

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: P226564

Luminaire Tested: **IST-AF-600-LED-E1-T4FT-7030-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P226564
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-600-LED-E1-T4FT-7030-ULG
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE WITH UPLIGHT
LIGHT SQUARE WITH ACCULED OPTICS-TYPE IV FORWARD THROW, WITH UPLIGHT GLOW
Light Source: (16) 3000K CCT, 70 CRI LEDs and (1) UPLIGHT LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5406.4 lumens
Efficiency: N/A
Efficacy: 107.3 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): 50.4
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

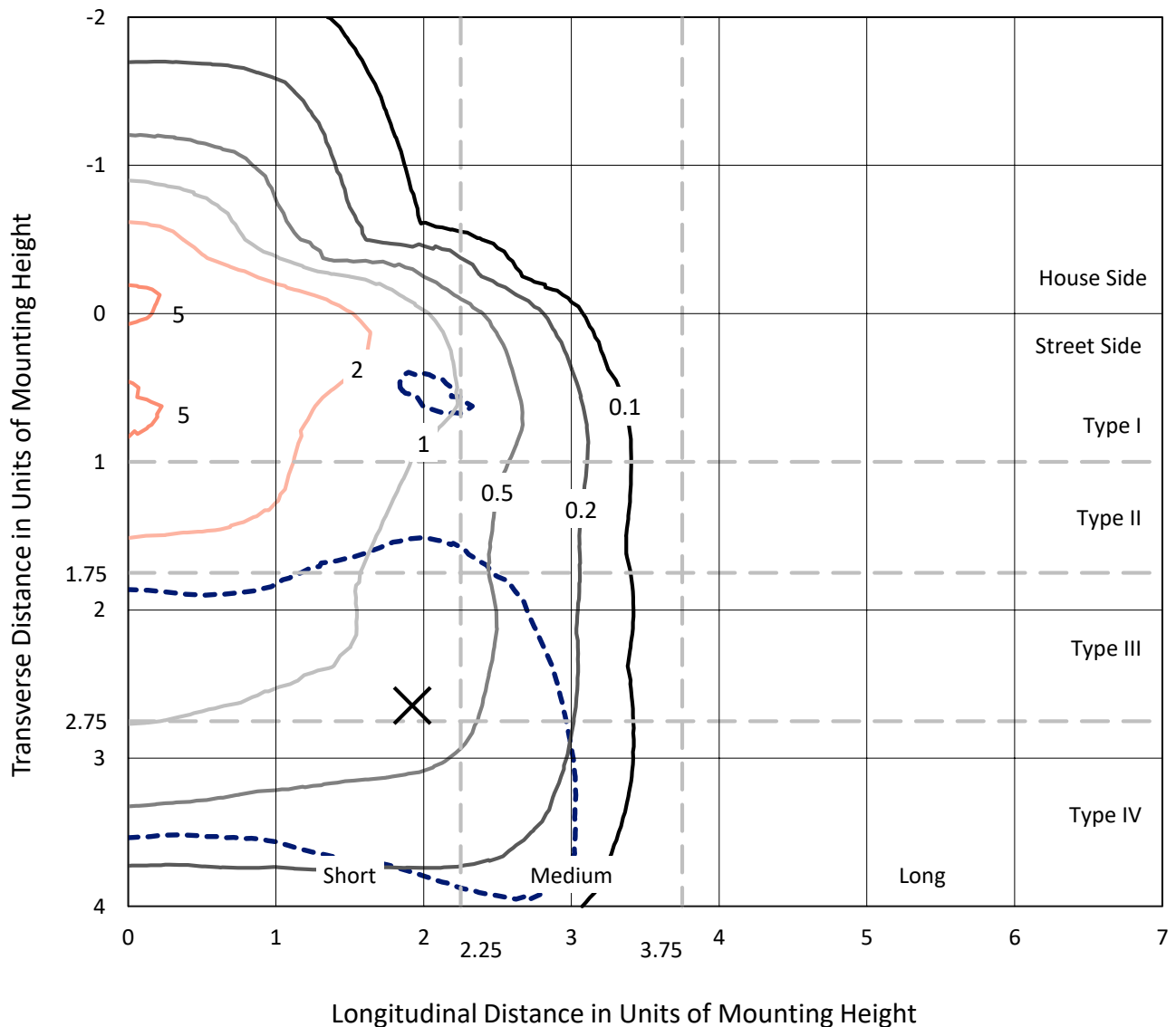


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Iso-Footcandle Lines of Horizontal Illumination

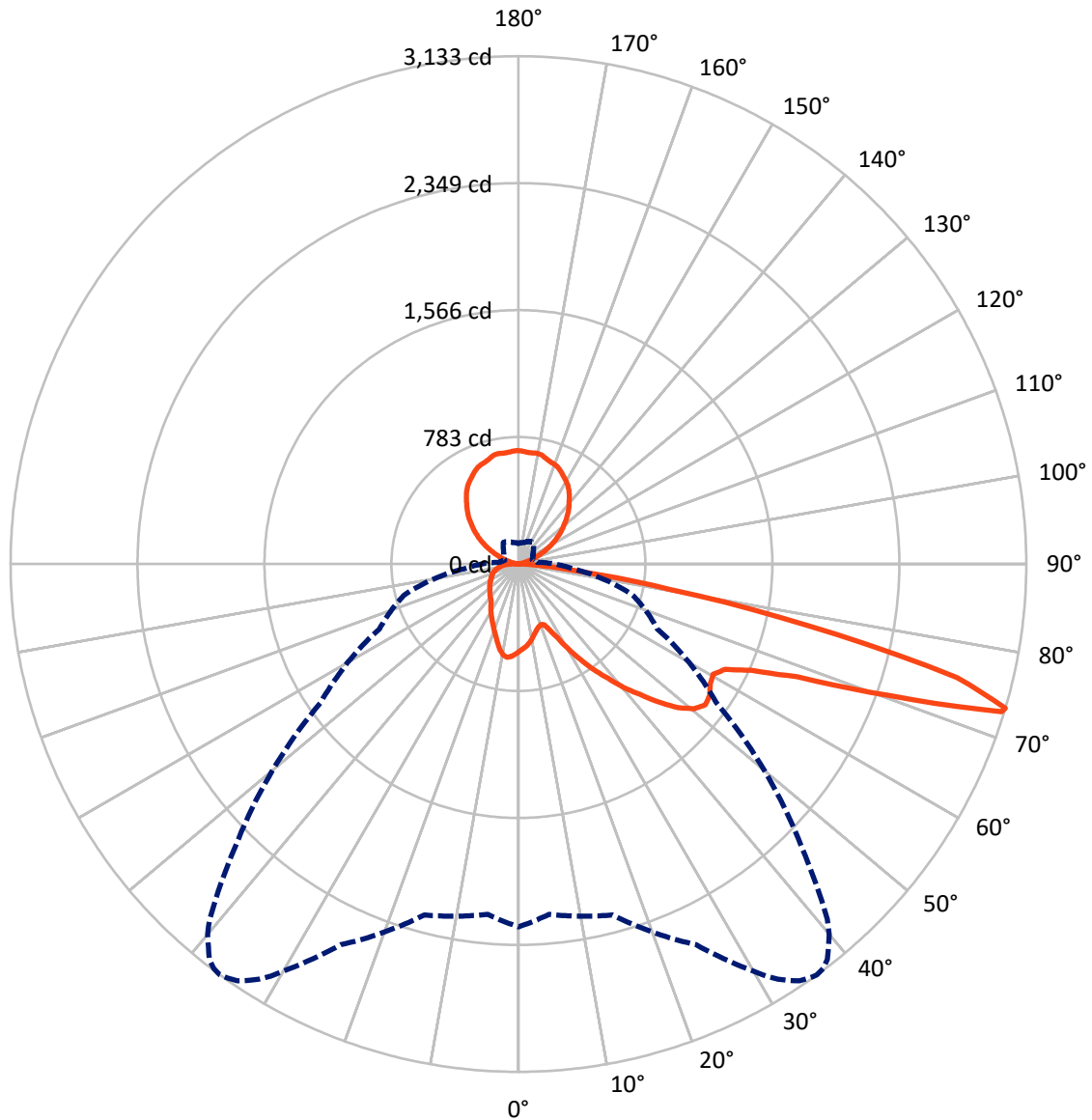
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.7 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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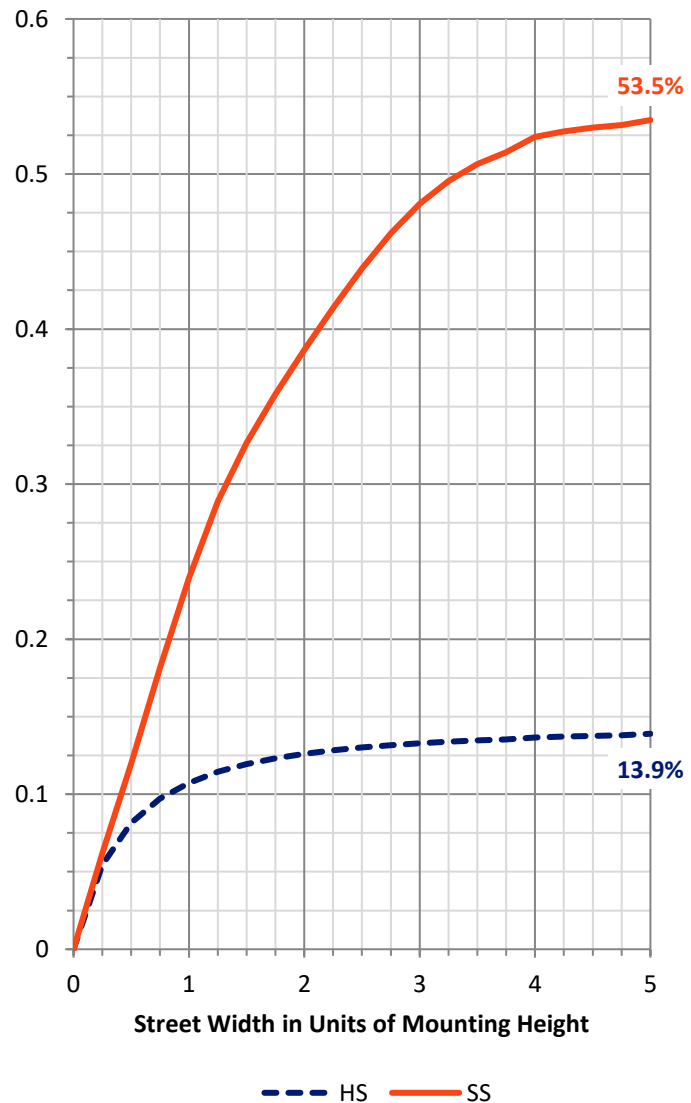
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	774.4	868.4	1642.8
	% Fixture	14.3	16.1	30.4
Street Side	Lumens	2895.7	867.9	3763.5
	% Fixture	53.6	16.1	69.6
Total	Lumens	3670.1	1736.3	5406.4
	% Fixture	67.9	32.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.7	0.9
10°-20°	134.5	2.5
20°-30°	220.3	4.1
30°-40°	365.1	6.8
40°-50°	536.5	9.9
50°-60°	676.5	12.5
60°-70°	885.9	16.4
70°-80°	717.1	13.3
80°-90°	83.5	1.5
90°-100°	10.4	0.2
100°-110°	57.4	1.1
110°-120°	166.1	3.1
120°-130°	273.2	5.1
130°-140°	336.8	6.2
140°-150°	344.6	6.4
150°-160°	290.3	5.4
160°-170°	191.2	3.5
170°-180°	66.3	1.2
0°-90°	3670.1	67.9
0°-180°	5406.4	100.0



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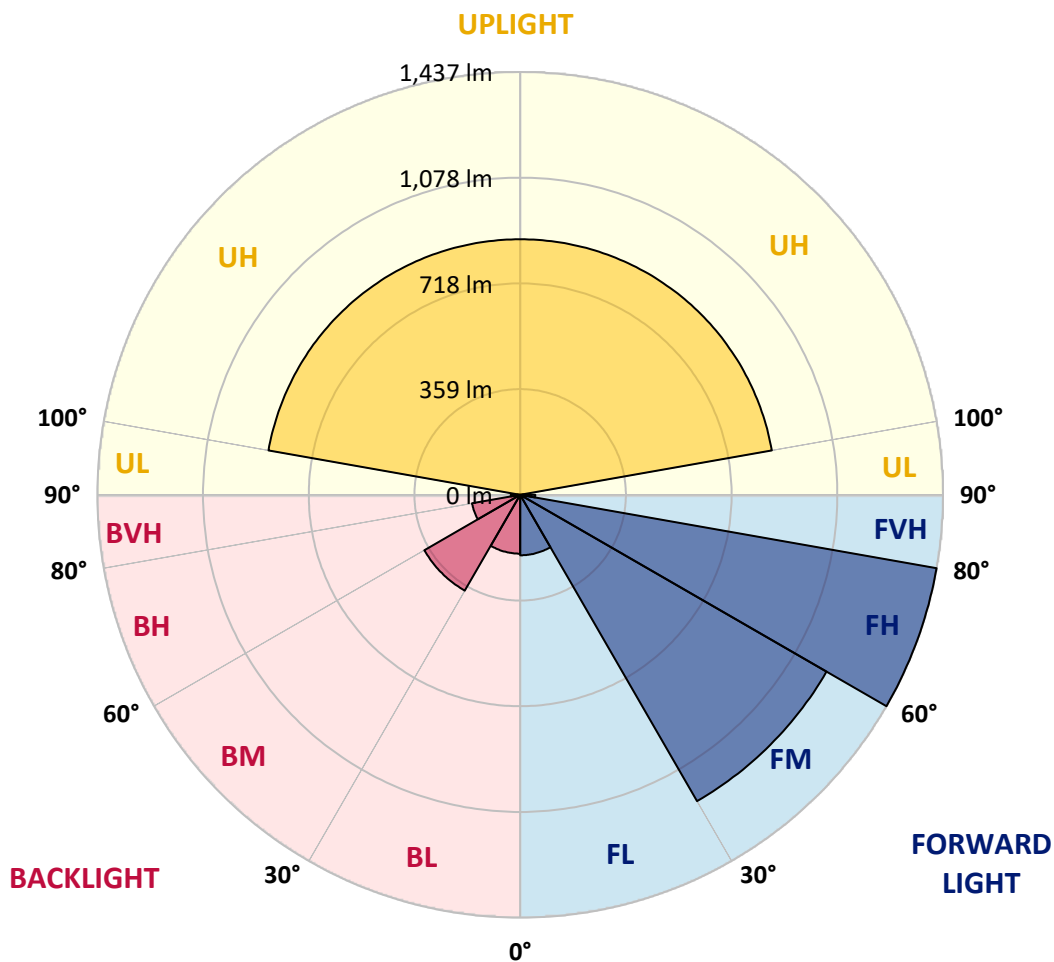
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	205.5	3.8			
FM (30°-60°)	1201.9	22.2			
FH (60°-80°)	1436.9	26.6			G1/1800
FVH (80°-90°)	51.4	1.0			G1/100
BL (0°-30°)	200.1	3.7	B1/500		
BM (30°-60°)	376.1	7.0	B1/1000		
BH (60°-80°)	166.1	3.1	B1/500		G1/500
BVH (80°-90°)	32.1	0.6			G1/100
UL (90°-100°)	10.4	0.2		U2/50	
UH (100°-180°)	868.4	16.1		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°	539.0	539.0	539.0	539.0	539.0	539.0	539.0	539.0	539.0	539.0	539.0
2.5°	519.6	520.6	521.7	521.7	521.7	523.2	522.7	522.7	523.2	523.8	523.8
5°	500.1	500.6	503.8	504.8	508.0	507.5	507.5	507.5	509.6	508.0	509.0
7.5°	478.0	479.1	482.2	485.9	488.5	489.1	488.5	487.5	490.1	491.2	490.1
10°	451.7	452.2	456.5	459.6	463.8	463.3	464.9	464.9	465.9	465.4	467.5
12.5°	438.6	437.5	435.4	437.0	438.0	438.0	438.0	439.6	439.1	440.2	441.7
15°	437.0	434.4	423.8	420.2	419.1	419.1	418.6	418.1	419.6	421.2	421.2
17.5°	444.4	439.1	418.6	408.1	406.0	404.9	405.4	404.4	404.4	406.5	406.0
20°	480.1	470.7	429.6	406.5	400.2	400.2	399.7	398.1	398.1	398.6	398.6
22.5°	571.1	559.0	487.5	439.6	417.5	417.0	415.4	413.9	409.7	408.6	406.5
25°	697.8	683.6	561.1	509.6	478.5	477.5	469.6	468.5	458.6	459.1	452.2
27.5°	796.2	786.7	659.4	591.1	561.6	555.3	551.6	542.2	533.8	526.9	518.5
30°	829.8	828.2	758.8	703.6	659.4	652.1	642.1	637.9	625.8	616.3	610.5
32.5°	882.9	884.5	855.6	794.6	756.2	748.8	740.4	730.4	722.0	715.7	702.0
35°	958.7	959.2	939.2	893.4	849.3	839.3	834.6	823.0	815.1	807.2	800.4
37.5°	1011.2	1013.9	999.7	964.4	938.1	923.9	923.4	915.0	906.1	899.2	892.9
40°	1112.2	1098.0	1051.2	1028.6	1007.0	1005.5	1000.7	996.0	998.1	994.4	1001.3
42.5°	1214.2	1196.3	1131.1	1099.1	1085.9	1088.5	1087.0	1087.5	1093.8	1092.2	1099.6
45°	1301.5	1281.0	1219.0	1181.1	1191.6	1194.8	1203.7	1209.0	1206.3	1215.8	1215.8
47.5°	1388.8	1341.0	1267.3	1284.7	1292.1	1316.2	1322.6	1321.0	1329.9	1334.1	1322.6
50°	1327.3	1314.7	1308.9	1362.0	1395.1	1403.0	1412.0	1416.7	1420.9	1415.1	1403.5
52.5°	1197.4	1196.3	1277.9	1407.7	1435.6	1446.1	1454.5	1458.2	1456.7	1453.5	1444.0
55°	1153.8	1145.3	1215.8	1360.4	1403.0	1413.0	1425.1	1432.5	1439.8	1438.8	1431.4
57.5°	1213.2	1206.3	1206.9	1318.9	1360.4	1369.4	1377.2	1385.7	1387.8	1394.6	1395.1
60°	1385.7	1376.7	1304.7	1317.3	1359.4	1369.4	1370.4	1375.1	1375.7	1379.3	1379.9
62.5°	1634.4	1618.1	1508.2	1413.5	1428.3	1433.0	1436.7	1435.6	1433.5	1430.9	1430.9
65°	1906.8	1891.5	1750.1	1639.7	1597.1	1608.6	1590.2	1586.5	1582.3	1582.3	1577.6
67.5°	2230.7	2201.8	2092.4	1968.3	1906.8	1912.6	1921.0	1888.9	1877.3	1878.4	1853.7
70°	2561.0	2530.5	2482.6	2481.0	2512.1	2498.4	2459.5	2511.0	2450.0	2435.3	2430.0
72.5°	2378.5	2342.2	2352.2	2649.3	2928.0	2973.3	3016.4	3056.3	3092.1	3113.7	3116.8
73°	2238.6	2169.7	2241.2	2590.4	2899.6	2966.4	3020.1	3062.7	3101.0	3120.5	3132.6
75°	1118.0	1121.7	1474.0	2137.1	2534.2	2591.5	2675.1	2721.9	2791.3	2827.1	2795.5
77.5°	259.3	268.7	446.5	1014.4	1519.2	1601.3	1668.1	1736.4	1816.9	1846.8	1820.6
80°	91.5	95.7	157.2	385.5	634.2	679.4	736.7	811.9	886.6	905.0	951.3
82.5°	48.4	53.1	83.1	167.2	270.8	296.1	310.8	341.8	368.1	383.9	392.3
85°	27.9	28.4	47.3	92.6	124.1	134.1	143.6	150.9	159.3	153.6	153.6
87.5°	11.0	12.1	24.2	43.6	59.9	66.8	66.8	66.8	66.3	58.4	53.1
90°	7.1	8.2	11.7	16.9	15.9	15.9	15.4	14.3	13.8	14.3	11.6
92.5°	4.0	4.0	5.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
95°	5.0	5.0	6.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
97.5°	7.0	7.0	8.0	8.0	8.5	8.6	8.7	8.8	8.9	9.0	9.0
100°	8.0	8.0	9.0	10.0	11.0	11.2	11.4	11.6	11.8	12.0	12.9
102.5°	11.0	11.0	13.0	18.0	22.5	23.4	24.3	25.2	26.1	27.0	28.3
105°	21.0	22.0	27.0	36.0	42.0	43.2	44.4	45.6	46.8	48.0	49.5
107.5°	41.0	42.0	49.0	58.0	65.5	67.0	68.5	70.0	71.5	73.0	74.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	30°	31°	32°	33°	34°	35°	36°
110°	66.0	68.0	74.0	87.0	94.5	96.0	97.5	99.0	100.5	102.0	103.2
112.5°	99.0	99.0	106.0	121.0	127.5	128.8	130.1	131.4	132.7	134.0	134.9
115°	140.0	139.0	147.0	159.0	163.5	164.4	165.3	166.2	167.1	168.0	168.6
117.5°	184.0	184.0	189.0	197.0	199.5	200.0	200.5	201.0	201.5	202.0	202.3
120°	225.0	223.0	226.0	233.0	235.0	235.4	235.8	236.2	236.6	237.0	237.6
122.5°	263.0	260.0	261.0	267.0	269.0	269.4	269.8	270.2	270.6	271.0	271.6
125°	298.0	294.0	296.0	299.0	302.0	302.6	303.2	303.8	304.4	305.0	305.5
127.5°	330.0	329.0	329.0	333.0	336.0	336.6	337.2	337.8	338.4	339.0	339.1
130°	363.0	361.0	362.0	366.0	368.0	368.4	368.8	369.2	369.6	370.0	370.2
132.5°	396.0	394.0	393.0	401.0	402.5	402.8	403.1	403.4	403.7	404.0	404.1
135°	429.0	426.0	426.0	432.0	433.5	433.8	434.1	434.4	434.7	435.0	435.2
137.5°	460.0	457.0	459.0	460.0	462.0	462.4	462.8	463.2	463.6	464.0	464.4
140°	488.0	485.0	487.0	489.0	490.0	490.2	490.4	490.6	490.8	491.0	491.6
142.5°	518.0	515.0	517.0	518.0	519.5	519.8	520.1	520.4	520.7	521.0	521.4
145°	550.0	546.0	544.0	547.0	548.5	548.8	549.1	549.4	549.7	550.0	550.1
147.5°	575.0	572.0	571.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.1
150°	595.0	592.0	593.0	593.0	593.0	593.0	593.0	593.0	593.0	593.0	593.0
152.5°	611.0	608.0	608.0	609.0	609.5	609.6	609.7	609.8	609.8	609.9	610.0
155°	629.0	625.0	625.0	627.0	628.5	628.8	629.1	629.4	629.7	630.0	629.8
157.5°	646.0	643.0	643.0	644.0	645.0	645.2	645.4	645.6	645.8	646.0	645.9
160°	663.0	660.0	659.0	656.0	655.5	655.4	655.3	655.2	655.1	655.0	655.0
162.5°	673.0	669.0	669.0	665.0	663.0	662.6	662.2	661.8	661.4	661.0	661.2
165°	681.0	678.0	676.0	676.0	674.5	674.2	673.9	673.6	673.3	673.0	673.0
167.5°	690.0	687.0	684.0	686.0	687.0	687.2	687.4	687.6	687.8	688.0	687.7
170°	698.0	695.0	692.0	692.0	692.5	692.6	692.7	692.8	692.9	693.0	692.8
172.5°	699.0	697.0	695.0	693.0	691.5	691.2	690.9	690.6	690.3	690.0	690.0
175°	700.0	698.0	697.0	695.0	693.0	692.6	692.2	691.8	691.4	691.0	690.9
177.5°	707.0	705.0	700.0	699.0	698.0	697.8	697.6	697.4	697.2	697.0	696.8
180°	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0



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CANDELA DISTRIBUTION (continued):

	37°	38°	39°	40°	41°	45°	55°	65°	75°	85°	90°
0°	539.0	539.0	539.0	539.0	539.0	539.0	539.0	539.0	539.0	539.0	539.0
2.5°	524.8	525.3	524.3	526.4	524.8	524.8	527.4	532.2	535.9	536.9	540.1
5°	510.1	510.6	510.6	511.1	510.6	511.7	516.4	520.6	528.0	531.7	536.4
7.5°	491.2	492.7	492.2	493.3	493.3	494.3	501.7	508.5	515.9	522.7	528.5
10°	468.5	469.6	471.7	470.7	470.7	473.8	481.7	491.7	500.6	510.6	517.5
12.5°	441.7	444.4	443.8	445.9	447.0	449.1	462.2	473.3	484.3	495.9	504.8
15°	420.7	422.3	423.3	423.8	423.8	428.6	441.7	455.4	470.1	483.8	493.3
17.5°	407.0	407.0	408.1	408.6	409.7	412.8	426.5	441.7	458.6	475.4	485.9
20°	399.1	399.1	399.7	400.2	400.2	403.9	416.5	433.8	452.2	473.8	486.4
22.5°	405.4	403.9	403.3	403.3	401.2	401.2	413.3	431.7	454.9	482.7	499.0
25°	448.6	443.8	436.5	434.9	432.3	419.6	418.1	439.1	467.5	502.2	526.9
27.5°	513.2	508.5	503.8	498.0	493.8	470.7	439.1	458.0	491.7	541.1	571.6
30°	597.9	588.4	581.6	575.3	556.9	531.7	482.7	487.5	529.0	595.3	633.7
32.5°	692.6	682.6	672.1	657.3	652.6	611.6	549.0	536.4	576.4	658.4	698.4
35°	784.1	779.3	772.0	766.2	755.1	721.0	635.2	595.3	631.0	732.5	763.6
37.5°	890.3	881.4	881.9	877.1	870.8	841.9	724.6	666.3	689.9	803.5	823.0
40°	994.9	992.8	996.0	988.1	977.6	938.7	790.4	718.3	751.5	871.9	867.2
42.5°	1093.8	1095.4	1091.7	1082.8	1071.2	1006.0	832.4	762.5	806.7	931.8	902.4
45°	1206.9	1201.1	1185.8	1170.1	1155.9	1063.8	855.1	811.9	859.8	996.5	938.1
47.5°	1313.6	1291.0	1277.9	1253.7	1225.8	1116.4	885.6	864.0	918.7	1057.5	972.3
50°	1392.0	1370.9	1348.8	1319.4	1290.0	1162.2	926.1	922.9	985.5	1125.9	1019.1
52.5°	1427.7	1408.3	1386.7	1356.7	1327.3	1195.3	980.2	980.2	1064.4	1216.3	1083.8
55°	1421.9	1407.7	1388.8	1361.5	1338.9	1213.2	1036.0	1043.3	1163.2	1314.1	1158.5
57.5°	1391.4	1383.6	1372.5	1353.6	1335.2	1226.8	1101.7	1106.4	1295.7	1408.3	1229.0
60°	1380.9	1377.8	1371.5	1360.4	1346.2	1256.8	1171.6	1182.1	1444.0	1494.5	1268.9
62.5°	1427.7	1421.4	1416.7	1405.6	1392.5	1330.4	1259.5	1262.6	1583.4	1505.0	1230.0
65°	1559.2	1547.6	1539.7	1525.0	1510.3	1441.4	1371.5	1337.3	1651.7	1406.7	1098.0
67.5°	1834.8	1815.8	1793.2	1765.3	1724.8	1662.8	1482.4	1347.8	1589.7	1191.6	866.1
70°	2379.5	2338.5	2286.5	2227.0	2211.8	2030.9	1551.8	1270.0	1321.5	832.4	574.2
72.5°	3111.6	3069.0	3022.7	2973.8	2877.0	2479.5	1521.3	1024.4	821.9	428.1	273.5
73°	3123.7	3094.7	3039.0	2982.2	2903.3	2471.6	1488.2	944.5	724.6	337.1	224.0
75°	2801.3	2789.7	2735.0	2625.7	2558.9	2087.7	1095.9	547.4	317.1	208.2	145.7
77.5°	1817.9	1805.3	1774.3	1763.8	1640.7	1353.6	490.6	213.0	172.5	138.3	103.1
80°	968.6	909.8	899.2	857.2	767.2	521.1	167.8	130.4	114.6	92.6	72.0
82.5°	392.8	367.6	358.1	324.5	305.0	156.2	84.1	90.4	76.8	54.7	44.2
85°	144.6	133.0	129.9	105.7	93.1	46.3	51.5	63.6	47.9	30.5	22.1
87.5°	50.0	43.1	37.3	28.9	26.8	18.9	28.4	34.7	30.5	18.4	10.5
90°	11.5	10.9	10.2	9.6	10.0	9.1	10.2	13.7	14.3	10.2	9.1
92.5°	6.0	6.0	6.0	6.0	6.0	6.0	7.0	7.0	6.0	6.0	6.0
95°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	8.0	7.0	7.0	7.0
97.5°	9.0	9.0	9.0	9.0	9.0	9.0	12.0	10.0	9.0	8.0	8.0
100°	13.8	14.7	15.6	16.5	17.4	21.0	29.0	26.0	23.0	19.0	19.0
102.5°	29.6	30.9	32.2	33.5	34.8	40.0	50.0	47.0	42.0	39.0	38.0
105°	51.0	52.5	54.0	55.5	57.0	63.0	72.0	70.0	65.0	61.0	61.0
107.5°	76.0	77.5	79.0	80.5	82.0	88.0	95.0	94.0	90.0	87.0	86.0



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CANDELA DISTRIBUTION (continued):

	37°	38°	39°	40°	41°	45°	55°	65°	75°	85°	90°
110°	104.4	105.6	106.8	108.0	109.2	114.0	120.0	121.0	119.0	116.0	117.0
112.5°	135.8	136.7	137.6	138.5	139.4	143.0	148.0	150.0	149.0	147.0	147.0
115°	169.2	169.8	170.4	171.0	171.6	174.0	179.0	182.0	179.0	177.0	178.0
117.5°	202.6	202.9	203.2	203.5	203.8	205.0	211.0	215.0	210.0	208.0	209.0
120°	238.2	238.8	239.4	240.0	240.6	243.0	246.0	250.0	245.0	243.0	243.0
122.5°	272.2	272.8	273.4	274.0	274.6	277.0	279.0	283.0	278.0	276.0	277.0
125°	306.0	306.5	307.0	307.5	308.0	310.0	313.0	315.0	310.0	310.0	310.0
127.5°	339.2	339.3	339.4	339.5	339.6	340.0	345.0	346.0	346.0	345.0	347.0
130°	370.4	370.6	370.8	371.0	371.2	372.0	377.0	381.0	381.0	379.0	380.0
132.5°	404.2	404.3	404.4	404.5	404.6	405.0	411.0	416.0	414.0	414.0	415.0
135°	435.4	435.6	435.8	436.0	436.2	437.0	443.0	448.0	447.0	450.0	451.0
137.5°	464.8	465.2	465.6	466.0	466.4	468.0	473.0	475.0	476.0	481.0	482.0
140°	492.2	492.8	493.4	494.0	494.6	497.0	500.0	502.0	504.0	509.0	511.0
142.5°	521.8	522.2	522.6	523.0	523.4	525.0	527.0	533.0	533.0	534.0	536.0
145°	550.2	550.3	550.4	550.5	550.6	551.0	556.0	562.0	561.0	558.0	560.0
147.5°	574.2	574.3	574.4	574.5	574.6	575.0	580.0	585.0	586.0	583.0	585.0
150°	593.0	593.0	593.0	593.0	593.0	593.0	597.0	600.0	603.0	606.0	610.0
152.5°	610.0	610.0	610.0	610.0	610.0	610.0	611.0	614.0	618.0	623.0	628.0
155°	629.6	629.4	629.2	629.0	628.8	628.0	626.0	631.0	636.0	638.0	641.0
157.5°	645.8	645.7	645.6	645.5	645.4	645.0	644.0	648.0	650.0	650.0	655.0
160°	655.0	655.0	655.0	655.0	655.0	655.0	658.0	664.0	661.0	660.0	666.0
162.5°	661.4	661.6	661.8	662.0	662.2	663.0	667.0	671.0	670.0	668.0	674.0
165°	673.0	673.0	673.0	673.0	673.0	673.0	672.0	677.0	680.0	678.0	682.0
167.5°	687.4	687.1	686.8	686.5	686.2	685.0	678.0	684.0	688.0	688.0	694.0
170°	692.6	692.4	692.2	692.0	691.8	691.0	686.0	689.0	694.0	696.0	701.0
172.5°	690.0	690.0	690.0	690.0	690.0	690.0	689.0	692.0	694.0	696.0	701.0
175°	690.8	690.7	690.6	690.5	690.4	690.0	690.0	695.0	696.0	694.0	699.0
177.5°	696.6	696.4	696.2	696.0	695.8	695.0	694.0	699.0	701.0	698.0	702.0
180°	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0



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CATALOG NUMBER: IST-AF-600-LED-E1-T4FT-7030-ULG

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	539.0	539.0	539.0	539.0	539.0	539.0	539.0	539.0	539.0	539.0
2.5°	541.1	543.2	547.4	550.6	553.2	556.9	557.9	560.0	557.4	560.6
5°	539.0	545.3	553.2	560.6	567.4	573.2	575.8	576.4	576.9	579.0
7.5°	533.8	543.2	555.8	565.8	576.4	580.0	581.6	582.1	578.5	580.0
10°	523.2	538.5	554.3	566.4	571.6	569.0	564.8	557.9	554.8	554.8
12.5°	511.7	531.1	549.5	556.4	551.6	541.6	530.1	517.5	512.7	512.7
15°	502.2	526.9	542.2	537.4	523.8	504.8	489.1	475.9	471.7	470.1
17.5°	496.9	524.8	530.6	515.9	492.7	469.1	453.3	442.3	438.6	438.6
20°	501.2	526.9	517.5	490.1	461.2	439.6	426.0	418.6	414.9	416.5
22.5°	519.0	534.8	505.9	464.9	429.6	411.2	404.9	400.2	399.7	400.7
25°	549.0	545.3	495.9	438.6	400.2	387.0	386.5	384.9	384.4	383.9
27.5°	587.9	558.5	483.8	409.1	370.7	364.4	367.6	367.1	366.5	367.1
30°	639.5	570.0	465.9	377.0	342.9	342.9	347.6	346.0	343.9	344.4
32.5°	687.3	578.5	438.6	341.3	320.8	321.8	323.4	319.2	313.9	315.0
35°	728.3	578.5	401.8	309.2	298.2	298.2	299.2	295.5	291.3	289.8
37.5°	762.5	566.9	355.5	285.0	279.8	279.8	284.0	280.3	272.4	270.8
40°	783.0	541.6	312.9	267.1	270.8	271.3	265.6	259.3	251.9	250.3
42.5°	796.2	504.8	279.2	254.5	265.0	260.8	247.2	237.2	236.6	238.7
45°	807.7	463.3	252.4	241.9	258.7	249.8	231.4	221.9	225.1	227.2
47.5°	819.3	421.7	230.9	227.7	247.2	240.8	221.4	210.9	209.3	212.5
50°	846.6	363.9	206.1	210.9	233.0	230.9	212.5	200.4	190.4	189.8
52.5°	883.5	286.6	185.1	196.1	221.9	225.1	202.5	190.9	177.2	175.1
55°	924.5	219.8	167.8	184.6	211.4	216.7	198.8	181.4	166.7	164.6
57.5°	936.6	173.5	151.4	168.3	197.2	208.8	193.0	170.4	159.3	157.2
60°	895.0	144.1	137.8	154.6	183.0	200.9	184.1	162.0	152.0	150.4
62.5°	768.3	127.3	130.4	145.7	172.5	193.5	177.2	155.7	147.8	146.7
65°	586.3	115.7	124.1	138.3	163.0	186.7	172.5	153.0	146.7	145.7
67.5°	368.1	107.3	117.8	130.4	153.6	179.3	168.8	149.9	145.1	143.6
70°	204.0	98.3	109.4	121.5	144.1	172.5	164.1	145.1	144.6	141.5
72.5°	124.1	88.9	100.4	112.0	133.6	164.1	155.7	139.4	134.1	127.8
73°	118.3	87.8	98.3	109.9	130.9	162.0	154.1	137.3	132.0	125.7
75°	95.7	78.9	89.9	99.9	121.5	153.6	145.1	129.9	121.5	116.7
77.5°	70.5	67.3	77.8	87.3	109.4	142.0	132.5	118.8	108.9	106.2
80°	52.1	55.7	65.7	74.1	96.2	130.4	119.4	106.2	99.9	96.8
82.5°	35.2	43.1	52.6	59.4	85.2	117.8	105.7	93.1	97.3	81.0
85°	20.5	30.0	37.9	46.3	68.4	105.2	92.0	79.4	69.4	62.6
87.5°	13.7	16.8	23.1	31.6	49.4	82.6	73.1	62.1	45.2	45.2
90°	8.6	11.1	12.2	10.7	13.8	43.2	32.2	35.9	10.3	9.7
92.5°	6.0	6.0	7.0	7.0	6.0	6.0	6.0	5.0	4.0	4.0
95°	7.0	7.0	8.0	7.0	7.0	7.0	7.0	6.0	5.0	5.0
97.5°	8.0	9.0	10.0	12.0	9.0	9.0	8.0	8.0	7.0	7.0
100°	19.0	23.0	26.0	29.0	21.0	12.0	10.0	9.0	8.0	8.0
102.5°	39.0	42.0	47.0	50.0	40.0	27.0	18.0	13.0	11.0	11.0
105°	61.0	65.0	70.0	72.0	63.0	48.0	36.0	27.0	22.0	21.0
107.5°	87.0	90.0	94.0	95.0	88.0	73.0	58.0	49.0	42.0	41.0



REPORT NUMBER: P226564

CATALOG NUMBER: IST-AF-600-LED-E1-T4FT-7030-ULG

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	116.0	119.0	121.0	120.0	114.0	102.0	87.0	74.0	68.0	66.0
112.5°	147.0	149.0	150.0	148.0	143.0	134.0	121.0	106.0	99.0	99.0
115°	177.0	179.0	182.0	179.0	174.0	168.0	159.0	147.0	139.0	140.0
117.5°	208.0	210.0	215.0	211.0	205.0	202.0	197.0	189.0	184.0	184.0
120°	243.0	245.0	250.0	246.0	243.0	237.0	233.0	226.0	223.0	225.0
122.5°	276.0	278.0	283.0	279.0	277.0	271.0	267.0	261.0	260.0	263.0
125°	310.0	310.0	315.0	313.0	310.0	305.0	299.0	296.0	294.0	298.0
127.5°	345.0	346.0	346.0	345.0	340.0	339.0	333.0	329.0	329.0	330.0
130°	379.0	381.0	381.0	377.0	372.0	370.0	366.0	362.0	361.0	363.0
132.5°	414.0	414.0	416.0	411.0	405.0	404.0	401.0	393.0	394.0	396.0
135°	450.0	447.0	448.0	443.0	437.0	435.0	432.0	426.0	426.0	429.0
137.5°	481.0	476.0	475.0	473.0	468.0	464.0	460.0	459.0	457.0	460.0
140°	509.0	504.0	502.0	500.0	497.0	491.0	489.0	487.0	485.0	488.0
142.5°	534.0	533.0	533.0	527.0	525.0	521.0	518.0	517.0	515.0	518.0
145°	558.0	561.0	562.0	556.0	551.0	550.0	547.0	544.0	546.0	550.0
147.5°	583.0	586.0	585.0	580.0	575.0	574.0	574.0	571.0	572.0	575.0
150°	606.0	603.0	600.0	597.0	593.0	593.0	593.0	593.0	592.0	595.0
152.5°	623.0	618.0	614.0	611.0	610.0	610.0	609.0	608.0	608.0	611.0
155°	638.0	636.0	631.0	626.0	628.0	630.0	627.0	625.0	625.0	629.0
157.5°	650.0	650.0	648.0	644.0	645.0	646.0	644.0	643.0	643.0	646.0
160°	660.0	661.0	664.0	658.0	655.0	655.0	656.0	659.0	660.0	663.0
162.5°	668.0	670.0	671.0	667.0	663.0	661.0	665.0	669.0	669.0	673.0
165°	678.0	680.0	677.0	672.0	673.0	673.0	676.0	676.0	678.0	681.0
167.5°	688.0	688.0	684.0	678.0	685.0	688.0	686.0	684.0	687.0	690.0
170°	696.0	694.0	689.0	686.0	691.0	693.0	692.0	692.0	695.0	698.0
172.5°	696.0	694.0	692.0	689.0	690.0	690.0	693.0	695.0	697.0	699.0
175°	694.0	696.0	695.0	690.0	690.0	691.0	695.0	697.0	698.0	700.0
177.5°	698.0	701.0	699.0	694.0	695.0	697.0	699.0	700.0	705.0	707.0
180°	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0

(END OF REPORT)