

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: P226556

Luminaire Tested: **IST-AF-800-LED-E1-T4FT-8030-ULG**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P226556  
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-800-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: 5971.3 lumens  
Efficiency: N/A  
Efficacy: 99.2 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): 60.2  
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

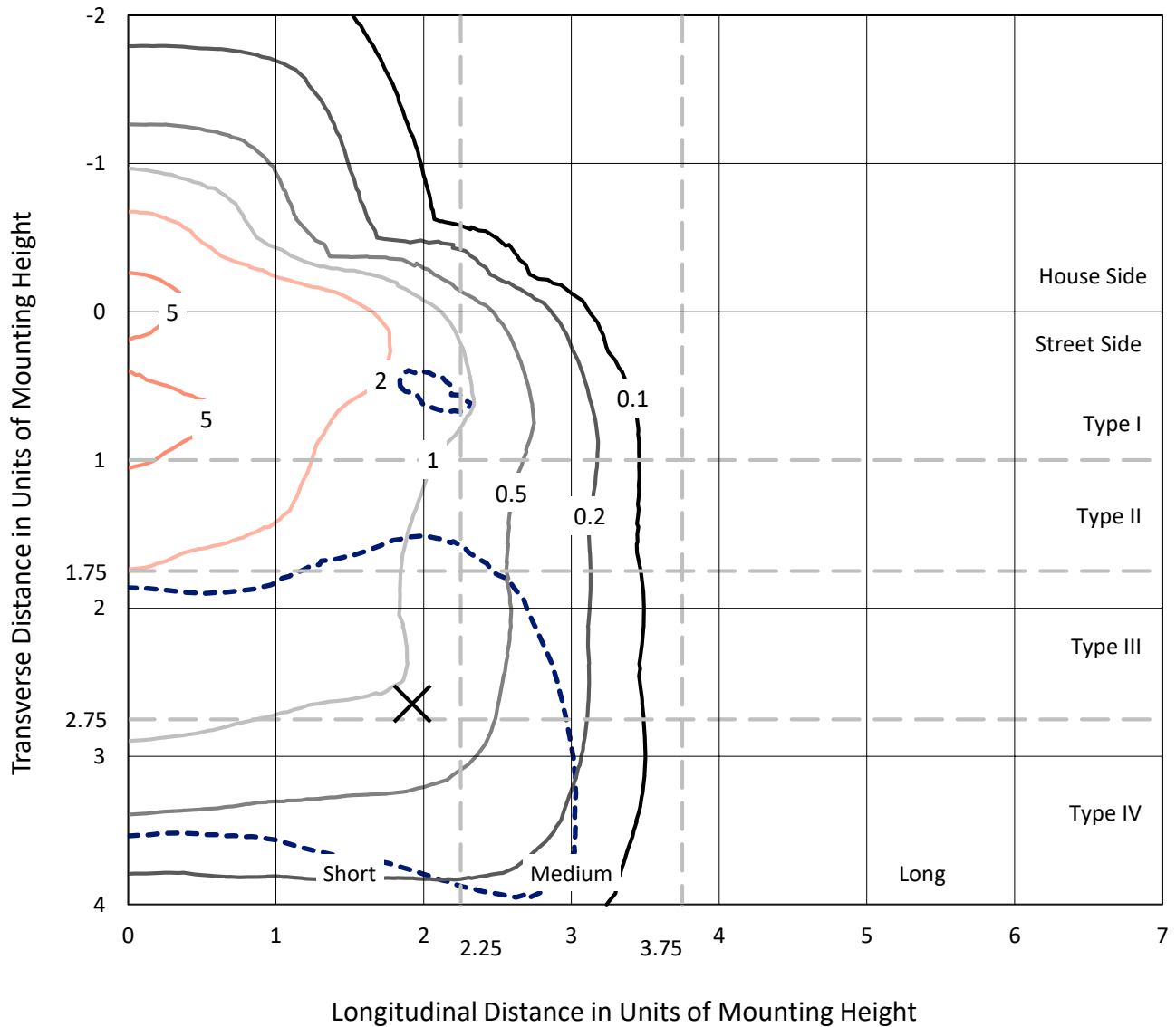


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### Iso-Footcandle Lines of Horizontal Illumination

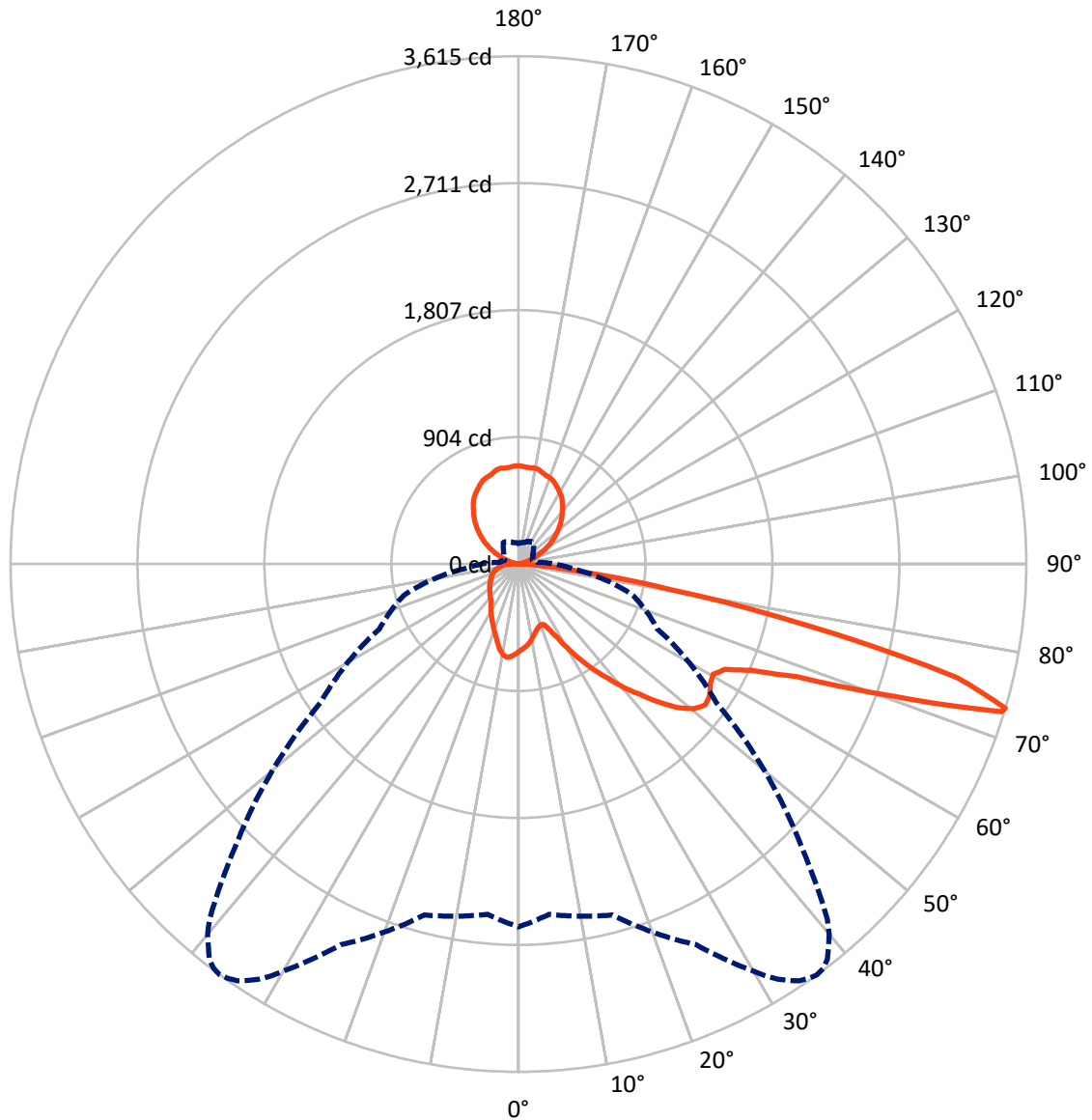
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.5 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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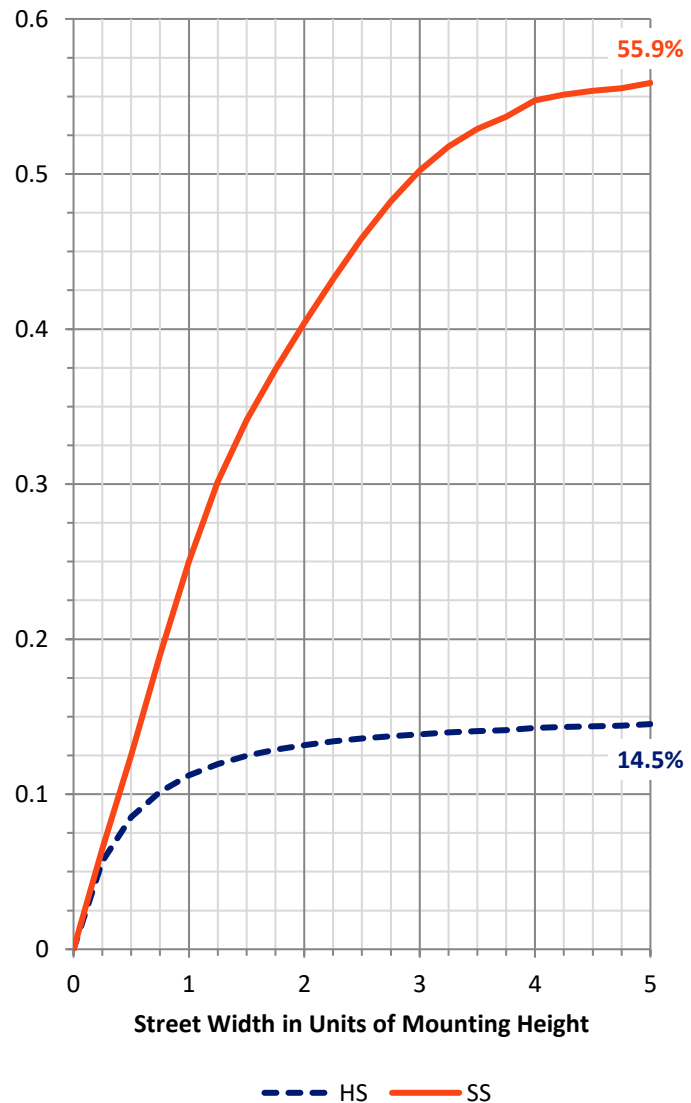
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	893.5	868.5	1762.0
	% Fixture	15.0	14.5	29.5
<b>Street Side</b>	Lumens	3341.3	867.9	4209.2
	% Fixture	56.0	14.5	70.5
<b>Total</b>	Lumens	4234.8	1736.5	5971.3
	% Fixture	70.9	29.1	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.5	1.0
10°-20°	155.1	2.6
20°-30°	254.3	4.3
30°-40°	421.3	7.1
40°-50°	619.1	10.4
50°-60°	780.6	13.1
60°-70°	1022.2	17.1
70°-80°	827.5	13.9
80°-90°	96.2	1.6
90°-100°	10.6	0.2
100°-110°	57.4	1.0
110°-120°	166.1	2.8
120°-130°	273.2	4.6
130°-140°	336.8	5.6
140°-150°	344.6	5.8
150°-160°	290.3	4.9
160°-170°	191.2	3.2
170°-180°	66.3	1.1
0°-90°	4234.8	70.9
0°-180°	5971.3	100.0



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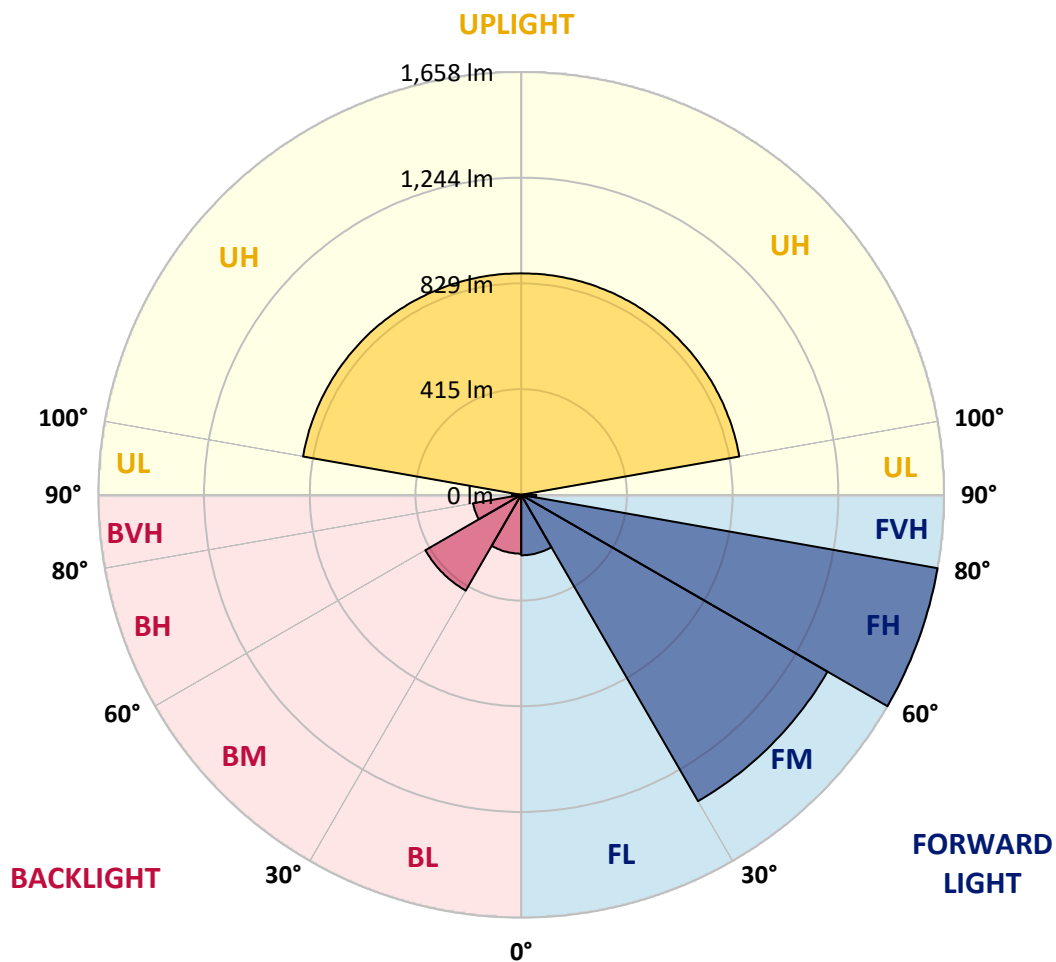
CATALOG NUMBER: IST-AF-800-LED-E1-T4FT-8030-ULG

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	237.1	4.0			
FM	(30°-60°)	1386.9	23.2			
FH	(60°-80°)	1658.1	27.8			G1/1800
FVH	(80°-90°)	59.2	1.0			G1/100
BL	(0°-30°)	230.9	3.9	B1/500		
BM	(30°-60°)	434.0	7.3	B1/1000		
BH	(60°-80°)	191.6	3.2	B1/500		G1/500
BVH	(80°-90°)	37.0	0.6			G1/100
UL	(90°-100°)	10.6	0.2		U2/50	
UH	(100°-180°)	868.5	14.5		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°	622.0	622.0	622.0	622.0	622.0	622.0	622.0	622.0	622.0	622.0	622.0
2.5°	599.5	600.7	602.0	602.0	602.0	603.8	603.2	603.2	603.8	604.4	604.4
5°	577.1	577.7	581.3	582.5	586.2	585.6	585.6	585.6	588.0	586.2	587.4
7.5°	551.6	552.8	556.4	560.7	563.7	564.3	563.7	562.5	565.5	566.8	565.5
10°	521.2	521.9	526.7	530.3	535.2	534.6	536.4	536.4	537.6	537.0	539.5
12.5°	506.1	504.9	502.4	504.3	505.5	505.5	505.5	507.3	506.7	507.9	509.7
15°	504.3	501.2	489.1	484.8	483.6	483.6	483.0	482.4	484.2	486.1	486.1
17.5°	512.8	506.7	483.0	470.9	468.5	467.2	467.8	466.6	466.6	469.1	468.5
20°	554.0	543.1	495.8	469.1	461.8	461.8	461.2	459.4	459.4	460.0	460.0
22.5°	659.0	645.0	562.5	507.3	481.8	481.2	479.4	477.6	472.7	471.5	469.1
25°	805.2	788.8	647.5	588.0	552.2	551.0	541.9	540.7	529.1	529.7	521.9
27.5°	918.7	907.8	760.9	682.0	648.1	640.8	636.5	625.6	615.9	608.0	598.3
30°	957.5	955.7	875.6	811.9	760.9	752.4	740.9	736.1	722.1	711.2	704.5
32.5°	1018.8	1020.6	987.3	916.9	872.6	864.1	854.4	842.9	833.1	825.9	810.1
35°	1106.2	1106.8	1083.8	1031.0	980.0	968.5	963.0	949.7	940.5	931.4	923.6
37.5°	1166.9	1169.9	1153.5	1112.9	1082.5	1066.2	1065.6	1055.8	1045.5	1037.6	1030.4
40°	1283.4	1267.0	1213.0	1186.9	1162.0	1160.2	1154.8	1149.3	1151.7	1147.5	1155.4
42.5°	1401.1	1380.5	1305.2	1268.2	1253.1	1256.1	1254.3	1254.9	1262.2	1260.3	1268.8
45°	1501.8	1478.2	1406.6	1362.9	1375.0	1378.7	1389.0	1395.0	1392.0	1402.9	1402.9
47.5°	1602.6	1547.4	1462.4	1482.4	1490.9	1518.8	1526.1	1524.3	1534.6	1539.5	1526.1
50°	1531.6	1517.0	1510.3	1571.6	1609.9	1619.0	1629.3	1634.7	1639.6	1632.9	1619.6
52.5°	1381.7	1380.5	1474.5	1624.4	1656.6	1668.7	1678.4	1682.7	1680.9	1677.2	1666.3
55°	1331.3	1321.6	1402.9	1569.8	1619.0	1630.5	1644.4	1652.9	1661.4	1660.2	1651.7
57.5°	1399.9	1392.0	1392.6	1521.9	1569.8	1580.1	1589.2	1598.9	1601.4	1609.2	1609.9
60°	1598.9	1588.6	1505.5	1520.0	1568.6	1580.1	1581.3	1586.8	1587.4	1591.7	1592.3
62.5°	1886.0	1867.1	1740.3	1631.1	1648.1	1653.5	1657.8	1656.6	1654.2	1651.1	1651.1
65°	2200.3	2182.7	2019.4	1892.0	1842.9	1856.2	1835.0	1830.7	1825.9	1825.9	1820.4
67.5°	2574.1	2540.7	2414.5	2271.3	2200.3	2207.0	2216.7	2179.6	2166.3	2167.5	2139.0
70°	2955.1	2919.9	2864.7	2862.9	2898.7	2882.9	2838.0	2897.5	2827.1	2810.1	2804.0
72.5°	2744.6	2702.7	2714.2	3057.1	3378.7	3430.9	3480.6	3526.8	3568.0	3592.9	3596.5
73°	2583.2	2503.7	2586.2	2989.1	3345.9	3423.0	3484.9	3534.0	3578.3	3600.8	3614.7
75°	1290.1	1294.3	1700.9	2466.1	2924.2	2990.3	3086.8	3140.8	3220.9	3262.2	3225.8
77.5°	299.2	310.1	515.2	1170.5	1753.1	1847.7	1924.8	2003.7	2096.5	2131.1	2100.8
80°	105.6	110.4	181.4	444.8	731.8	784.0	850.1	936.9	1023.1	1044.3	1097.7
82.5°	55.8	61.3	95.9	193.0	312.5	341.6	358.6	394.4	424.8	443.0	452.7
85°	32.2	32.8	54.6	106.8	143.2	154.7	165.7	174.2	183.9	177.2	177.2
87.5°	12.7	14.0	27.9	50.4	69.2	77.1	77.1	77.1	76.5	67.4	61.3
90°	7.4	8.6	12.5	18.3	17.1	17.1	16.5	15.3	14.7	15.3	12.1
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°	622.0	622.0	622.0	622.0	622.0	622.0	622.0	622.0	622.0	622.0	622.0
2.5°	605.6	606.2	605.0	607.4	605.6	605.6	608.6	614.1	618.3	619.5	623.2
5°	588.6	589.2	589.2	589.8	589.2	590.4	595.9	600.7	609.2	613.5	618.9
7.5°	566.8	568.6	568.0	569.2	569.2	570.4	578.9	586.8	595.3	603.2	609.8
10°	540.7	541.9	544.3	543.1	543.1	546.7	555.8	567.4	577.7	589.2	597.1
12.5°	509.7	512.8	512.1	514.6	515.8	518.2	533.4	546.1	558.9	572.2	582.5
15°	485.4	487.3	488.5	489.1	489.1	494.5	509.7	525.5	542.5	558.3	569.2
17.5°	469.7	469.7	470.9	471.5	472.7	476.3	492.1	509.7	529.1	548.6	560.7
20°	460.6	460.6	461.2	461.8	461.8	466.0	480.6	500.6	521.9	546.7	561.3
22.5°	467.8	466.0	465.4	465.4	463.0	463.0	476.9	498.2	524.9	557.0	575.9
25°	517.6	512.1	503.6	501.8	498.8	484.2	482.4	506.7	539.5	579.5	608.0
27.5°	592.2	586.8	581.3	574.6	569.8	543.1	506.7	528.5	567.4	624.4	659.6
30°	689.9	679.0	671.1	663.8	642.6	613.5	557.0	562.5	610.4	686.9	731.2
32.5°	799.2	787.6	775.5	758.5	753.0	705.7	633.5	618.9	665.1	759.7	805.8
35°	904.7	899.3	890.8	884.1	871.4	831.9	733.0	686.9	728.2	845.3	881.1
37.5°	1027.3	1017.0	1017.6	1012.2	1004.9	971.5	836.2	768.8	796.1	927.2	949.7
40°	1148.1	1145.6	1149.3	1140.2	1128.1	1083.1	912.0	828.9	867.1	1006.1	1000.6
42.5°	1262.2	1264.0	1259.7	1249.4	1236.1	1160.8	960.6	879.9	930.8	1075.3	1041.3
45°	1392.6	1385.9	1368.3	1350.1	1333.8	1227.6	986.7	936.9	992.1	1149.9	1082.5
47.5°	1515.8	1489.7	1474.5	1446.6	1414.5	1288.2	1021.9	997.0	1060.1	1220.3	1122.0
50°	1606.2	1581.9	1556.5	1522.5	1488.5	1341.0	1068.6	1064.9	1137.2	1299.2	1176.0
52.5°	1647.5	1625.0	1600.1	1565.6	1531.6	1379.3	1131.1	1131.1	1228.2	1403.5	1250.6
55°	1640.8	1624.4	1602.6	1571.0	1544.9	1399.9	1195.4	1203.9	1342.3	1516.4	1336.8
57.5°	1605.6	1596.5	1583.8	1561.9	1540.7	1415.7	1271.3	1276.7	1495.2	1625.0	1418.1
60°	1593.5	1589.8	1582.5	1569.8	1553.4	1450.3	1352.0	1364.1	1666.3	1724.5	1464.2
62.5°	1647.5	1640.2	1634.7	1622.0	1606.8	1535.2	1453.3	1456.9	1827.1	1736.7	1419.3
65°	1799.2	1785.8	1776.7	1759.7	1742.7	1663.3	1582.5	1543.1	1906.0	1623.2	1267.0
67.5°	2117.1	2095.3	2069.2	2037.0	1990.3	1918.7	1710.6	1555.2	1834.4	1375.0	999.4
70°	2745.8	2698.5	2638.4	2569.8	2552.2	2343.5	1790.7	1465.4	1524.9	960.6	662.6
72.5°	3590.5	3541.3	3487.9	3431.5	3319.8	2861.1	1755.5	1182.1	948.4	493.9	315.5
73°	3604.4	3571.1	3506.7	3441.2	3350.2	2852.0	1717.3	1089.8	836.2	389.0	258.5
75°	3232.5	3219.1	3156.0	3029.8	2952.7	2409.0	1264.6	631.7	365.9	240.3	168.1
77.5°	2097.7	2083.2	2047.4	2035.2	1893.2	1561.9	566.1	245.8	199.0	159.6	118.9
80°	1117.7	1049.8	1037.6	989.1	885.3	601.3	193.6	150.5	132.3	106.8	83.1
82.5°	453.3	424.2	413.2	374.4	351.9	180.2	97.1	104.4	88.6	63.1	51.0
85°	166.9	153.5	149.9	122.0	107.4	53.4	59.5	73.4	55.2	35.2	25.5
87.5°	57.6	49.8	43.1	33.4	30.9	21.8	32.8	40.0	35.2	21.2	12.1
90°	12.0	11.3	10.6	9.9	10.4	9.4	10.6	14.5	15.1	10.6	9.4
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



REPORT NUMBER: P226556

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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



REPORT NUMBER: P226556

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**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	622.0	622.0	622.0	622.0	622.0	622.0	622.0	622.0	622.0	622.0
2.5°	624.4	626.8	631.7	635.3	638.4	642.6	643.8	646.2	643.2	646.9
5°	622.0	629.3	638.4	646.9	654.7	661.4	664.5	665.1	665.7	668.1
7.5°	615.9	626.8	641.4	652.9	665.1	669.3	671.1	671.7	667.5	669.3
10°	603.8	621.4	639.6	653.5	659.6	656.6	651.7	643.8	640.2	640.2
12.5°	590.4	612.9	634.1	642.0	636.5	625.0	611.7	597.1	591.6	591.6
15°	579.5	608.0	625.6	620.2	604.4	582.5	564.3	549.2	544.3	542.5
17.5°	573.4	605.6	612.3	595.3	568.6	541.3	523.1	510.3	506.1	506.1
20°	578.3	608.0	597.1	565.5	532.2	507.3	491.5	483.0	478.8	480.6
22.5°	598.9	617.1	583.7	536.4	495.8	474.5	467.2	461.8	461.2	462.4
25°	633.5	629.3	572.2	506.1	461.8	446.6	446.0	444.2	443.6	443.0
27.5°	678.4	644.4	558.3	472.1	427.8	420.5	424.2	423.6	422.9	423.6
30°	737.9	657.8	537.6	435.1	395.6	395.6	401.1	399.3	396.9	397.5
32.5°	793.1	667.5	506.1	393.8	370.2	371.4	373.2	368.3	362.3	363.5
35°	840.4	667.5	463.6	356.8	344.1	344.1	345.3	341.0	336.2	334.3
37.5°	879.9	654.1	410.2	328.9	322.8	322.8	327.7	323.4	314.3	312.5
40°	903.5	625.0	361.0	308.3	312.5	313.1	306.4	299.2	290.7	288.8
42.5°	918.7	582.5	322.2	293.7	305.8	301.0	285.2	273.7	273.1	275.5
45°	932.1	534.6	291.3	279.1	298.5	288.2	267.0	256.1	259.7	262.1
47.5°	945.4	486.7	266.4	262.7	285.2	277.9	255.5	243.3	241.5	245.1
50°	977.0	419.9	237.9	243.3	268.8	266.4	245.1	231.2	219.7	219.1
52.5°	1019.4	330.7	213.6	226.3	256.1	259.7	233.6	220.3	204.5	202.1
55°	1066.8	253.6	193.6	213.0	243.9	250.0	229.4	209.3	192.4	189.9
57.5°	1080.7	200.2	174.8	194.2	227.6	240.9	222.7	196.6	183.9	181.4
60°	1032.8	166.3	159.0	178.4	211.2	231.8	212.4	186.9	175.4	173.5
62.5°	886.5	146.8	150.5	168.1	199.0	223.3	204.5	179.6	170.5	169.3
65°	676.6	133.5	143.2	159.6	188.1	215.4	199.0	176.6	169.3	168.1
67.5°	424.8	123.8	135.9	150.5	177.2	206.9	194.8	172.9	167.5	165.7
70°	235.4	113.5	126.2	140.2	166.3	199.0	189.3	167.5	166.9	163.2
72.5°	143.2	102.6	115.9	129.2	154.1	189.3	179.6	160.8	154.7	147.5
73°	136.5	101.3	113.5	126.8	151.1	186.9	177.8	158.4	152.3	145.0
75°	110.4	91.0	103.8	115.3	140.2	177.2	167.5	149.9	140.2	134.7
77.5°	81.3	77.7	89.8	100.7	126.2	163.8	152.9	137.1	125.6	122.6
80°	60.1	64.3	75.9	85.6	111.0	150.5	137.7	122.6	115.3	111.7
82.5°	40.7	49.8	60.7	68.6	98.3	135.9	122.0	107.4	112.3	93.4
85°	23.7	34.6	43.7	53.4	78.9	121.4	106.2	91.6	80.1	72.2
87.5°	15.8	19.4	26.7	36.4	57.0	95.3	84.3	71.6	52.2	52.2
90°	8.8	11.4	12.6	11.2	14.9	48.7	35.9	40.4	11.1	10.5
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: P226556

CATALOG NUMBER: IST-AF-800-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)