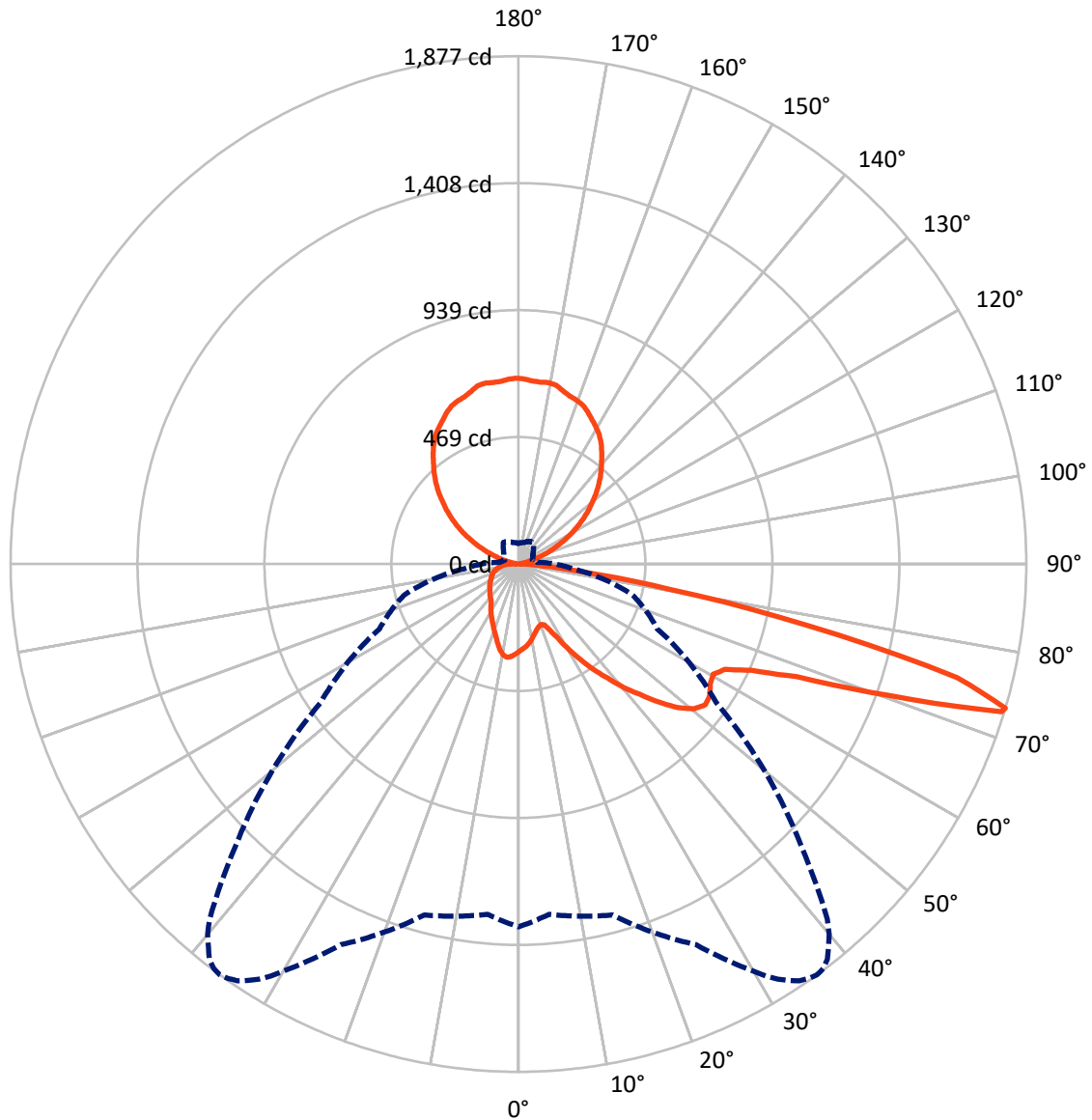
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.4 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 73-Deg Vertical

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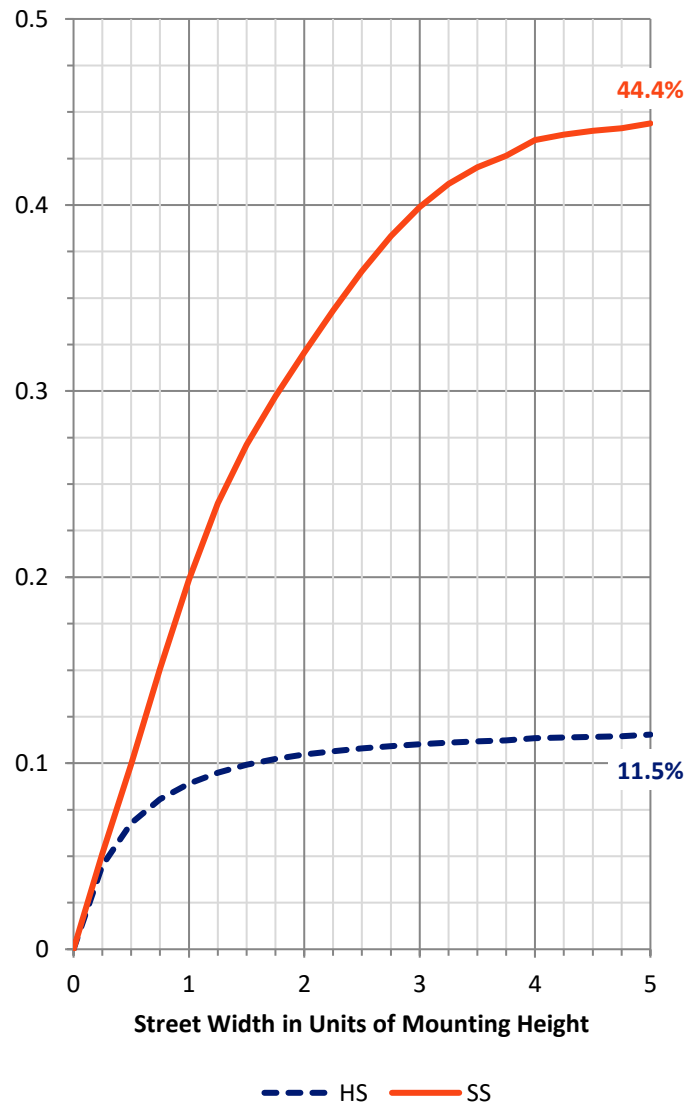
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	464.2	852.0	1316.2
	% Fixture	11.9	21.8	33.7
Street Side	Lumens	1735.3	851.7	2587.0
	% Fixture	44.5	21.8	66.3
Total	Lumens	2199.5	1703.7	3903.2
	% Fixture	56.4	43.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.4	0.8
10°-20°	80.6	2.1
20°-30°	132.0	3.4
30°-40°	218.8	5.6
40°-50°	321.5	8.2
50°-60°	405.3	10.4
60°-70°	530.8	13.6
70°-80°	429.7	11.0
80°-90°	50.4	1.3
90°-100°	9.8	0.2
100°-110°	56.3	1.4
110°-120°	163.1	4.2
120°-130°	268.1	6.9
130°-140°	330.6	8.5
140°-150°	338.2	8.7
150°-160°	284.9	7.3
160°-170°	187.6	4.8
170°-180°	65.0	1.7
0°-90°	2199.5	56.4
0°-180°	3903.2	100.0



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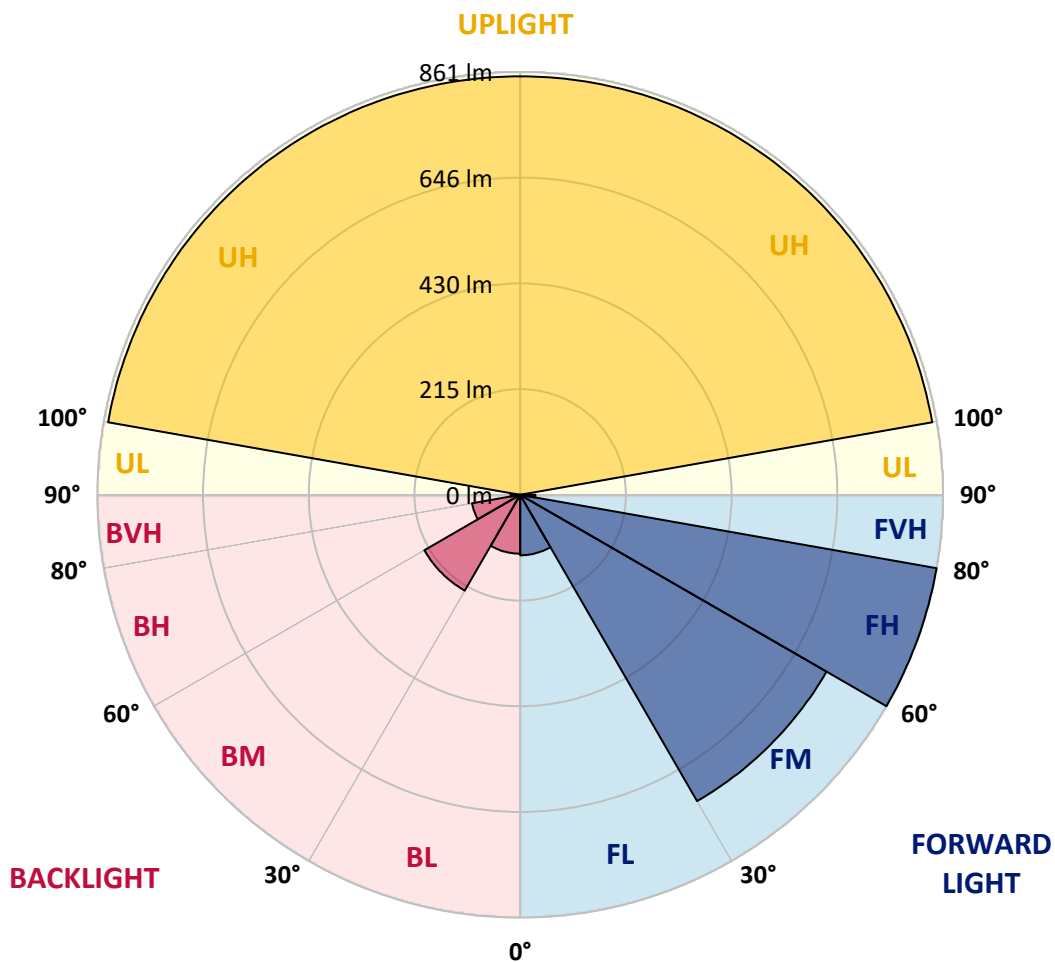
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	123.1	3.2			
FM	(30°-60°)	720.2	18.5			
FH	(60°-80°)	861.0	22.1			G1/1800
FVH	(80°-90°)	31.0	0.8			G1/100
BL	(0°-30°)	119.9	3.1	B1/500		
BM	(30°-60°)	225.4	5.8	B1/1000		
BH	(60°-80°)	99.5	2.5	B0/110		G0/110
BVH	(80°-90°)	19.5	0.5			G1/100
UL	(90°-100°)	9.8	0.2		U1/10	
UH	(100°-180°)	852.0	21.8		U4/1000	

BUG Rating: B1-U5-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	30°	31°	32°	33°	34°	35°	36°
0°	323.0	323.0	323.0	323.0	323.0	323.0	323.0	323.0	323.0	323.0	323.0
2.5°	311.4	311.9	312.6	312.6	312.6	313.5	313.1	313.1	313.5	313.9	313.9
5°	299.7	299.9	301.9	302.5	304.3	304.1	304.1	304.1	305.3	304.3	305.1
7.5°	286.4	287.1	289.0	291.1	292.7	293.0	292.7	292.1	293.7	294.4	293.7
10°	270.7	271.0	273.5	275.4	277.9	277.6	278.6	278.6	279.1	278.8	280.1
12.5°	262.8	262.1	260.9	261.9	262.5	262.5	262.5	263.5	263.1	263.7	264.7
15°	261.9	260.3	254.0	251.7	251.2	251.2	250.8	250.4	251.4	252.4	252.4
17.5°	266.3	263.1	250.8	244.5	243.2	242.6	242.9	242.4	242.4	243.6	243.2
20°	287.6	282.0	257.5	243.6	239.8	239.8	239.5	238.5	238.5	238.9	238.9
22.5°	342.3	335.0	292.1	263.5	250.2	249.9	248.9	248.0	245.5	244.8	243.6
25°	418.1	409.6	336.2	305.3	286.6	286.1	281.3	280.7	274.7	275.2	271.0
27.5°	477.1	471.4	395.2	354.2	336.5	332.7	330.6	324.8	319.9	315.8	310.6
30°	497.2	496.2	454.7	421.7	395.2	390.8	384.7	382.2	375.0	369.3	365.8
32.5°	529.0	530.0	512.7	476.1	453.1	448.7	443.7	437.7	432.6	428.9	420.7
35°	574.5	574.7	562.8	535.4	508.9	502.9	500.1	493.1	488.4	483.6	479.5
37.5°	606.0	607.5	599.0	577.9	562.1	553.6	553.4	548.2	542.9	538.8	535.0
40°	666.5	657.9	629.9	616.3	603.4	602.4	599.6	596.8	598.0	595.8	600.0
42.5°	727.5	716.8	677.8	658.5	650.7	652.3	651.3	651.6	655.4	654.4	658.9
45°	779.9	767.6	730.4	707.8	714.1	715.9	721.2	724.4	722.9	728.4	728.4
47.5°	832.2	803.5	759.3	769.8	774.2	788.7	792.5	791.6	796.9	799.4	792.5
50°	795.3	787.7	784.3	816.1	836.0	840.6	846.0	848.9	851.4	847.9	841.0
52.5°	717.5	716.8	765.6	843.5	860.1	866.5	871.5	873.8	872.8	871.0	865.2
55°	691.3	686.2	728.4	815.1	840.6	846.7	853.9	858.3	862.7	862.1	857.7
57.5°	726.9	722.9	723.1	790.3	815.1	820.5	825.3	830.2	831.5	835.6	836.0
60°	830.2	824.9	781.7	789.3	814.5	820.5	821.1	823.9	824.3	826.5	826.8
62.5°	979.3	969.5	903.7	847.0	855.8	858.6	860.8	860.1	859.0	857.4	857.4
65°	1142.6	1133.4	1048.6	982.5	957.0	963.9	952.8	950.7	948.1	948.1	945.3
67.5°	1336.7	1319.3	1253.8	1179.5	1142.6	1146.0	1151.1	1131.9	1124.9	1125.6	1110.8
70°	1534.6	1516.2	1487.5	1486.7	1505.2	1497.0	1473.7	1504.6	1468.0	1459.2	1456.1
72.5°	1425.3	1403.4	1409.4	1587.5	1754.5	1781.6	1807.4	1831.4	1852.8	1865.7	1867.6
73°	1341.3	1300.0	1343.0	1552.2	1737.4	1777.5	1809.5	1835.1	1858.1	1869.8	1877.0
75°	669.9	672.1	883.2	1280.5	1518.5	1552.8	1602.8	1631.0	1672.6	1693.9	1675.1
77.5°	155.4	161.1	267.5	607.8	910.3	959.5	999.5	1040.5	1088.7	1106.6	1090.8
80°	54.9	57.3	94.2	231.0	380.1	407.1	441.4	486.5	531.3	542.3	570.1
82.5°	28.9	31.8	49.8	100.3	162.2	177.3	186.2	204.8	220.5	230.1	235.1
85°	16.7	17.0	28.4	55.4	74.4	80.4	86.0	90.4	95.5	92.0	92.0
87.5°	6.6	7.3	14.6	26.1	35.9	40.1	40.1	40.1	39.7	34.9	31.8
90°	6.2	6.7	9.7	13.3	12.6	12.6	12.3	11.7	11.3	11.7	9.9
92.5°	4.0	4.0	4.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
95°	4.9	4.9	5.9	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
97.5°	6.8	6.8	7.8	7.8	8.4	8.4	8.5	8.6	8.7	8.8	8.8
100°	7.8	7.8	8.8	9.8	10.8	11.0	11.2	11.4	11.6	11.8	12.7
102.5°	10.8	10.8	12.8	17.7	22.1	23.0	23.9	24.7	25.6	26.5	27.8
105°	20.6	21.6	26.5	35.3	41.2	42.4	43.6	44.7	45.9	47.1	48.6
107.5°	40.2	41.2	48.1	57.0	64.3	65.8	67.2	68.7	70.2	71.7	73.1

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CATALOG NUMBER: IST-AF-350-LED-E1-T4FT-7027-ULG

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	30°	31°	32°	33°	34°	35°	36°
110°	64.8	66.7	72.7	85.4	92.7	94.2	95.7	97.2	98.6	100.1	101.3
112.5°	97.2	97.2	104.0	118.8	125.1	126.4	127.6	129.0	130.3	131.5	132.4
115°	137.4	136.5	144.3	156.0	160.4	161.3	162.2	163.1	164.0	164.9	165.5
117.5°	180.6	180.6	185.5	193.3	195.8	196.3	196.8	197.3	197.8	198.3	198.5
120°	220.8	218.8	221.8	228.7	230.7	231.0	231.4	231.9	232.2	232.6	233.2
122.5°	258.2	255.2	256.2	262.0	264.0	264.4	264.8	265.2	265.6	266.0	266.5
125°	292.5	288.5	290.5	293.5	296.4	297.0	297.6	298.1	298.8	299.3	299.9
127.5°	323.9	322.9	322.9	326.8	329.8	330.4	330.9	331.6	332.1	332.7	332.8
130°	356.3	354.3	355.3	359.2	361.2	361.6	361.9	362.4	362.7	363.2	363.4
132.5°	388.7	386.7	385.7	393.5	395.1	395.3	395.6	396.0	396.2	396.5	396.6
135°	421.0	418.1	418.1	424.0	425.4	425.8	426.1	426.3	426.7	427.0	427.1
137.5°	451.5	448.5	450.5	451.5	453.5	453.8	454.3	454.6	455.0	455.4	455.8
140°	479.0	476.0	478.0	480.0	481.0	481.1	481.3	481.5	481.7	481.9	482.5
142.5°	508.4	505.5	507.5	508.4	509.9	510.1	510.5	510.8	511.0	511.3	511.8
145°	539.8	535.9	534.0	536.8	538.4	538.6	538.9	539.3	539.5	539.8	539.9
147.5°	564.3	561.4	560.5	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.5
150°	584.0	581.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0
152.5°	599.7	596.7	596.7	597.7	598.2	598.3	598.5	598.5	598.6	598.7	598.7
155°	617.3	613.5	613.5	615.4	616.9	617.1	617.5	617.8	618.0	618.3	618.1
157.5°	634.0	631.1	631.1	632.0	633.0	633.2	633.5	633.7	633.8	634.0	633.9
160°	650.7	647.8	646.8	643.8	643.4	643.3	643.2	643.1	643.0	642.8	642.8
162.5°	660.5	656.6	656.6	652.7	650.7	650.4	649.9	649.6	649.1	648.8	648.9
165°	668.4	665.5	663.5	663.5	662.1	661.7	661.4	661.2	660.8	660.5	660.5
167.5°	677.2	674.3	671.3	673.3	674.3	674.4	674.6	674.9	675.1	675.3	675.0
170°	685.0	682.2	679.2	679.2	679.7	679.7	679.8	679.9	680.1	680.2	679.9
172.5°	686.0	684.1	682.2	680.2	678.7	678.4	678.1	677.8	677.5	677.2	677.2
175°	687.0	685.0	684.1	682.2	680.2	679.7	679.4	679.0	678.6	678.2	678.1
177.5°	693.9	692.0	687.0	686.0	685.0	684.9	684.7	684.5	684.3	684.1	683.9
180°	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0



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CANDELA DISTRIBUTION (continued):

	37°	38°	39°	40°	41°	45°	55°	65°	75°	85°	90°
0°	323.0	323.0	323.0	323.0	323.0	323.0	323.0	323.0	323.0	323.0	323.0
2.5°	314.5	314.8	314.1	315.5	314.5	314.5	316.0	318.9	321.1	321.8	323.6
5°	305.6	306.0	306.0	306.3	306.0	306.6	309.5	311.9	316.3	318.6	321.4
7.5°	294.4	295.3	294.9	295.5	295.5	296.2	300.7	304.6	309.1	313.1	316.7
10°	280.7	281.3	282.7	282.0	282.0	284.0	288.6	294.6	299.9	306.0	310.1
12.5°	264.7	266.3	266.0	267.2	267.9	269.1	276.9	283.5	290.2	297.1	302.5
15°	252.1	253.1	253.6	254.0	254.0	256.7	264.7	272.8	281.7	290.0	295.5
17.5°	243.9	243.9	244.5	244.8	245.5	247.3	255.6	264.7	274.7	284.9	291.1
20°	239.2	239.2	239.5	239.8	239.8	242.0	249.5	260.0	271.0	284.0	291.5
22.5°	242.9	242.0	241.6	241.6	240.5	240.5	247.7	258.7	272.5	289.3	299.0
25°	268.8	266.0	261.6	260.6	259.0	251.4	250.4	263.1	280.1	300.9	315.8
27.5°	307.5	304.6	301.9	298.3	295.9	282.0	263.1	274.4	294.6	324.3	342.5
30°	358.2	352.6	348.5	344.7	333.7	318.6	289.3	292.1	317.0	356.6	379.7
32.5°	414.9	409.0	402.7	393.9	391.0	366.5	329.0	321.4	345.4	394.4	418.4
35°	469.8	467.0	462.5	459.1	452.5	431.9	380.6	356.6	378.2	438.9	457.6
37.5°	533.4	528.1	528.5	525.6	521.7	504.5	434.2	399.3	413.4	481.5	493.1
40°	596.1	594.9	596.8	592.1	585.8	562.5	473.6	430.4	450.3	522.5	519.6
42.5°	655.4	656.3	654.1	648.8	641.9	602.9	498.8	456.9	483.4	558.4	540.7
45°	723.1	719.7	710.6	701.0	692.6	637.4	512.3	486.5	515.2	597.1	562.1
47.5°	787.2	773.6	765.6	751.3	734.5	669.0	530.6	517.7	550.5	633.7	582.6
50°	834.1	821.5	808.3	790.6	772.9	696.4	555.0	553.0	590.5	674.6	610.7
52.5°	855.5	843.9	830.9	813.0	795.3	716.2	587.3	587.3	637.8	728.9	649.5
55°	852.0	843.5	832.2	815.8	802.3	726.9	620.8	625.1	696.9	787.5	694.2
57.5°	833.8	829.0	822.4	811.1	800.0	735.2	660.2	662.9	776.3	843.9	736.4
60°	827.5	825.5	821.8	815.1	806.7	753.0	702.0	708.3	865.2	895.5	760.3
62.5°	855.5	851.8	848.9	842.3	834.3	797.2	754.7	756.6	948.8	901.8	737.0
65°	934.2	927.3	922.6	913.8	905.0	863.7	821.8	801.3	989.8	842.9	657.9
67.5°	1099.3	1088.0	1074.6	1057.8	1033.5	996.3	888.2	807.6	952.6	714.1	519.0
70°	1425.8	1401.3	1370.1	1334.4	1325.3	1216.9	929.8	761.0	791.9	498.8	344.1
72.5°	1864.4	1838.9	1811.3	1781.9	1723.8	1485.7	911.6	613.8	492.5	256.5	163.9
73°	1871.7	1854.3	1821.0	1786.9	1739.7	1480.9	891.7	565.9	434.2	202.0	134.3
75°	1678.6	1671.6	1638.8	1573.3	1533.2	1250.9	656.8	328.0	190.0	124.8	87.2
77.5°	1089.3	1081.6	1063.1	1056.9	983.1	811.1	293.9	127.6	103.3	82.8	61.7
80°	580.5	545.1	538.8	513.7	459.8	312.3	100.5	78.2	68.7	55.4	43.2
82.5°	235.4	220.3	214.5	194.4	182.7	93.5	50.5	54.2	46.0	32.8	26.5
85°	86.7	79.7	77.8	63.3	55.8	27.8	30.9	38.1	28.7	18.2	13.3
87.5°	29.9	25.8	22.4	17.3	16.1	11.4	17.0	20.8	18.2	11.0	6.3
90°	9.8	9.4	9.1	8.6	8.8	8.2	8.7	11.7	11.9	8.7	8.2
92.5°	5.9	5.9	5.9	5.9	5.9	5.9	6.8	6.8	5.9	5.9	5.9
95°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	7.8	6.8	6.8	6.8
97.5°	8.8	8.8	8.8	8.8	8.8	8.8	11.8	9.8	8.8	7.8	7.8
100°	13.6	14.5	15.3	16.2	17.1	20.6	28.5	25.5	22.5	18.7	18.7
102.5°	29.0	30.4	31.6	32.9	34.1	39.3	49.0	46.2	41.2	38.3	37.3
105°	50.0	51.6	53.0	54.4	56.0	61.8	70.7	68.7	63.8	59.8	59.8
107.5°	74.6	76.1	77.5	79.1	80.5	86.3	93.2	92.3	88.3	85.4	84.4



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CANDELA DISTRIBUTION (continued):

	37°	38°	39°	40°	41°	45°	55°	65°	75°	85°	90°
110°	102.5	103.7	104.8	106.0	107.2	111.9	117.8	118.8	116.8	113.8	114.8
112.5°	133.3	134.2	135.0	135.9	136.8	140.3	145.3	147.2	146.2	144.3	144.3
115°	166.1	166.6	167.3	167.8	168.4	170.8	175.7	178.7	175.7	173.7	174.7
117.5°	198.9	199.2	199.4	199.7	200.1	201.2	207.1	211.0	206.1	204.2	205.2
120°	233.8	234.4	235.0	235.5	236.2	238.5	241.5	245.3	240.5	238.5	238.5
122.5°	267.2	267.8	268.3	269.0	269.5	271.8	273.8	277.8	272.8	270.9	271.8
125°	300.3	300.8	301.3	301.8	302.3	304.3	307.2	309.2	304.3	304.3	304.3
127.5°	332.9	333.0	333.1	333.2	333.3	333.7	338.6	339.6	339.6	338.6	340.5
130°	363.5	363.7	363.9	364.2	364.4	365.1	370.0	374.0	374.0	372.0	373.0
132.5°	396.7	396.8	396.9	397.1	397.1	397.5	403.4	408.3	406.3	406.3	407.3
135°	427.3	427.5	427.8	428.0	428.1	428.9	434.8	439.7	438.7	441.7	442.7
137.5°	456.2	456.6	457.0	457.3	457.8	459.3	464.2	466.2	467.2	472.1	473.0
140°	483.1	483.6	484.3	484.8	485.4	487.8	490.7	492.7	494.7	499.5	501.5
142.5°	512.1	512.6	512.9	513.3	513.7	515.3	517.2	523.2	523.2	524.1	526.0
145°	540.0	540.2	540.2	540.3	540.4	540.8	545.7	551.6	550.6	547.7	549.7
147.5°	563.6	563.7	563.8	563.9	564.0	564.3	569.3	574.2	575.2	572.2	574.2
150°	582.0	582.0	582.0	582.0	582.0	582.0	586.0	588.9	591.8	594.8	598.7
152.5°	598.7	598.7	598.7	598.7	598.7	598.7	599.7	602.7	606.5	611.5	616.3
155°	617.9	617.8	617.6	617.3	617.1	616.3	614.4	619.3	624.2	626.2	629.2
157.5°	633.8	633.8	633.7	633.6	633.5	633.0	632.0	636.0	638.0	638.0	642.8
160°	642.8	642.8	642.8	642.8	642.8	642.8	645.8	651.7	648.8	647.8	653.7
162.5°	649.1	649.4	649.6	649.7	649.9	650.7	654.7	658.5	657.6	655.7	661.5
165°	660.5	660.5	660.5	660.5	660.5	660.5	659.5	664.5	667.4	665.5	669.3
167.5°	674.6	674.4	674.1	673.8	673.5	672.3	665.5	671.3	675.3	675.3	681.2
170°	679.7	679.6	679.4	679.2	679.0	678.2	673.3	676.2	681.2	683.1	688.0
172.5°	677.2	677.2	677.2	677.2	677.2	677.2	676.2	679.2	681.2	683.1	688.0
175°	678.0	678.0	677.8	677.7	677.6	677.2	677.2	682.2	683.1	681.2	686.0
177.5°	683.7	683.5	683.3	683.1	682.9	682.2	681.2	686.0	688.0	685.0	689.0
180°	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	323.0	323.0	323.0	323.0	323.0	323.0	323.0	323.0	323.0	323.0
2.5°	324.3	325.5	328.0	329.9	331.5	333.7	334.3	335.6	334.0	335.9
5°	323.0	326.7	331.5	335.9	340.0	343.4	344.9	345.4	345.7	346.9
7.5°	319.9	325.5	333.0	339.0	345.4	347.6	348.5	348.8	346.6	347.6
10°	313.5	322.6	332.1	339.4	342.5	341.0	338.4	334.3	332.5	332.5
12.5°	306.6	318.3	329.3	333.5	330.6	324.6	317.6	310.1	307.2	307.2
15°	300.9	315.8	324.8	322.0	313.9	302.5	293.0	285.1	282.7	281.7
17.5°	297.8	314.5	317.9	309.1	295.3	281.1	271.6	265.0	262.8	262.8
20°	300.3	315.8	310.1	293.7	276.4	263.5	255.2	250.8	248.7	249.5
22.5°	311.0	320.4	303.1	278.6	257.5	246.4	242.6	239.8	239.5	240.0
25°	329.0	326.7	297.1	262.8	239.8	231.9	231.7	230.7	230.3	230.1
27.5°	352.2	334.6	290.0	245.1	222.2	218.4	220.3	219.9	219.6	219.9
30°	383.1	341.5	279.1	225.9	205.4	205.4	208.2	207.3	206.1	206.4
32.5°	411.9	346.6	262.8	204.5	192.1	192.9	193.8	191.2	188.1	188.7
35°	436.4	346.6	240.7	185.3	178.7	178.7	179.3	177.1	174.6	173.6
37.5°	456.9	339.6	213.0	170.8	167.6	167.6	170.2	167.9	163.2	162.2
40°	469.2	324.6	187.5	160.1	162.2	162.6	159.1	155.4	150.9	149.9
42.5°	477.1	302.5	167.4	152.5	158.8	156.2	148.1	142.1	141.8	143.1
45°	484.0	277.6	151.3	145.0	155.0	149.7	138.7	132.9	134.8	136.1
47.5°	490.9	252.7	138.2	136.5	148.1	144.3	132.7	126.3	125.4	127.3
50°	507.4	218.1	123.4	126.3	139.6	138.2	127.3	120.0	114.1	113.7
52.5°	529.4	171.8	110.9	117.5	132.9	134.8	121.3	114.4	106.2	104.9
55°	554.0	131.7	100.5	110.6	126.8	129.9	119.1	108.8	99.9	98.6
57.5°	561.2	103.9	90.8	100.8	118.1	125.1	115.6	102.0	95.5	94.2
60°	536.3	86.3	82.6	92.6	109.6	120.4	110.3	97.1	91.1	90.1
62.5°	460.3	76.3	78.2	87.2	103.3	115.9	106.2	93.2	88.6	87.9
65°	351.3	69.3	74.4	82.8	97.6	111.9	103.3	91.6	87.9	87.2
67.5°	220.5	64.3	70.6	78.2	92.0	107.4	101.1	89.8	87.0	86.0
70°	122.3	58.9	65.6	72.9	86.3	103.3	98.4	87.0	86.7	84.8
72.5°	74.4	53.3	60.2	67.1	79.9	98.4	93.2	83.5	80.4	76.5
73°	70.9	52.6	58.9	65.8	78.4	97.1	92.3	82.3	79.1	75.3
75°	57.3	47.3	53.9	59.8	72.9	92.0	87.0	77.8	72.9	70.0
77.5°	42.2	40.3	46.6	52.3	65.6	85.1	79.4	71.2	65.3	63.7
80°	31.2	33.3	39.3	44.5	57.7	78.2	71.5	63.7	59.8	58.0
82.5°	21.1	25.8	31.5	35.7	51.0	70.6	63.3	55.8	58.3	48.5
85°	12.3	18.0	22.6	27.8	41.0	63.0	55.2	47.6	41.6	37.5
87.5°	8.2	10.2	13.8	19.0	29.6	49.5	43.7	37.2	27.1	27.1
90°	7.8	10.2	10.7	9.1	11.0	28.9	22.4	24.3	8.1	7.7
92.5°	5.9	5.9	6.8	6.8	5.9	5.9	5.9	4.9	4.0	4.0
95°	6.8	6.8	7.8	6.8	6.8	6.8	6.8	5.9	4.9	4.9
97.5°	7.8	8.8	9.8	11.8	8.8	8.8	7.8	7.8	6.8	6.8
100°	18.7	22.5	25.5	28.5	20.6	11.8	9.8	8.8	7.8	7.8
102.5°	38.3	41.2	46.2	49.0	39.3	26.5	17.7	12.8	10.8	10.8
105°	59.8	63.8	68.7	70.7	61.8	47.1	35.3	26.5	21.6	20.6
107.5°	85.4	88.3	92.3	93.2	86.3	71.7	57.0	48.1	41.2	40.2



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	113.8	116.8	118.8	117.8	111.9	100.1	85.4	72.7	66.7	64.8
112.5°	144.3	146.2	147.2	145.3	140.3	131.5	118.8	104.0	97.2	97.2
115°	173.7	175.7	178.7	175.7	170.8	164.9	156.0	144.3	136.5	137.4
117.5°	204.2	206.1	211.0	207.1	201.2	198.3	193.3	185.5	180.6	180.6
120°	238.5	240.5	245.3	241.5	238.5	232.6	228.7	221.8	218.8	220.8
122.5°	270.9	272.8	277.8	273.8	271.8	266.0	262.0	256.2	255.2	258.2
125°	304.3	304.3	309.2	307.2	304.3	299.3	293.5	290.5	288.5	292.5
127.5°	338.6	339.6	339.6	338.6	333.7	332.7	326.8	322.9	322.9	323.9
130°	372.0	374.0	374.0	370.0	365.1	363.2	359.2	355.3	354.3	356.3
132.5°	406.3	406.3	408.3	403.4	397.5	396.5	393.5	385.7	386.7	388.7
135°	441.7	438.7	439.7	434.8	428.9	427.0	424.0	418.1	418.1	421.0
137.5°	472.1	467.2	466.2	464.2	459.3	455.4	451.5	450.5	448.5	451.5
140°	499.5	494.7	492.7	490.7	487.8	481.9	480.0	478.0	476.0	479.0
142.5°	524.1	523.2	523.2	517.2	515.3	511.3	508.4	507.5	505.5	508.4
145°	547.7	550.6	551.6	545.7	540.8	539.8	536.8	534.0	535.9	539.8
147.5°	572.2	575.2	574.2	569.3	564.3	563.3	563.3	560.5	561.4	564.3
150°	594.8	591.8	588.9	586.0	582.0	582.0	582.0	582.0	581.0	584.0
152.5°	611.5	606.5	602.7	599.7	598.7	598.7	597.7	596.7	596.7	599.7
155°	626.2	624.2	619.3	614.4	616.3	618.3	615.4	613.5	613.5	617.3
157.5°	638.0	638.0	636.0	632.0	633.0	634.0	632.0	631.1	631.1	634.0
160°	647.8	648.8	651.7	645.8	642.8	642.8	643.8	646.8	647.8	650.7
162.5°	655.7	657.6	658.5	654.7	650.7	648.8	652.7	656.6	656.6	660.5
165°	665.5	667.4	664.5	659.5	660.5	660.5	663.5	663.5	665.5	668.4
167.5°	675.3	675.3	671.3	665.5	672.3	675.3	673.3	671.3	674.3	677.2
170°	683.1	681.2	676.2	673.3	678.2	680.2	679.2	679.2	682.2	685.0
172.5°	683.1	681.2	679.2	676.2	677.2	677.2	680.2	682.2	684.1	686.0
175°	681.2	683.1	682.2	677.2	677.2	678.2	682.2	684.1	685.0	687.0
177.5°	685.0	688.0	686.0	681.2	682.2	684.1	686.0	687.0	692.0	693.9
180°	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0

(END OF REPORT)