

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: P226561

Luminaire Tested: **IST-AF-600-LED-E1-T4FT-8030-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P226561
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-8030-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, 80 CRI LEDs and (1) UPLIGHT LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5119.4 lumens
Efficiency: N/A
Efficacy: 101.6 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

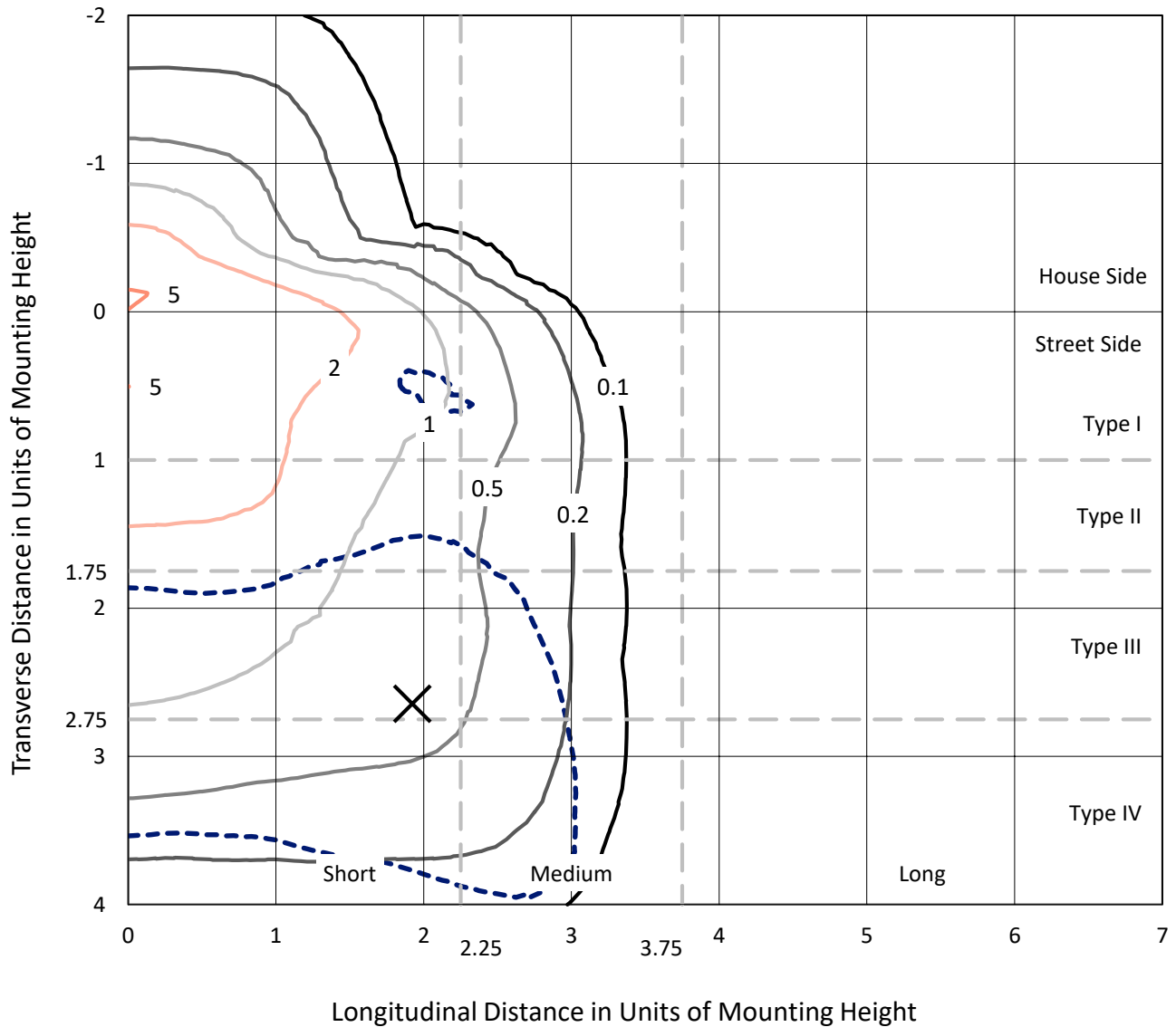
Input Watts (W): 50.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

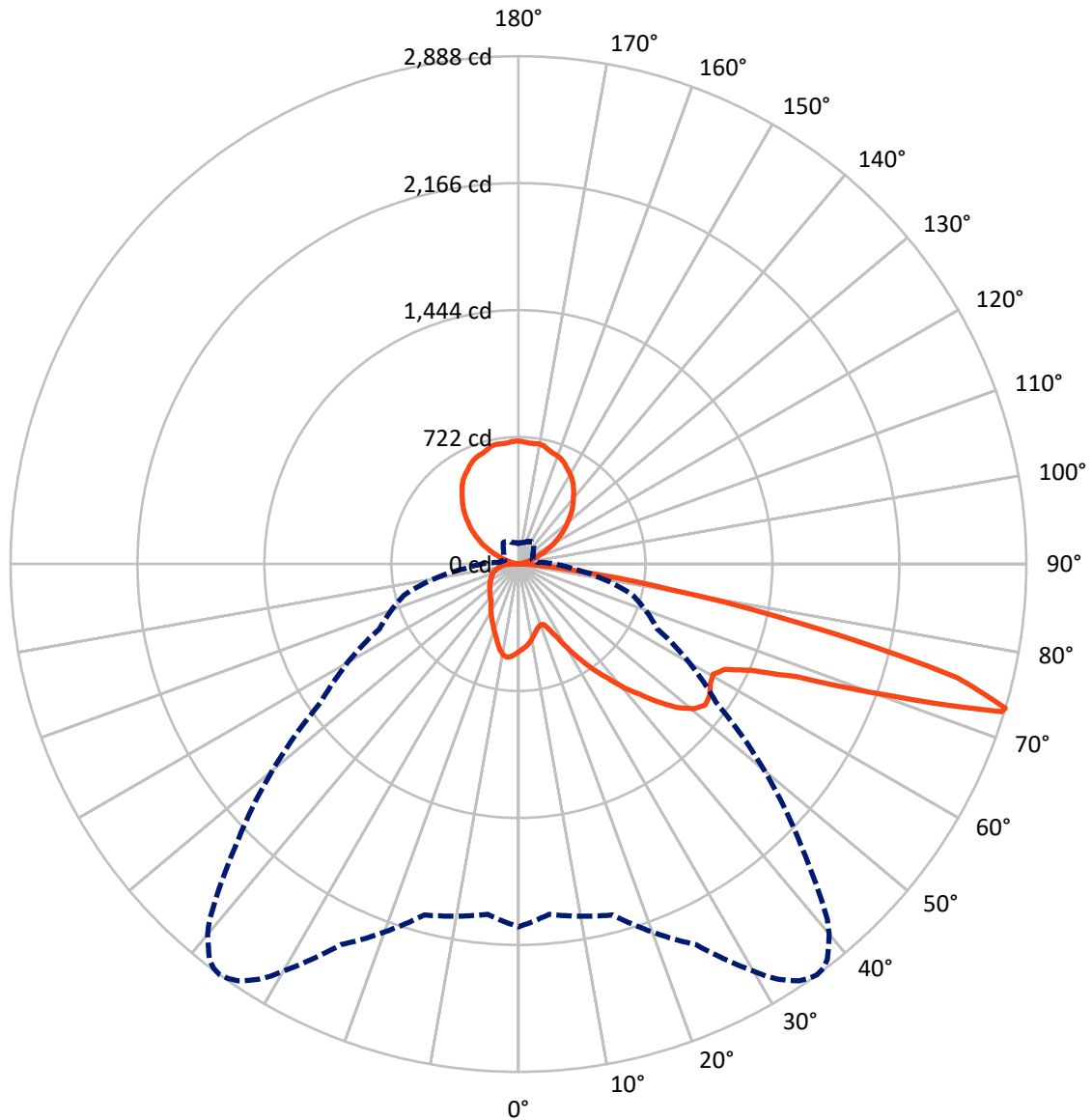
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.2 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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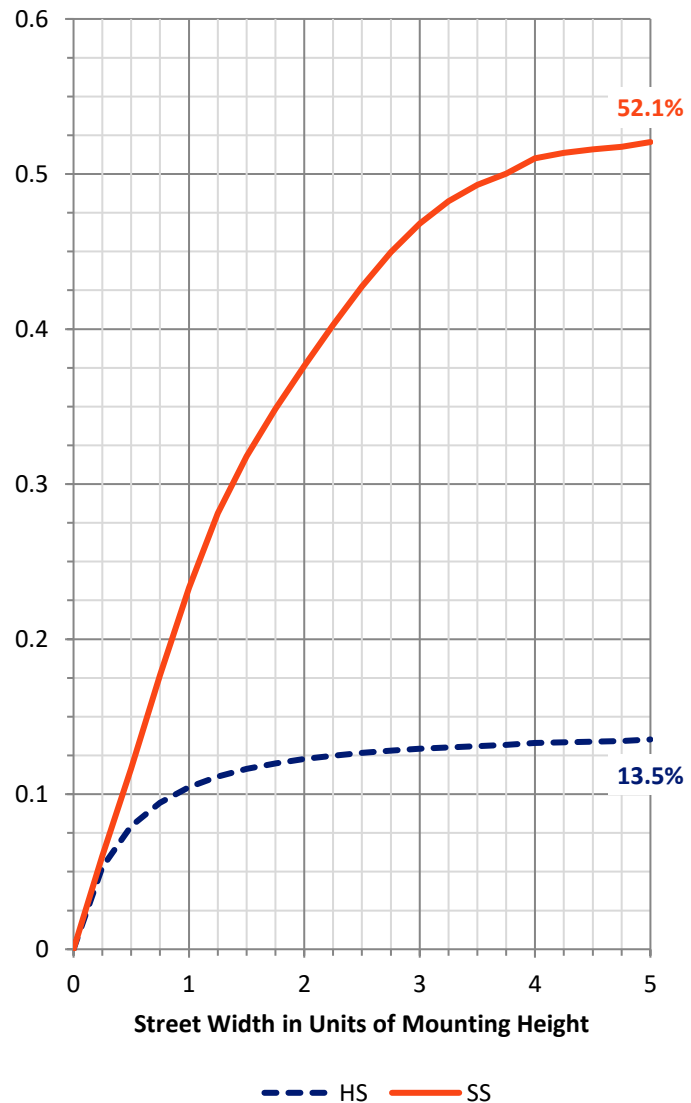
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	713.9	868.3	1582.2
	% Fixture	13.9	17.0	30.9
Street Side	Lumens	2669.4	867.8	3537.2
	% Fixture	52.1	17.0	69.1
Total	Lumens	3383.2	1736.2	5119.4
	% Fixture	66.1	33.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.8	0.9
10°-20°	123.9	2.4
20°-30°	203.1	4.0
30°-40°	336.5	6.6
40°-50°	494.6	9.7
50°-60°	623.6	12.2
60°-70°	816.6	16.0
70°-80°	661.0	12.9
80°-90°	77.1	1.5
90°-100°	10.3	0.2
100°-110°	57.4	1.1
110°-120°	166.1	3.2
120°-130°	273.2	5.3
130°-140°	336.8	6.6
140°-150°	344.6	6.7
150°-160°	290.3	5.7
160°-170°	191.2	3.7
170°-180°	66.3	1.3
0°-90°	3383.2	66.1
0°-180°	5119.4	100.0



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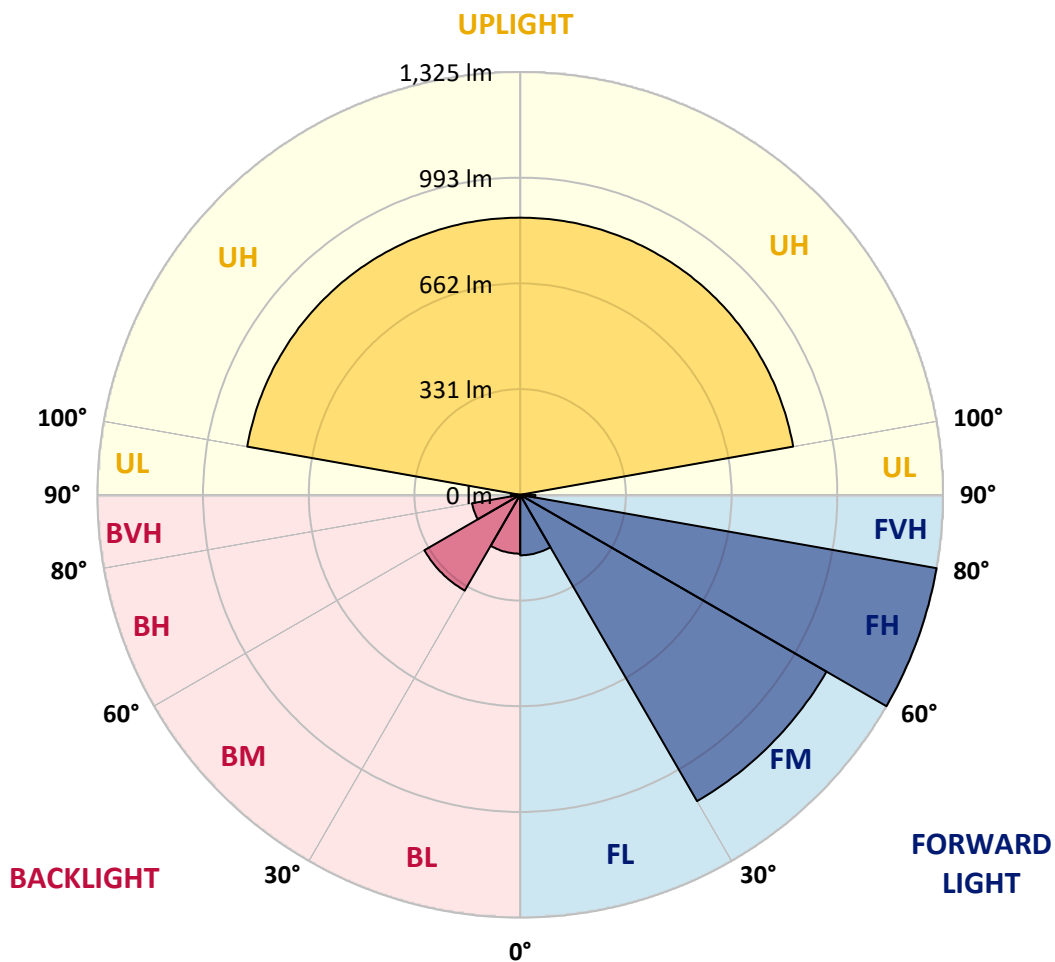
CATALOG NUMBER: IST-AF-600-LED-E1-T4FT-8030-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	189.4	3.7			
FM (30°-60°)	1108.0	21.6			
FH (60°-80°)	1324.6	25.9			G1/1800
FVH (80°-90°)	47.4	0.9			G1/100
BL (0°-30°)	184.4	3.6	B1/500		
BM (30°-60°)	346.7	6.8	B1/1000		
BH (60°-80°)	153.1	3.0	B1/500		G1/500
BVH (80°-90°)	29.7	0.6			G1/100
UL (90°-100°)	10.3	0.2		U2/50	
UH (100°-180°)	868.3	17.0		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°	496.9	496.9	496.9	496.9	496.9	496.9	496.9	496.9	496.9	496.9	496.9
2.5°	478.9	479.9	480.9	480.9	480.9	482.3	481.8	481.8	482.3	482.8	482.8
5°	461.0	461.5	464.4	465.4	468.3	467.8	467.8	467.8	469.7	468.3	469.2
7.5°	440.6	441.6	444.5	447.9	450.3	450.8	450.3	449.4	451.8	452.8	451.8
10°	416.4	416.9	420.8	423.7	427.6	427.1	428.5	428.5	429.5	429.0	430.9
12.5°	404.3	403.3	401.4	402.8	403.8	403.8	403.8	405.3	404.8	405.7	407.2
15°	402.8	400.4	390.7	387.3	386.4	386.4	385.9	385.4	386.8	388.3	388.3
17.5°	409.6	404.8	385.9	376.2	374.2	373.3	373.7	372.8	372.8	374.7	374.2
20°	442.6	433.9	396.0	374.7	368.9	368.9	368.4	367.0	367.0	367.4	367.4
22.5°	526.4	515.3	449.4	405.3	384.9	384.4	383.0	381.5	377.6	376.7	374.7
25°	643.3	630.2	517.2	469.7	441.1	440.2	432.9	431.9	422.7	423.2	416.9
27.5°	733.9	725.2	607.9	544.9	517.7	511.9	508.5	499.8	492.0	485.7	478.0
30°	764.9	763.5	699.5	648.6	607.9	601.1	591.9	588.0	576.9	568.1	562.8
32.5°	813.9	815.4	788.7	732.5	697.1	690.3	682.5	673.3	665.6	659.8	647.2
35°	883.7	884.2	865.8	823.6	782.9	773.7	769.3	758.6	751.4	744.1	737.8
37.5°	932.2	934.6	921.5	889.0	864.8	851.7	851.2	843.5	835.2	828.9	823.1
40°	1025.3	1012.2	969.0	948.2	928.3	926.9	922.5	918.1	920.1	916.7	923.0
42.5°	1119.3	1102.8	1042.7	1013.1	1001.0	1003.4	1002.0	1002.5	1008.3	1006.8	1013.6
45°	1199.8	1180.9	1123.7	1088.8	1098.5	1101.4	1109.6	1114.5	1112.0	1120.8	1120.8
47.5°	1280.2	1236.1	1168.3	1184.3	1191.0	1213.3	1219.2	1217.7	1226.0	1229.8	1219.2
50°	1223.5	1211.9	1206.6	1255.5	1286.1	1293.3	1301.6	1305.9	1309.8	1304.5	1293.8
52.5°	1103.8	1102.8	1178.0	1297.7	1323.4	1333.1	1340.8	1344.2	1342.8	1339.9	1331.1
55°	1063.6	1055.8	1120.8	1254.1	1293.3	1302.5	1313.7	1320.5	1327.3	1326.3	1319.5
57.5°	1118.3	1112.0	1112.5	1215.8	1254.1	1262.3	1269.6	1277.3	1279.3	1285.6	1286.1
60°	1277.3	1269.1	1202.7	1214.3	1253.1	1262.3	1263.3	1267.6	1268.1	1271.5	1272.0
62.5°	1506.6	1491.6	1390.3	1303.0	1316.6	1321.0	1324.4	1323.4	1321.4	1319.0	1319.0
65°	1757.7	1743.7	1613.3	1511.5	1472.2	1482.9	1465.9	1462.5	1458.6	1458.6	1454.3
67.5°	2056.3	2029.7	1928.9	1814.4	1757.7	1763.1	1770.8	1741.3	1730.6	1731.6	1708.8
70°	2360.8	2332.7	2288.5	2287.1	2315.7	2303.1	2267.2	2314.7	2258.5	2244.9	2240.1
72.5°	2192.6	2159.1	2168.3	2442.2	2699.1	2740.8	2780.6	2817.4	2850.4	2870.3	2873.2
73°	2063.6	2000.1	2066.0	2387.9	2673.0	2734.5	2784.0	2823.2	2858.6	2876.6	2887.7
75°	1030.6	1034.0	1358.8	1970.1	2336.0	2388.9	2466.0	2509.1	2573.1	2606.1	2577.0
77.5°	239.0	247.7	411.6	935.1	1400.5	1476.1	1537.7	1600.7	1674.8	1702.5	1678.2
80°	84.3	88.2	144.9	355.3	584.6	626.3	679.1	748.5	817.3	834.3	876.9
82.5°	44.6	49.0	76.6	154.2	249.7	272.9	286.5	315.1	339.3	353.9	361.6
85°	25.7	26.2	43.6	85.3	114.4	123.6	132.3	139.1	146.9	141.5	141.5
87.5°	10.2	11.1	22.3	40.2	55.3	61.6	61.6	61.6	61.1	53.8	49.0
90°	6.9	7.9	11.4	16.2	15.3	15.3	14.8	13.8	13.3	13.8	11.3
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°	496.9	496.9	496.9	496.9	496.9	496.9	496.9	496.9	496.9	496.9	496.9
2.5°	483.8	484.3	483.3	485.2	483.8	483.8	486.2	490.6	494.0	494.9	497.8
5°	470.2	470.7	470.7	471.2	470.7	471.7	476.0	479.9	486.7	490.1	494.5
7.5°	452.8	454.2	453.7	454.7	454.7	455.7	462.5	468.8	475.5	481.8	487.2
10°	431.9	432.9	434.8	433.9	433.9	436.8	444.0	453.2	461.5	470.7	477.0
12.5°	407.2	409.6	409.1	411.1	412.0	414.0	426.1	436.3	446.5	457.1	465.4
15°	387.8	389.3	390.2	390.7	390.7	395.1	407.2	419.8	433.4	446.0	454.7
17.5°	375.2	375.2	376.2	376.7	377.6	380.5	393.1	407.2	422.7	438.2	447.9
20°	367.9	367.9	368.4	368.9	368.9	372.3	383.9	399.9	416.9	436.8	448.4
22.5°	373.7	372.3	371.8	371.8	369.9	369.9	381.0	398.0	419.3	445.0	460.0
25°	413.5	409.1	402.3	400.9	398.5	386.8	385.4	404.8	430.9	462.9	485.7
27.5°	473.1	468.8	464.4	459.1	455.2	433.9	404.8	422.2	453.2	498.8	526.9
30°	551.2	542.4	536.1	530.3	513.4	490.1	445.0	449.4	487.7	548.7	584.1
32.5°	638.4	629.2	619.5	605.9	601.6	563.8	506.1	494.5	531.3	606.9	643.8
35°	722.8	718.4	711.6	706.3	696.1	664.6	585.6	548.7	581.7	675.3	703.9
37.5°	820.7	812.5	812.9	808.6	802.8	776.1	668.0	614.2	636.0	740.7	758.6
40°	917.2	915.2	918.1	910.9	901.2	865.3	728.6	662.2	692.7	803.7	799.4
42.5°	1008.3	1009.8	1006.4	998.1	987.5	927.3	767.4	702.9	743.6	859.0	831.8
45°	1112.5	1107.2	1093.1	1078.6	1065.5	980.7	788.2	748.5	792.6	918.6	864.8
47.5°	1210.9	1190.1	1178.0	1155.7	1130.0	1029.1	816.3	796.5	846.9	974.8	896.3
50°	1283.2	1263.8	1243.4	1216.3	1189.1	1071.3	853.7	850.7	908.4	1037.9	939.5
52.5°	1316.1	1298.2	1278.3	1250.7	1223.5	1101.9	903.6	903.6	981.1	1121.2	999.1
55°	1310.8	1297.7	1280.2	1255.0	1234.2	1118.3	955.0	961.8	1072.3	1211.4	1067.9
57.5°	1282.7	1275.4	1265.2	1247.8	1230.8	1130.9	1015.6	1019.9	1194.4	1298.2	1132.9
60°	1273.0	1270.1	1264.2	1254.1	1241.0	1158.6	1080.0	1089.7	1331.1	1377.7	1169.7
62.5°	1316.1	1310.3	1305.9	1295.8	1283.6	1226.4	1161.0	1163.9	1459.6	1387.4	1133.8
65°	1437.3	1426.6	1419.4	1405.8	1392.2	1328.7	1264.2	1232.7	1522.6	1296.7	1012.2
67.5°	1691.3	1673.9	1653.0	1627.3	1590.0	1532.8	1366.5	1242.4	1465.4	1098.5	798.4
70°	2193.5	2155.7	2107.7	2052.9	2038.9	1872.1	1430.5	1170.7	1218.2	767.4	529.4
72.5°	2868.3	2829.0	2786.4	2741.3	2652.1	2285.6	1402.4	944.3	757.7	394.6	252.1
73°	2879.5	2852.8	2801.4	2749.1	2676.3	2278.4	1371.9	870.6	668.0	310.7	206.5
75°	2582.3	2571.6	2521.2	2420.4	2358.8	1924.5	1010.2	504.6	292.3	192.0	134.3
77.5°	1675.8	1664.2	1635.6	1625.9	1512.4	1247.8	452.3	196.3	159.0	127.5	95.0
80°	892.9	838.6	828.9	790.2	707.3	480.4	154.6	120.2	105.7	85.3	66.4
82.5°	362.1	338.8	330.1	299.1	281.2	144.0	77.6	83.4	70.8	50.4	40.7
85°	133.3	122.6	119.7	97.4	85.8	42.7	47.5	58.7	44.1	28.1	20.4
87.5°	46.1	39.8	34.4	26.7	24.7	17.5	26.2	32.0	28.1	17.0	9.7
90°	11.2	10.6	10.0	9.4	9.8	8.9	9.9	13.4	13.8	9.9	8.9
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-8030-ULG

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	496.9	496.9	496.9	496.9	496.9	496.9	496.9	496.9	496.9	496.9
2.5°	498.8	500.8	504.6	507.5	510.0	513.4	514.3	516.3	513.8	516.8
5°	496.9	502.7	510.0	516.8	523.1	528.4	530.8	531.3	531.8	533.7
7.5°	492.0	500.8	512.4	521.6	531.3	534.7	536.1	536.6	533.2	534.7
10°	482.3	496.4	510.9	522.1	526.9	524.5	520.6	514.3	511.4	511.4
12.5°	471.7	489.6	506.6	512.9	508.5	499.3	488.6	477.0	472.6	472.6
15°	462.9	485.7	499.8	495.4	482.8	465.4	450.8	438.7	434.8	433.4
17.5°	458.1	483.8	489.1	475.5	454.2	432.4	417.9	407.7	404.3	404.3
20°	462.0	485.7	477.0	451.8	425.1	405.3	392.7	385.9	382.5	383.9
22.5°	478.5	493.0	466.3	428.5	396.0	379.1	373.3	368.9	368.4	369.4
25°	506.1	502.7	457.1	404.3	368.9	356.8	356.3	354.8	354.4	353.9
27.5°	542.0	514.8	446.0	377.1	341.8	335.9	338.8	338.4	337.9	338.4
30°	589.5	525.5	429.5	347.6	316.1	316.1	320.4	319.0	317.0	317.5
32.5°	633.6	533.2	404.3	314.6	295.7	296.7	298.1	294.2	289.4	290.4
35°	671.4	533.2	370.4	285.0	274.9	274.9	275.8	272.4	268.6	267.1
37.5°	702.9	522.6	327.7	262.7	257.9	257.9	261.8	258.4	251.1	249.7
40°	721.8	499.3	288.4	246.3	249.7	250.1	244.8	239.0	232.2	230.7
42.5°	733.9	465.4	257.4	234.6	244.3	240.4	227.8	218.6	218.1	220.1
45°	744.6	427.1	232.7	223.0	238.5	230.3	213.3	204.6	207.5	209.4
47.5°	755.3	388.8	212.8	209.9	227.8	222.0	204.1	194.4	192.9	195.8
50°	780.5	335.5	190.0	194.4	214.7	212.8	195.8	184.7	175.5	175.0
52.5°	814.4	264.2	170.6	180.8	204.6	207.5	186.6	176.0	163.4	161.4
55°	852.2	202.6	154.6	170.1	194.9	199.7	183.2	167.2	153.7	151.7
57.5°	863.4	160.0	139.6	155.1	181.8	192.4	177.9	157.1	146.9	144.9
60°	825.1	132.8	127.0	142.5	168.7	185.2	169.7	149.3	140.1	138.6
62.5°	708.2	117.3	120.2	134.3	159.0	178.4	163.4	143.5	136.2	135.2
65°	540.5	106.6	114.4	127.5	150.3	172.1	159.0	141.1	135.2	134.3
67.5°	339.3	98.9	108.6	120.2	141.5	165.3	155.6	138.2	133.8	132.3
70°	188.1	90.6	100.8	112.0	132.8	159.0	151.2	133.8	133.3	130.4
72.5°	114.4	81.9	92.6	103.3	123.1	151.2	143.5	128.5	123.6	117.8
73°	109.1	81.0	90.6	101.3	120.7	149.3	142.0	126.5	121.7	115.9
75°	88.2	72.7	82.9	92.1	112.0	141.5	133.8	119.7	112.0	107.6
77.5°	65.0	62.0	71.7	80.5	100.8	130.9	122.2	109.6	100.3	97.9
80°	48.0	51.4	60.6	68.4	88.7	120.2	110.0	97.9	92.1	89.2
82.5°	32.5	39.8	48.5	54.8	78.5	108.6	97.4	85.8	89.7	74.7
85°	18.9	27.6	34.9	42.7	63.0	97.0	84.8	73.2	64.0	57.7
87.5°	12.6	15.5	21.3	29.1	45.6	76.1	67.4	57.2	41.7	41.7
90°	8.5	10.9	11.9	10.4	13.3	40.5	30.3	33.7	9.8	9.4
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: P226561

CATALOG NUMBER: IST-AF-600-LED-E1-T4FT-8030-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)