

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: P226558

Luminaire Tested: **IST-AF-800-LED-E1-T4FT-7050-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P226558
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-7050-ULG
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE WITH UPLIGHT
LIGHT SQUARE WITH ACCULED OPTICS-TYPE IV FORWARD THROW, WITH UPLIGHT GLOW
Light Source: (16) 5000K CCT, 70 CRI LEDs and (1) UPLIGHT LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6926.2 lumens
Efficiency: N/A
Efficacy: 115.1 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 - G2

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

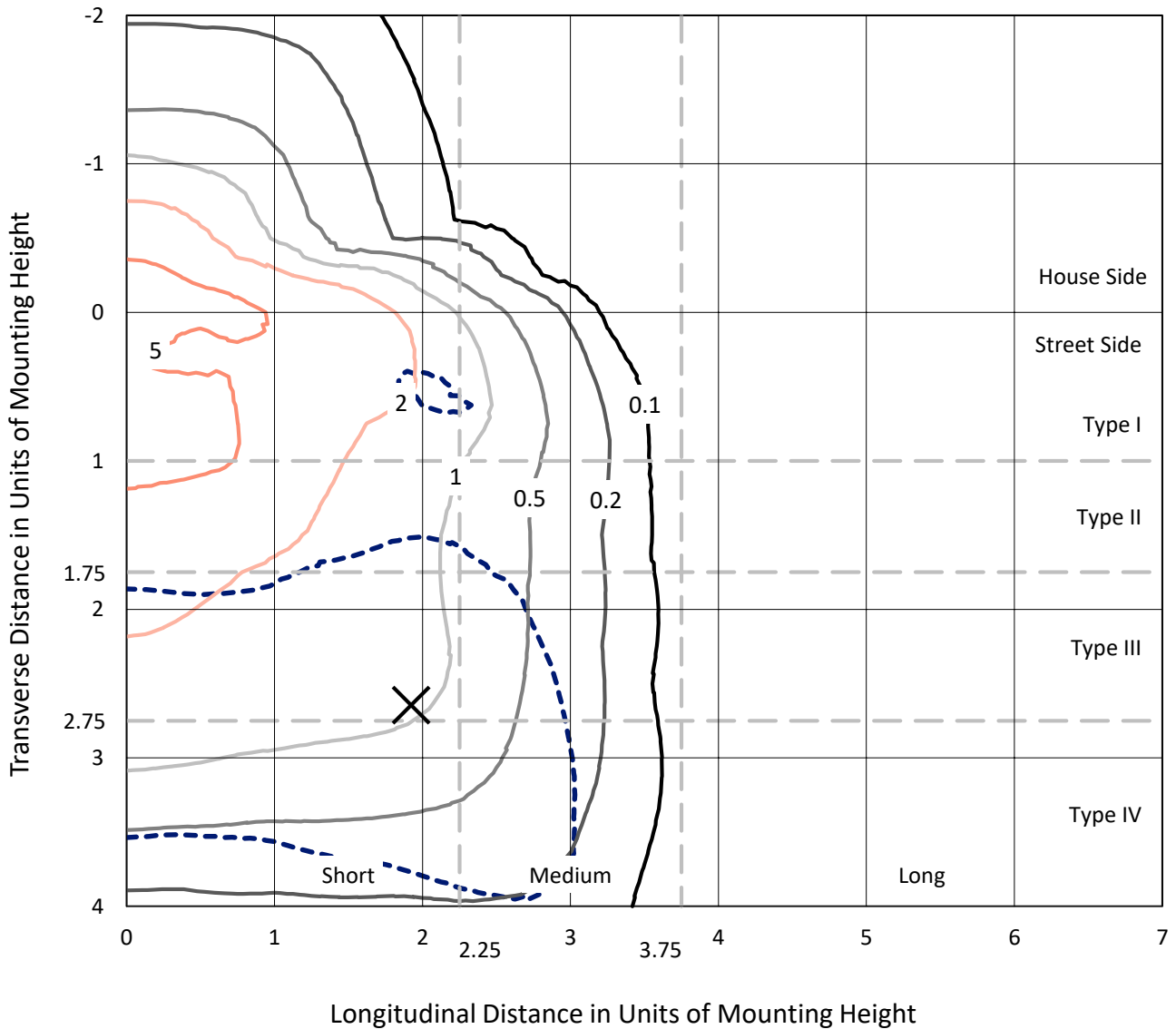


REPORT NUMBER: P226558

CATALOG NUMBER: IST-AF-800-LED-E1-T4FT-7050-ULG

Iso-Footcandle Lines of Horizontal Illumination

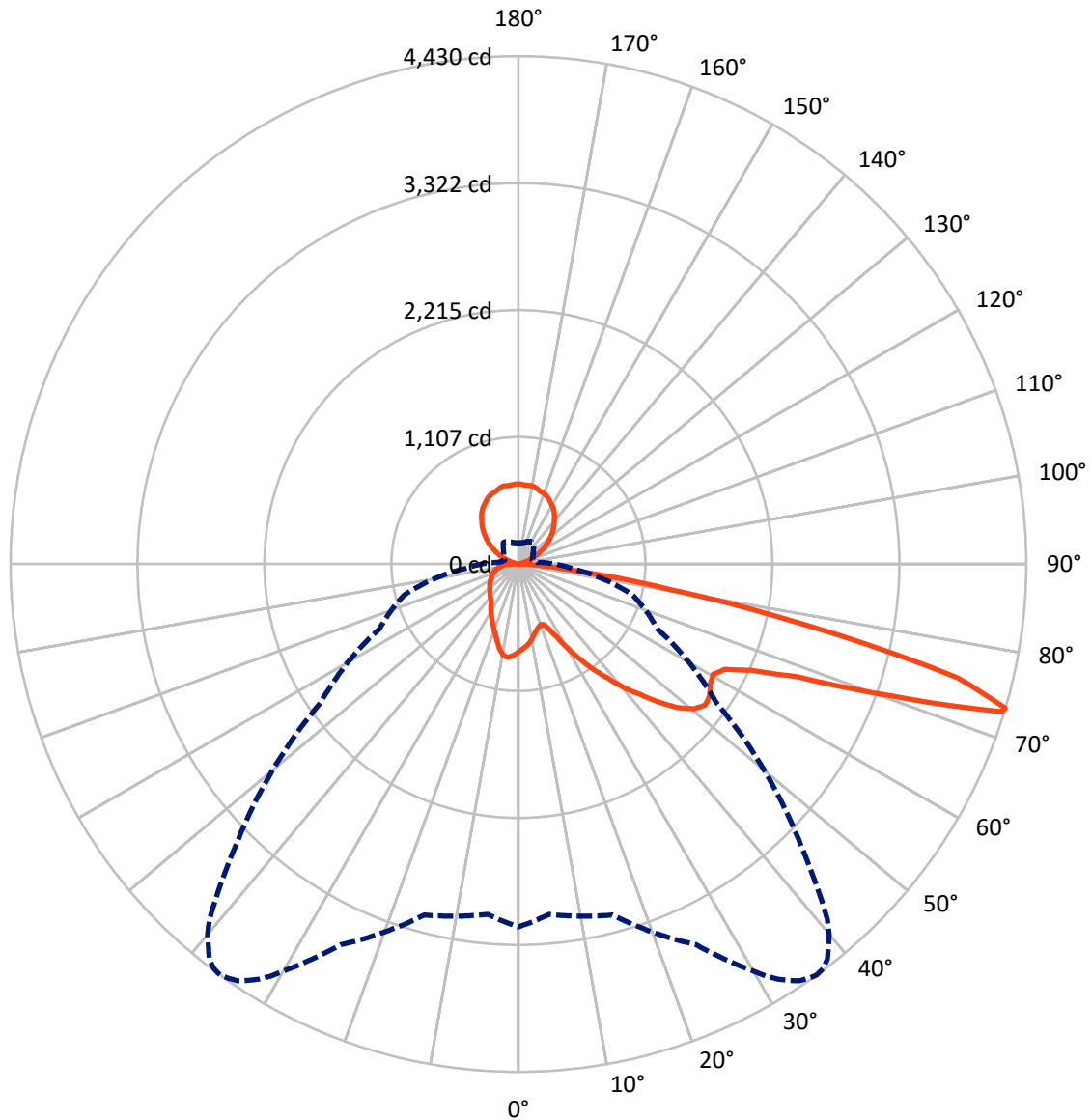
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P226558
CATALOG NUMBER: IST-AF-800-LED-E1-T4FT-7050-ULG

Luminous Intensity Polar Plot



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

REPORT NUMBER: P226558

CATALOG NUMBER: IST-AF-800-LED-E1-T4FT-7050-ULG

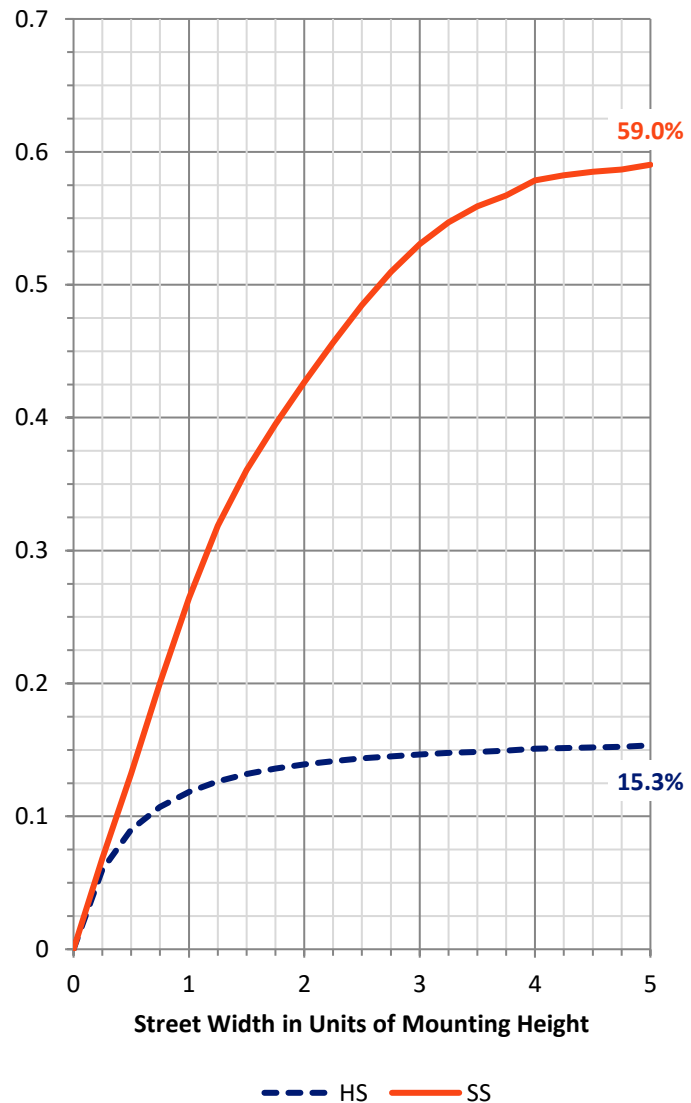
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1094.9	868.8	1963.6
	% Fixture	15.8	12.5	28.4
Street Side	Lumens	4094.6	868.0	4962.6
	% Fixture	59.1	12.5	71.6
Total	Lumens	5189.5	1736.8	6926.2
	% Fixture	74.9	25.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.7	1.0
10°-20°	190.1	2.7
20°-30°	311.6	4.5
30°-40°	516.3	7.5
40°-50°	758.7	11.0
50°-60°	956.6	13.8
60°-70°	1252.7	18.1
70°-80°	1014.1	14.6
80°-90°	117.7	1.7
90°-100°	10.9	0.2
100°-110°	57.4	0.8
110°-120°	166.1	2.4
120°-130°	273.2	3.9
130°-140°	336.8	4.9
140°-150°	344.6	5.0
150°-160°	290.3	4.2
160°-170°	191.2	2.8
170°-180°	66.3	1.0
0°-90°	5189.5	74.9
0°-180°	6926.2	100.0

Coefficient of Utilization



REPORT NUMBER: P226558

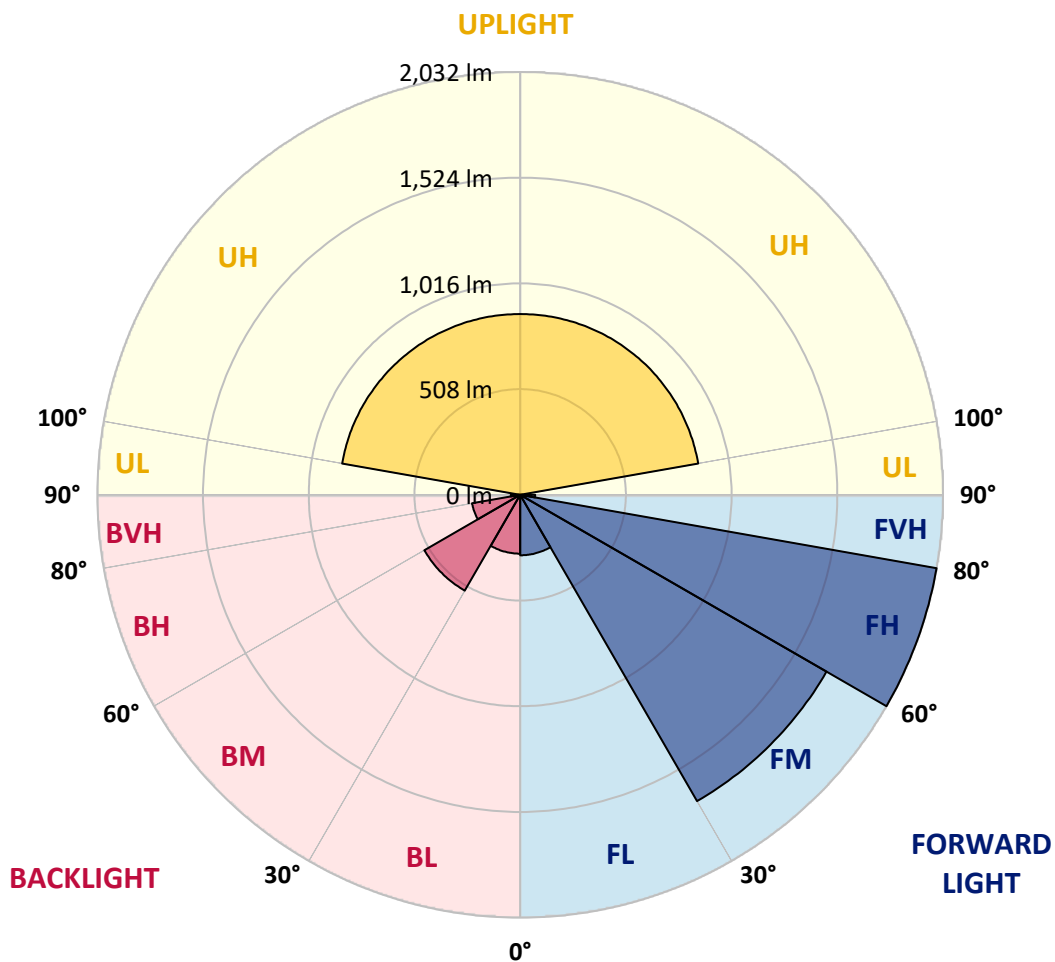
CATALOG NUMBER: IST-AF-800-LED-E1-T4FT-7050-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	290.5	4.2			
FM (30°-60°)	1699.7	24.5			
FH (60°-80°)	2031.9	29.3			G2/5000
FVH (80°-90°)	72.5	1.0			G1/100
BL (0°-30°)	282.9	4.1	B1/500		
BM (30°-60°)	531.9	7.7	B1/1000		
BH (60°-80°)	234.8	3.4	B1/500		G1/500
BVH (80°-90°)	45.2	0.7			G1/100
UL (90°-100°)	10.9	0.2		U2/50	
UH (100°-180°)	868.8	12.5		U4/1000	

BUG Rating: B1-U5-G2

Type IV Short





REPORT NUMBER: P226558

CATALOG NUMBER: IST-AF-800-LED-E1-T4FT-7050-ULG

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	30°	31°	32°	33°	34°	35°	36°
0°	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2
2.5°	734.7	736.2	737.7	737.7	737.7	739.9	739.2	739.2	739.9	740.7	740.7
5°	707.2	707.9	712.4	713.9	718.4	717.6	717.6	717.6	720.6	718.4	719.8
7.5°	676.0	677.5	681.9	687.1	690.8	691.6	690.8	689.3	693.1	694.6	693.1
10°	638.8	639.5	645.5	649.9	655.9	655.1	657.4	657.4	658.9	658.1	661.1
12.5°	620.2	618.7	615.7	618.0	619.4	619.4	619.4	621.7	620.9	622.4	624.7
15°	618.0	614.2	599.4	594.2	592.7	592.7	591.9	591.2	593.4	595.7	595.7
17.5°	628.4	620.9	591.9	577.1	574.1	572.6	573.3	571.9	571.9	574.8	574.1
20°	678.9	665.6	607.5	574.8	565.9	565.9	565.2	562.9	562.9	563.7	563.7
22.5°	807.6	790.5	689.3	621.7	590.4	589.7	587.5	585.2	579.3	577.8	574.8
25°	986.8	966.7	793.5	720.6	676.7	675.2	664.1	662.6	648.4	649.2	639.5
27.5°	1125.9	1112.5	932.5	835.8	794.2	785.3	780.1	766.7	754.8	745.1	733.2
30°	1173.5	1171.2	1073.1	995.0	932.5	922.1	908.0	902.0	884.9	871.5	863.4
32.5°	1248.6	1250.8	1209.9	1123.6	1069.3	1058.9	1047.0	1032.9	1021.0	1012.1	992.8
35°	1355.6	1356.4	1328.1	1263.4	1201.0	1186.8	1180.1	1163.8	1152.6	1141.5	1131.8
37.5°	1430.0	1433.7	1413.6	1363.8	1326.6	1306.6	1305.8	1293.9	1281.3	1271.6	1262.7
40°	1572.8	1552.7	1486.5	1454.5	1424.1	1421.8	1415.1	1408.4	1411.4	1406.2	1415.9
42.5°	1717.1	1691.8	1599.6	1554.2	1535.6	1539.3	1537.1	1537.8	1546.8	1544.5	1554.9
45°	1840.5	1811.5	1723.7	1670.2	1685.1	1689.5	1702.2	1709.6	1705.9	1719.3	1719.3
47.5°	1963.9	1896.3	1792.2	1816.7	1827.1	1861.3	1870.2	1868.0	1880.7	1886.6	1870.2
50°	1876.9	1859.1	1850.9	1926.0	1972.9	1984.0	1996.7	2003.4	2009.3	2001.1	1984.8
52.5°	1693.3	1691.8	1807.0	1990.7	2030.1	2045.0	2056.9	2062.1	2059.9	2055.4	2042.0
55°	1631.5	1619.6	1719.3	1923.8	1984.0	1998.1	2015.2	2025.7	2036.1	2034.6	2024.2
57.5°	1715.6	1705.9	1706.6	1865.0	1923.8	1936.4	1947.6	1959.5	1962.5	1972.1	1972.9
60°	1959.5	1946.8	1845.0	1862.8	1922.3	1936.4	1937.9	1944.6	1945.3	1950.6	1951.3
62.5°	2311.2	2288.2	2132.7	1998.9	2019.7	2026.4	2031.6	2030.1	2027.1	2023.4	2023.4
65°	2696.4	2674.9	2474.8	2318.7	2258.4	2274.8	2248.7	2243.5	2237.6	2237.6	2230.9
67.5°	3154.5	3113.6	2958.9	2783.4	2696.4	2704.6	2716.5	2671.1	2654.8	2656.3	2621.3
70°	3621.5	3578.4	3510.7	3508.5	3552.3	3533.0	3478.0	3550.9	3464.6	3443.8	3436.3
72.5°	3363.5	3312.1	3326.3	3746.4	4140.6	4204.5	4265.5	4322.0	4372.6	4403.1	4407.5
73°	3165.7	3068.2	3169.4	3663.1	4100.4	4194.8	4270.7	4330.9	4385.2	4412.7	4429.8
75°	1581.0	1586.2	2084.4	3022.1	3583.6	3664.6	3782.9	3849.1	3947.2	3997.8	3953.2
77.5°	366.6	380.0	631.3	1434.5	2148.4	2264.4	2358.8	2455.5	2569.3	2611.6	2574.5
80°	129.4	135.3	222.3	545.1	896.8	960.8	1041.8	1148.2	1253.8	1279.8	1345.2
82.5°	68.4	75.1	117.5	236.5	383.0	418.7	439.5	483.4	520.5	542.9	554.8
85°	39.4	40.2	66.9	130.9	175.5	189.6	203.0	213.4	225.3	217.1	217.1
87.5°	15.6	17.1	34.2	61.7	84.8	94.4	94.4	94.4	93.7	82.5	75.1
90°	8.0	9.5	13.7	20.6	19.2	19.2	18.4	16.9	16.2	16.9	13.1
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



REPORT NUMBER: P226558

CATALOG NUMBER: IST-AF-800-LED-E1-T4FT-7050-ULG

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



REPORT NUMBER: P226558

CATALOG NUMBER: IST-AF-800-LED-E1-T4FT-7050-ULG

CANDELA DISTRIBUTION (continued):

	37°	38°	39°	40°	41°	45°	55°	65°	75°	85°	90°
0°	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2
2.5°	742.1	742.9	741.4	744.4	742.1	742.1	745.9	752.6	757.8	759.3	763.7
5°	721.3	722.1	722.1	722.8	722.1	723.6	730.2	736.2	746.6	751.8	758.5
7.5°	694.6	696.8	696.0	697.5	697.5	699.0	709.4	719.1	729.5	739.2	747.4
10°	662.6	664.1	667.0	665.6	665.6	670.0	681.2	695.3	707.9	722.1	731.7
12.5°	624.7	628.4	627.6	630.6	632.1	635.1	653.7	669.3	684.9	701.2	713.9
15°	594.9	597.1	598.6	599.4	599.4	606.1	624.7	644.0	664.8	684.1	697.5
17.5°	575.6	575.6	577.1	577.8	579.3	583.8	603.1	624.7	648.4	672.2	687.1
20°	564.4	564.4	565.2	565.9	565.9	571.1	589.0	613.5	639.5	670.0	687.9
22.5°	573.3	571.1	570.4	570.4	567.4	567.4	584.5	610.5	643.2	682.7	705.7
25°	634.3	627.6	617.2	615.0	611.3	593.4	591.2	620.9	661.1	710.2	745.1
27.5°	725.8	719.1	712.4	704.2	698.3	665.6	620.9	647.7	695.3	765.2	808.3
30°	845.5	832.1	822.5	813.5	787.5	751.8	682.7	689.3	748.1	841.8	896.1
32.5°	979.4	965.2	950.4	929.5	922.9	864.8	776.4	758.5	815.0	931.0	987.5
35°	1108.8	1102.1	1091.7	1083.5	1067.9	1019.5	898.3	841.8	892.4	1035.9	1079.8
37.5°	1259.0	1246.3	1247.1	1240.4	1231.5	1190.6	1024.7	942.2	975.6	1136.3	1163.8
40°	1407.0	1404.0	1408.4	1397.3	1382.4	1327.4	1117.7	1015.8	1062.7	1232.9	1226.3
42.5°	1546.8	1549.0	1543.8	1531.1	1514.8	1422.6	1177.2	1078.3	1140.7	1317.7	1276.1
45°	1706.6	1698.5	1676.9	1654.6	1634.5	1504.4	1209.1	1148.2	1215.8	1409.2	1326.6
47.5°	1857.6	1825.6	1807.0	1772.8	1733.4	1578.7	1252.3	1221.8	1299.1	1495.4	1375.0
50°	1968.4	1938.7	1907.4	1865.8	1824.1	1643.4	1309.5	1305.1	1393.6	1592.1	1441.2
52.5°	2019.0	1991.5	1961.0	1918.6	1876.9	1690.3	1386.1	1386.1	1505.1	1720.0	1532.6
55°	2010.8	1990.7	1963.9	1925.3	1893.3	1715.6	1465.0	1475.4	1644.9	1858.3	1638.2
57.5°	1967.7	1956.5	1940.9	1914.1	1888.1	1734.9	1557.9	1564.6	1832.3	1991.5	1737.9
60°	1952.8	1948.3	1939.4	1923.8	1903.7	1777.3	1656.8	1671.7	2042.0	2113.4	1794.4
62.5°	2019.0	2010.0	2003.4	1987.7	1969.1	1881.4	1781.0	1785.5	2239.1	2128.3	1739.4
65°	2204.9	2188.5	2177.4	2156.5	2135.7	2038.3	1939.4	1891.1	2335.8	1989.2	1552.7
67.5°	2594.5	2567.8	2535.8	2496.4	2439.1	2351.4	2096.3	1905.9	2248.0	1685.1	1224.8
70°	3364.9	3306.9	3233.3	3149.3	3127.7	2871.9	2194.5	1795.9	1868.8	1177.2	812.0
72.5°	4400.1	4339.8	4274.4	4205.3	4068.4	3506.2	2151.3	1448.6	1162.3	605.3	386.7
73°	4417.2	4376.3	4297.5	4217.1	4105.6	3495.1	2104.5	1335.6	1024.7	476.7	316.8
75°	3961.3	3945.0	3867.6	3713.0	3618.5	2952.2	1549.7	774.1	448.4	294.5	206.0
77.5°	2570.7	2552.9	2509.0	2494.1	2320.1	1914.1	693.8	301.2	243.9	195.6	145.8
80°	1369.8	1286.5	1271.6	1212.1	1085.0	736.9	237.2	184.4	162.1	130.9	101.9
82.5°	555.5	519.8	506.4	458.8	431.3	220.9	119.0	127.9	108.6	77.3	62.5
85°	204.5	188.1	183.7	149.5	131.6	65.4	72.9	90.0	67.7	43.1	31.2
87.5°	70.6	61.0	52.8	40.9	37.9	26.8	40.2	49.1	43.1	26.0	14.9
90°	13.0	12.2	11.3	10.5	11.1	10.0	11.5	15.7	16.4	11.5	10.0
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: P226558

CATALOG NUMBER: IST-AF-800-LED-E1-T4FT-7050-ULG

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: P226558

CATALOG NUMBER: IST-AF-800-LED-E1-T4FT-7050-ULG

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2
2.5°	765.2	768.2	774.1	778.6	782.3	787.5	789.0	792.0	788.3	792.7
5°	762.2	771.1	782.3	792.7	802.4	810.6	814.3	815.0	815.8	818.7
7.5°	754.8	768.2	786.0	800.2	815.0	820.2	822.5	823.2	818.0	820.2
10°	739.9	761.5	783.8	800.9	808.3	804.6	798.7	789.0	784.5	784.5
12.5°	723.6	751.1	777.1	786.8	780.1	765.9	749.6	731.7	725.0	725.0
15°	710.2	745.1	766.7	760.0	740.7	713.9	691.6	673.0	667.0	664.8
17.5°	702.7	742.1	750.3	729.5	696.8	663.3	641.0	625.4	620.2	620.2
20°	708.7	745.1	731.7	693.1	652.2	621.7	602.3	591.9	586.7	589.0
22.5°	734.0	756.3	715.4	657.4	607.5	581.5	572.6	565.9	565.2	566.6
25°	776.4	771.1	701.2	620.2	565.9	547.3	546.6	544.3	543.6	542.9
27.5°	831.4	789.7	684.1	578.5	524.3	515.3	519.8	519.1	518.3	519.1
30°	904.3	806.1	658.9	533.2	484.8	484.8	491.5	489.3	486.3	487.1
32.5°	971.9	818.0	620.2	482.6	453.6	455.1	457.3	451.4	443.9	445.4
35°	1029.9	818.0	568.1	437.3	421.6	421.6	423.1	417.9	412.0	409.7
37.5°	1078.3	801.6	502.7	403.0	395.6	395.6	401.6	396.4	385.2	383.0
40°	1107.3	765.9	442.5	377.8	383.0	383.7	375.5	366.6	356.2	354.0
42.5°	1125.9	713.9	394.9	359.9	374.8	368.8	349.5	335.4	334.6	337.6
45°	1142.2	655.1	356.9	342.1	365.9	353.2	327.2	313.8	318.3	321.2
47.5°	1158.6	596.4	326.5	322.0	349.5	340.6	313.1	298.2	296.0	300.4
50°	1197.3	514.6	291.5	298.2	329.4	326.5	300.4	283.3	269.2	268.5
52.5°	1249.3	405.3	261.8	277.4	313.8	318.3	286.3	269.9	250.6	247.6
55°	1307.3	310.8	237.2	261.0	298.9	306.4	281.1	256.6	235.7	232.8
57.5°	1324.4	245.4	214.2	238.0	278.9	295.2	272.9	240.9	225.3	222.3
60°	1265.7	203.8	194.8	218.6	258.8	284.1	260.3	229.0	214.9	212.7
62.5°	1086.4	180.0	184.4	206.0	243.9	273.7	250.6	220.1	209.0	207.5
65°	829.2	163.6	175.5	195.6	230.5	264.0	243.9	216.4	207.5	206.0
67.5°	520.5	151.7	166.6	184.4	217.1	253.6	238.7	211.9	205.2	203.0
70°	288.5	139.1	154.7	171.8	203.8	243.9	232.0	205.2	204.5	200.0
72.5°	175.5	125.7	142.0	158.4	188.9	232.0	220.1	197.1	189.6	180.7
73°	167.3	124.2	139.1	155.4	185.2	229.0	217.9	194.1	186.7	177.7
75°	135.3	111.5	127.2	141.3	171.8	217.1	205.2	183.7	171.8	165.1
77.5°	99.6	95.2	110.1	123.4	154.7	200.8	187.4	168.1	153.9	150.2
80°	73.6	78.8	93.0	104.9	136.1	184.4	168.8	150.2	141.3	136.8
82.5°	49.8	61.0	74.4	84.0	120.5	166.6	149.5	131.6	137.6	114.5
85°	29.0	42.4	53.5	65.4	96.7	148.7	130.1	112.3	98.2	88.5
87.5°	19.3	23.8	32.7	44.6	69.9	116.8	103.4	87.7	64.0	64.0
90°	9.2	12.0	13.5	12.2	16.7	57.8	42.2	47.9	12.4	11.7
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: P226558

CATALOG NUMBER: IST-AF-800-LED-E1-T4FT-7050-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)