

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: P226581

Luminaire Tested: **IST-AF-1000-LED-E1-T4FT-8030-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P226581
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-1000-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: 6742.1 lumens
Efficiency: N/A
Efficacy: 94.6 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 - G2

Input Watts (W): 71.3
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

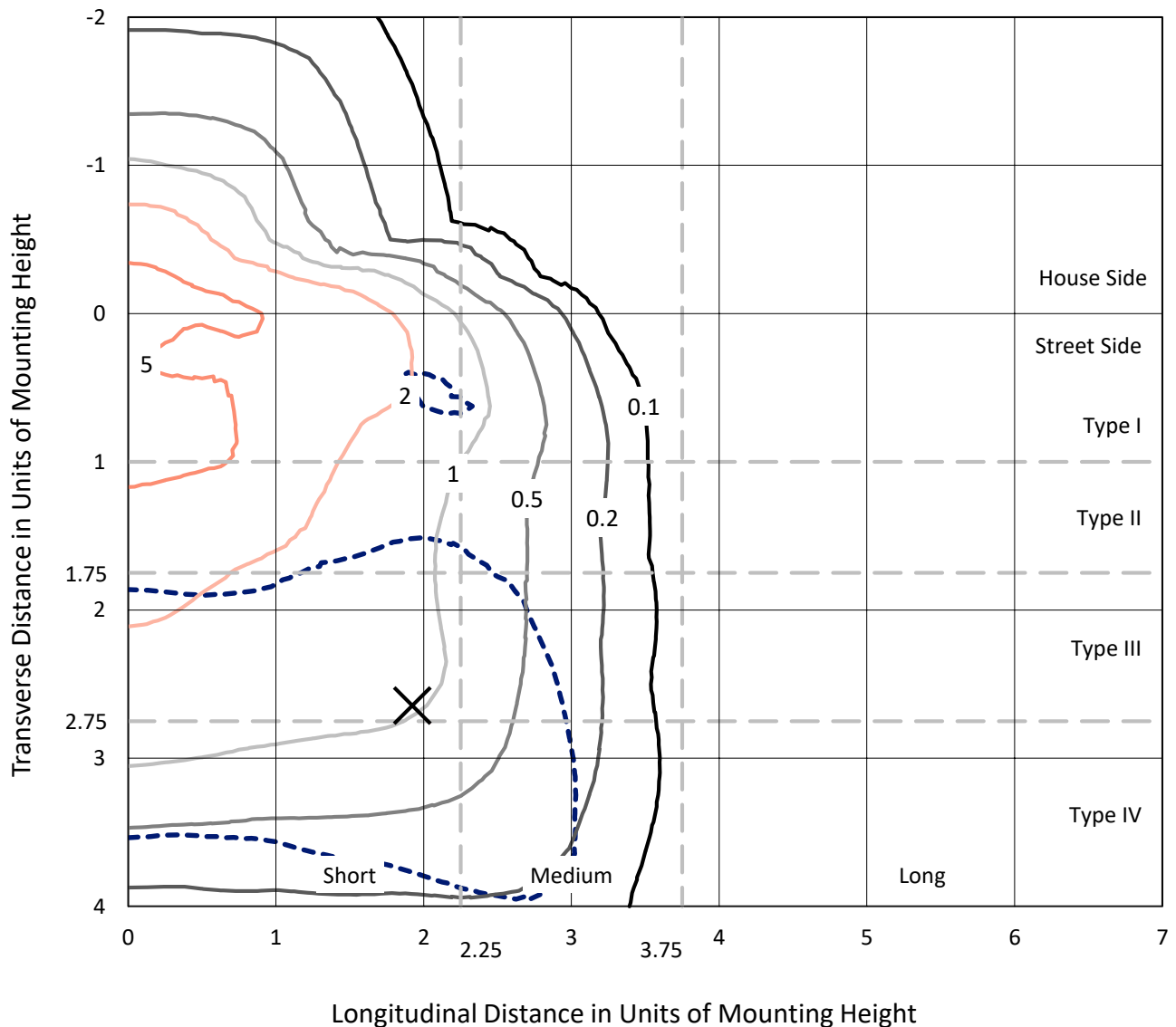


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

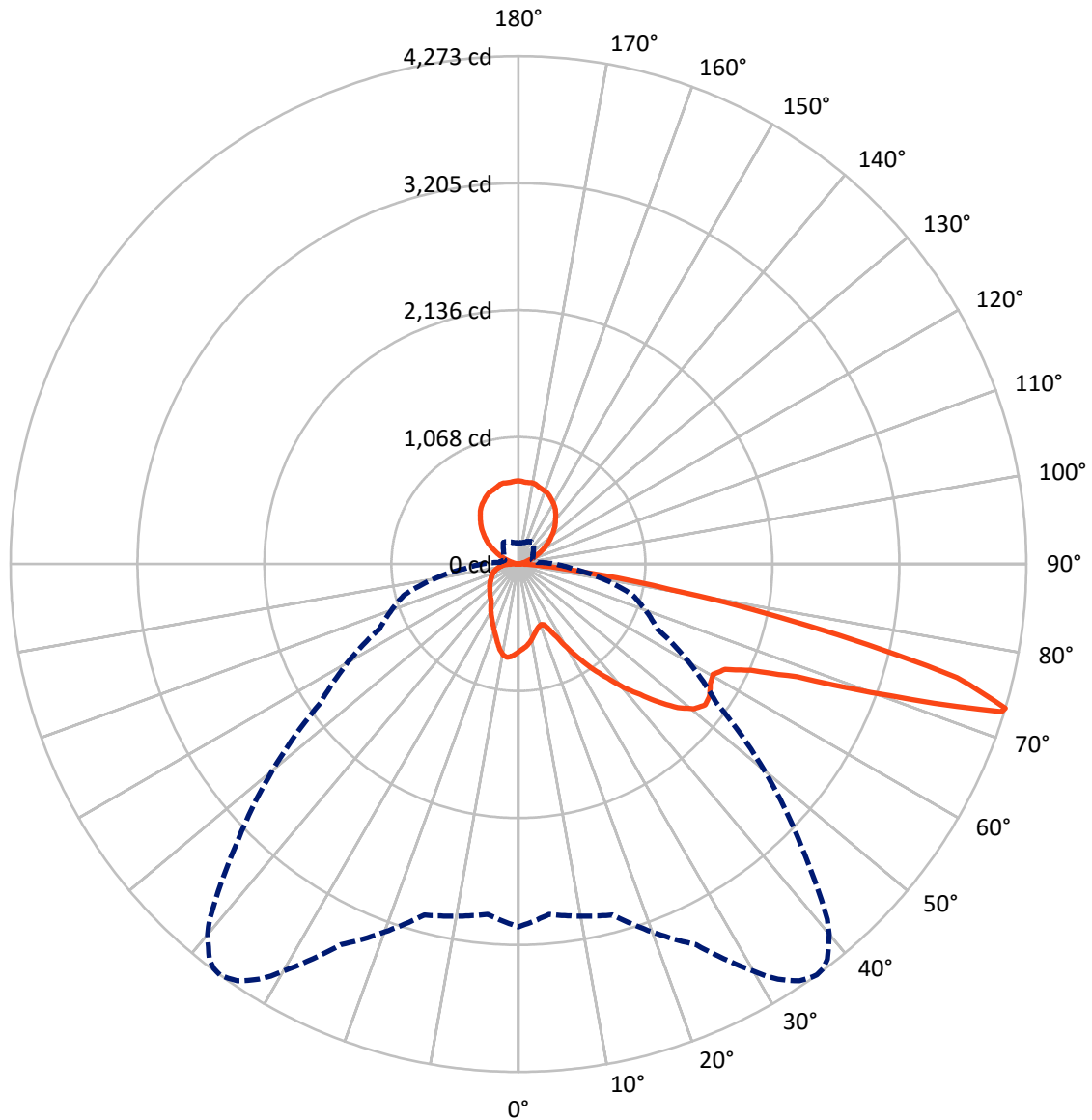


Based on 10 foot mounting height. Maximum calculated value = 7.7 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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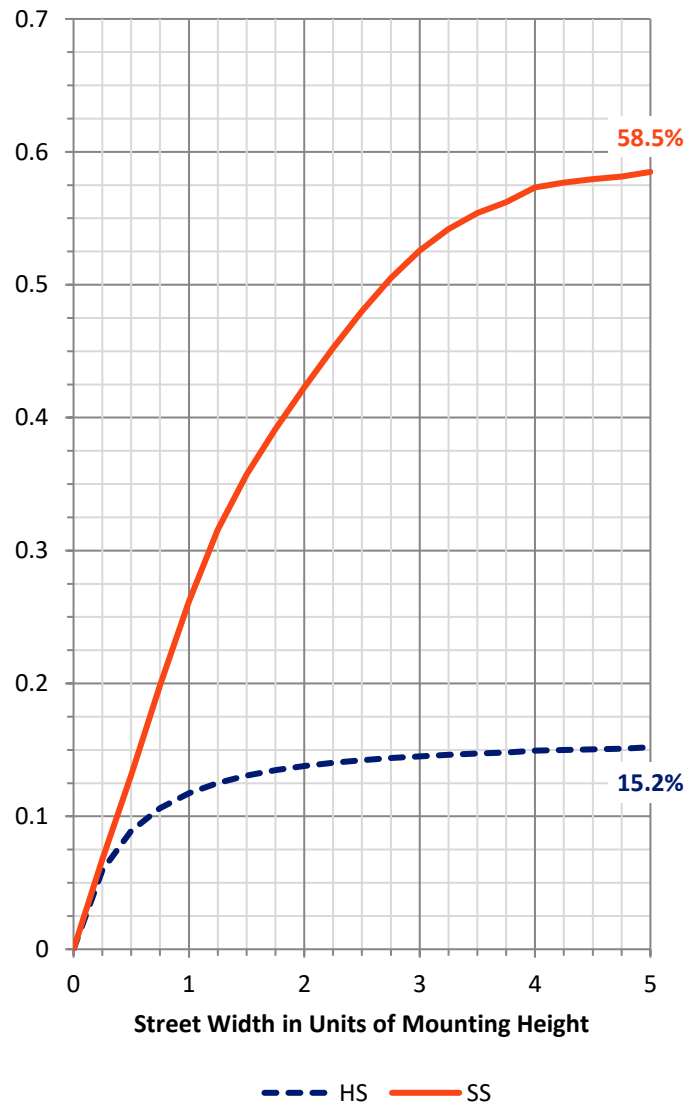
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1056.0	868.7	1924.8
	% Fixture	15.7	12.9	28.5
Street Side	Lumens	3949.4	868.0	4817.3
	% Fixture	58.6	12.9	71.5
Total	Lumens	5005.4	1736.7	6742.1
	% Fixture	74.2	25.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.2	1.0
10°-20°	183.4	2.7
20°-30°	300.5	4.5
30°-40°	498.0	7.4
40°-50°	731.8	10.9
50°-60°	922.7	13.7
60°-70°	1208.3	17.9
70°-80°	978.1	14.5
80°-90°	113.5	1.7
90°-100°	10.8	0.2
100°-110°	57.4	0.9
110°-120°	166.1	2.5
120°-130°	273.2	4.1
130°-140°	336.8	5.0
140°-150°	344.6	5.1
150°-160°	290.3	4.3
160°-170°	191.2	2.8
170°-180°	66.3	1.0
0°-90°	5005.4	74.2
0°-180°	6742.1	100.0



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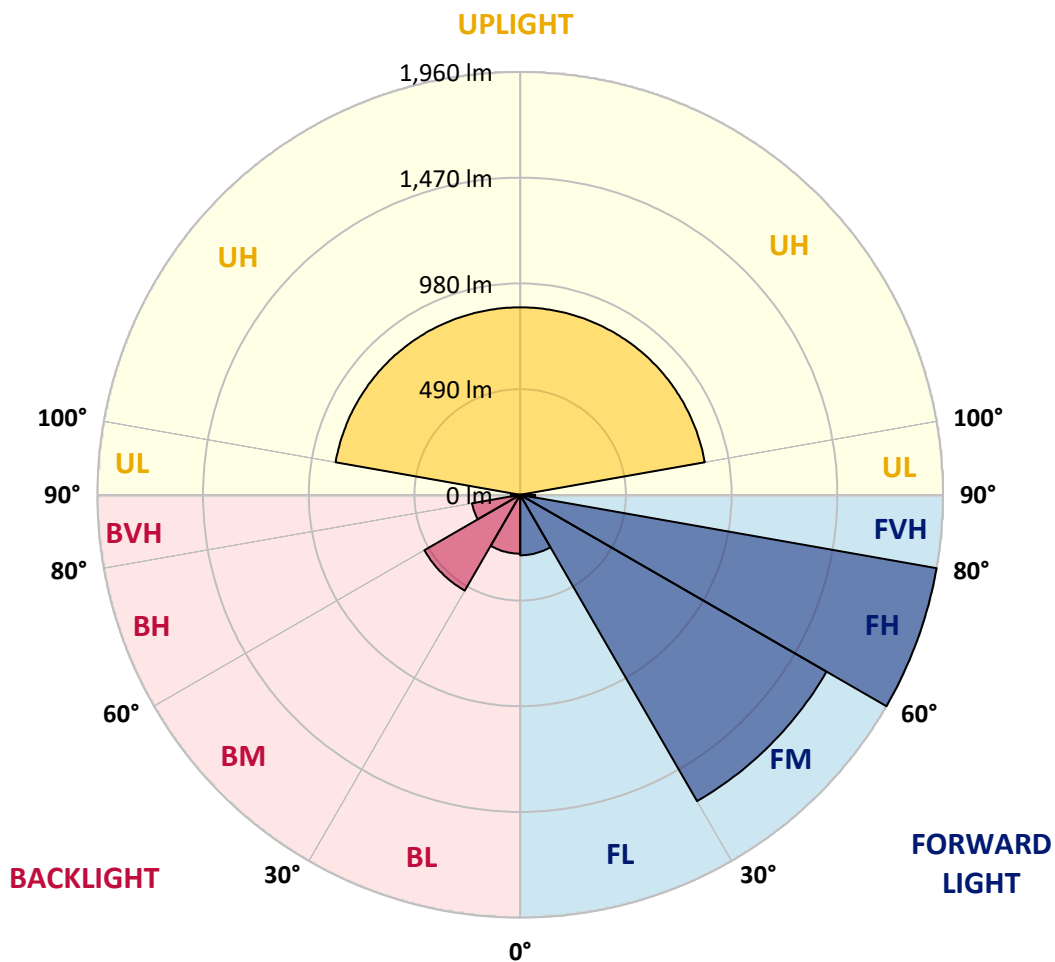
CATALOG NUMBER: IST-AF-1000-LED-E1-T4FT-8030-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	280.2	4.2			
FM	(30°-60°)	1639.4	24.3			
FH	(60°-80°)	1959.9	29.1			G2/5000
FVH	(80°-90°)	69.9	1.0			G1/100
BL	(0°-30°)	272.9	4.0	B1/500		
BM	(30°-60°)	513.0	7.6	B1/1000		
BH	(60°-80°)	226.5	3.4	B1/500		G1/500
BVH	(80°-90°)	43.6	0.6			G1/100
UL	(90°-100°)	10.8	0.2		U2/50	
UH	(100°-180°)	868.7	12.9		U4/1000	

BUG Rating: B1-U5-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	30°	31°	32°	33°	34°	35°	36°
0°	735.2	735.2	735.2	735.2	735.2	735.2	735.2	735.2	735.2	735.2	735.2
2.5°	708.6	710.1	711.5	711.5	711.5	713.7	712.9	712.9	713.7	714.4	714.4
5°	682.1	682.8	687.1	688.6	692.9	692.1	692.1	692.1	695.0	692.9	694.3
7.5°	652.0	653.4	657.7	662.7	666.3	667.0	666.3	664.9	668.5	669.9	668.5
10°	616.1	616.8	622.6	626.9	632.6	631.9	634.1	634.1	635.5	634.8	637.6
12.5°	598.2	596.8	593.9	596.0	597.5	597.5	597.5	599.6	598.9	600.3	602.5
15°	596.0	592.5	578.1	573.1	571.6	571.6	570.9	570.2	572.4	574.5	574.5
17.5°	606.1	598.9	570.9	556.6	553.7	552.3	553.0	551.6	551.6	554.4	553.7
20°	654.9	641.9	586.0	554.4	545.8	545.8	545.1	543.0	543.0	543.7	543.7
22.5°	778.9	762.4	664.9	599.6	569.5	568.8	566.6	564.5	558.7	557.3	554.4
25°	951.8	932.4	765.3	695.0	652.7	651.3	640.5	639.1	625.4	626.2	616.8
27.5°	1085.9	1073.0	899.4	806.2	766.0	757.4	752.4	739.5	728.0	718.7	707.2
30°	1131.8	1129.7	1035.0	959.7	899.4	889.4	875.8	870.0	853.5	840.6	832.7
32.5°	1204.3	1206.4	1167.0	1083.8	1031.4	1021.4	1009.9	996.3	984.8	976.2	957.5
35°	1307.6	1308.3	1281.0	1218.6	1158.4	1144.7	1138.3	1122.5	1111.7	1101.0	1091.7
37.5°	1379.3	1382.9	1363.5	1315.4	1279.6	1260.2	1259.5	1248.0	1235.8	1226.5	1217.9
40°	1517.0	1497.6	1433.8	1402.9	1373.5	1371.4	1364.9	1358.5	1361.3	1356.3	1365.6
42.5°	1656.1	1631.7	1542.8	1499.1	1481.1	1484.7	1482.6	1483.3	1491.9	1489.7	1499.8
45°	1775.2	1747.2	1662.6	1610.9	1625.3	1629.6	1641.8	1649.0	1645.4	1658.3	1658.3
47.5°	1894.3	1829.0	1728.6	1752.2	1762.3	1795.3	1803.9	1801.7	1813.9	1819.7	1803.9
50°	1810.3	1793.1	1785.2	1857.7	1902.9	1913.6	1925.8	1932.3	1938.0	1930.1	1914.3
52.5°	1633.2	1631.7	1742.9	1920.1	1958.1	1972.4	1983.9	1988.9	1986.8	1982.5	1969.6
55°	1573.7	1562.2	1658.3	1855.5	1913.6	1927.3	1943.8	1953.8	1963.8	1962.4	1952.4
57.5°	1654.7	1645.4	1646.1	1798.9	1855.5	1867.7	1878.5	1890.0	1892.8	1902.2	1902.9
60°	1890.0	1877.8	1779.5	1796.7	1854.1	1867.7	1869.2	1875.6	1876.3	1881.4	1882.1
62.5°	2229.2	2207.0	2057.1	1928.0	1948.1	1954.5	1959.5	1958.1	1955.2	1951.6	1951.6
65°	2600.8	2580.0	2387.0	2236.4	2178.3	2194.1	2169.0	2163.9	2158.2	2158.2	2151.8
67.5°	3042.6	3003.1	2853.9	2684.7	2600.8	2608.6	2620.1	2576.4	2560.6	2562.0	2528.3
70°	3493.0	3451.4	3386.1	3384.0	3426.3	3407.7	3354.6	3424.9	3341.7	3321.6	3314.4
72.5°	3244.1	3194.6	3208.3	3613.5	3993.7	4055.3	4114.2	4168.7	4217.4	4246.9	4251.2
73°	3053.3	2959.4	3056.9	3533.2	3954.9	4046.0	4119.2	4177.3	4229.6	4256.2	4272.7
75°	1524.9	1529.9	2010.5	2914.9	3456.4	3534.6	3648.7	3712.5	3807.2	3855.9	3812.9
77.5°	353.6	366.5	608.9	1383.6	2072.1	2184.0	2275.1	2368.4	2478.1	2519.0	2483.1
80°	124.8	130.5	214.5	525.7	865.0	926.7	1004.9	1107.4	1209.3	1234.4	1297.5
82.5°	66.0	72.4	113.3	228.1	369.4	403.8	423.9	466.2	502.1	523.6	535.1
85°	38.0	38.7	64.6	126.2	169.3	182.9	195.8	205.9	217.3	209.4	209.4
87.5°	15.1	16.5	33.0	59.5	81.8	91.1	91.1	91.1	90.4	79.6	72.4
90°	7.9	9.3	13.5	20.2	18.8	18.8	18.0	16.6	15.9	16.6	12.9
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°	735.2	735.2	735.2	735.2	735.2	735.2	735.2	735.2	735.2	735.2	735.2
2.5°	715.8	716.5	715.1	718.0	715.8	715.8	719.4	725.9	730.9	732.3	736.6
5°	695.7	696.5	696.5	697.2	696.5	697.9	704.3	710.1	720.1	725.1	731.6
7.5°	669.9	672.1	671.3	672.8	672.8	674.2	684.3	693.6	703.6	712.9	720.8
10°	639.1	640.5	643.4	641.9	641.9	646.2	657.0	670.6	682.8	696.5	705.8
12.5°	602.5	606.1	605.4	608.2	609.7	612.5	630.5	645.5	660.6	676.4	688.6
15°	573.8	576.0	577.4	578.1	578.1	584.6	602.5	621.1	641.2	659.9	672.8
17.5°	555.2	555.2	556.6	557.3	558.7	563.0	581.7	602.5	625.4	648.4	662.7
20°	544.4	544.4	545.1	545.8	545.8	550.8	568.1	591.7	616.8	646.2	663.5
22.5°	553.0	550.8	550.1	550.1	547.3	547.3	563.8	588.9	620.4	658.4	680.7
25°	611.8	605.4	595.3	593.2	589.6	572.4	570.2	598.9	637.6	685.0	718.7
27.5°	700.0	693.6	687.1	679.2	673.5	641.9	598.9	624.7	670.6	738.1	779.7
30°	815.5	802.6	793.3	784.7	759.6	725.1	658.4	664.9	721.6	811.9	864.3
32.5°	944.6	931.0	916.6	896.6	890.1	834.2	748.8	731.6	786.1	898.0	952.5
35°	1069.4	1063.0	1052.9	1045.0	1030.0	983.4	866.4	811.9	860.7	999.1	1041.5
37.5°	1214.3	1202.1	1202.8	1196.4	1187.8	1148.3	988.4	908.8	941.0	1096.0	1122.5
40°	1357.0	1354.2	1358.5	1347.7	1333.4	1280.3	1078.0	979.8	1025.0	1189.2	1182.7
42.5°	1491.9	1494.0	1489.0	1476.8	1461.0	1372.1	1135.4	1040.0	1100.3	1271.0	1230.8
45°	1646.1	1638.2	1617.4	1595.9	1576.5	1451.0	1166.3	1107.4	1172.7	1359.2	1279.6
47.5°	1791.7	1760.9	1742.9	1709.9	1671.9	1522.7	1207.9	1178.4	1253.0	1442.4	1326.2
50°	1898.6	1869.9	1839.8	1799.6	1759.4	1585.1	1263.1	1258.8	1344.1	1535.6	1390.0
52.5°	1947.3	1920.8	1891.4	1850.5	1810.3	1630.3	1337.0	1337.0	1451.7	1659.0	1478.3
55°	1939.4	1920.1	1894.3	1857.0	1826.1	1654.7	1413.0	1423.0	1586.6	1792.4	1580.1
57.5°	1897.8	1887.1	1872.0	1846.2	1821.1	1673.3	1502.6	1509.1	1767.3	1920.8	1676.2
60°	1883.5	1879.2	1870.6	1855.5	1836.2	1714.2	1598.0	1612.4	1969.6	2038.4	1730.7
62.5°	1947.3	1938.7	1932.3	1917.2	1899.3	1814.6	1717.8	1722.1	2159.6	2052.8	1677.7
65°	2126.7	2110.9	2100.1	2080.0	2059.9	1966.0	1870.6	1824.0	2252.9	1918.6	1497.6
67.5°	2502.5	2476.7	2445.8	2407.8	2352.6	2268.0	2021.9	1838.3	2168.3	1625.3	1181.3
70°	3245.6	3189.6	3118.6	3037.6	3016.8	2770.0	2116.6	1732.2	1802.5	1135.4	783.2
72.5°	4244.0	4185.9	4122.8	4056.1	3924.1	3381.8	2075.0	1397.2	1121.1	583.8	373.0
73°	4260.5	4221.0	4145.0	4067.5	3959.9	3371.1	2029.8	1288.2	988.4	459.8	305.5
75°	3820.8	3805.0	3730.4	3581.2	3490.1	2847.5	1494.8	746.7	432.5	284.0	198.7
77.5°	2479.5	2462.3	2420.0	2405.7	2237.8	1846.2	669.2	290.5	235.3	188.6	140.6
80°	1321.2	1240.8	1226.5	1169.1	1046.5	710.8	228.8	177.9	156.4	126.2	98.3
82.5°	535.8	501.4	488.4	442.5	416.0	213.0	114.8	123.4	104.7	74.6	60.2
85°	197.2	181.5	177.2	144.2	127.0	63.1	70.3	86.8	65.3	41.6	30.1
87.5°	68.1	58.8	50.9	39.4	36.6	25.8	38.7	47.3	41.6	25.1	14.3
90°	12.8	12.0	11.2	10.4	11.0	9.9	11.3	15.5	16.2	11.3	9.9
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-1000-LED-E1-T4FT-8030-ULG

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	735.2	735.2	735.2	735.2	735.2	735.2	735.2	735.2	735.2	735.2
2.5°	738.1	740.9	746.7	751.0	754.5	759.6	761.0	763.9	760.3	764.6
5°	735.2	743.8	754.5	764.6	773.9	781.8	785.4	786.1	786.8	789.7
7.5°	728.0	740.9	758.1	771.8	786.1	791.1	793.3	794.0	789.0	791.1
10°	713.7	734.5	756.0	772.5	779.7	776.1	770.3	761.0	756.7	756.7
12.5°	697.9	724.4	749.5	758.9	752.4	738.8	723.0	705.8	699.3	699.3
15°	685.0	718.7	739.5	733.0	714.4	688.6	667.0	649.1	643.4	641.2
17.5°	677.8	715.8	723.7	703.6	672.1	639.8	618.3	603.2	598.2	598.2
20°	683.5	718.7	705.8	668.5	629.0	599.6	581.0	570.9	565.9	568.1
22.5°	707.9	729.4	690.0	634.1	586.0	560.9	552.3	545.8	545.1	546.5
25°	748.8	743.8	676.4	598.2	545.8	527.9	527.2	525.0	524.3	523.6
27.5°	801.9	761.7	659.9	558.0	505.7	497.1	501.4	500.6	499.9	500.6
30°	872.2	777.5	635.5	514.3	467.6	467.6	474.1	472.0	469.1	469.8
32.5°	937.4	789.0	598.2	465.5	437.5	439.0	441.1	435.4	428.2	429.6
35°	993.4	789.0	548.0	421.7	406.7	406.7	408.1	403.1	397.4	395.2
37.5°	1040.0	773.2	484.9	388.8	381.6	381.6	387.3	382.3	371.5	369.4
40°	1068.0	738.8	426.8	364.4	369.4	370.1	362.2	353.6	343.6	341.4
42.5°	1085.9	688.6	380.9	347.2	361.5	355.8	337.1	323.5	322.8	325.6
45°	1101.7	631.9	344.3	329.9	352.9	340.7	315.6	302.7	307.0	309.9
47.5°	1117.5	575.2	314.9	310.6	337.1	328.5	302.0	287.6	285.5	289.8
50°	1154.8	496.3	281.2	287.6	317.7	314.9	289.8	273.3	259.6	258.9
52.5°	1205.0	390.9	252.5	267.5	302.7	307.0	276.1	260.4	241.7	238.8
55°	1260.9	299.8	228.8	251.8	288.3	295.5	271.1	247.5	227.4	224.5
57.5°	1277.4	236.7	206.6	229.5	269.0	284.7	263.2	232.4	217.3	214.5
60°	1220.8	196.5	187.9	210.9	249.6	274.0	251.0	220.9	207.3	205.1
62.5°	1047.9	173.6	177.9	198.7	235.3	263.9	241.7	212.3	201.5	200.1
65°	799.7	157.8	169.3	188.6	222.3	254.6	235.3	208.7	200.1	198.7
67.5°	502.1	146.3	160.7	177.9	209.4	244.6	230.2	204.4	198.0	195.8
70°	278.3	134.1	149.2	165.7	196.5	235.3	223.8	198.0	197.2	192.9
72.5°	169.3	121.2	137.0	152.8	182.2	223.8	212.3	190.1	182.9	174.3
73°	161.4	119.8	134.1	149.9	178.6	220.9	210.2	187.2	180.0	171.4
75°	130.5	107.6	122.7	136.3	165.7	209.4	198.0	177.2	165.7	159.2
77.5°	96.1	91.8	106.2	119.1	149.2	193.7	180.7	162.1	148.5	144.9
80°	71.0	76.0	89.7	101.1	131.3	177.9	162.8	144.9	136.3	132.0
82.5°	48.1	58.8	71.7	81.0	116.2	160.7	144.2	127.0	132.7	110.5
85°	28.0	40.9	51.6	63.1	93.2	143.5	125.5	108.3	94.7	85.4
87.5°	18.6	23.0	31.6	43.0	67.4	112.6	99.7	84.6	61.7	61.7
90°	9.2	11.9	13.3	12.0	16.3	56.1	41.0	46.4	12.2	11.5
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: P226581

CATALOG NUMBER: IST-AF-1000-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)