

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: P226590

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P226590
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35943)
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
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-TYPE IV FORWARD THROW
Light Source: (16) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5004.4 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U1 - G2

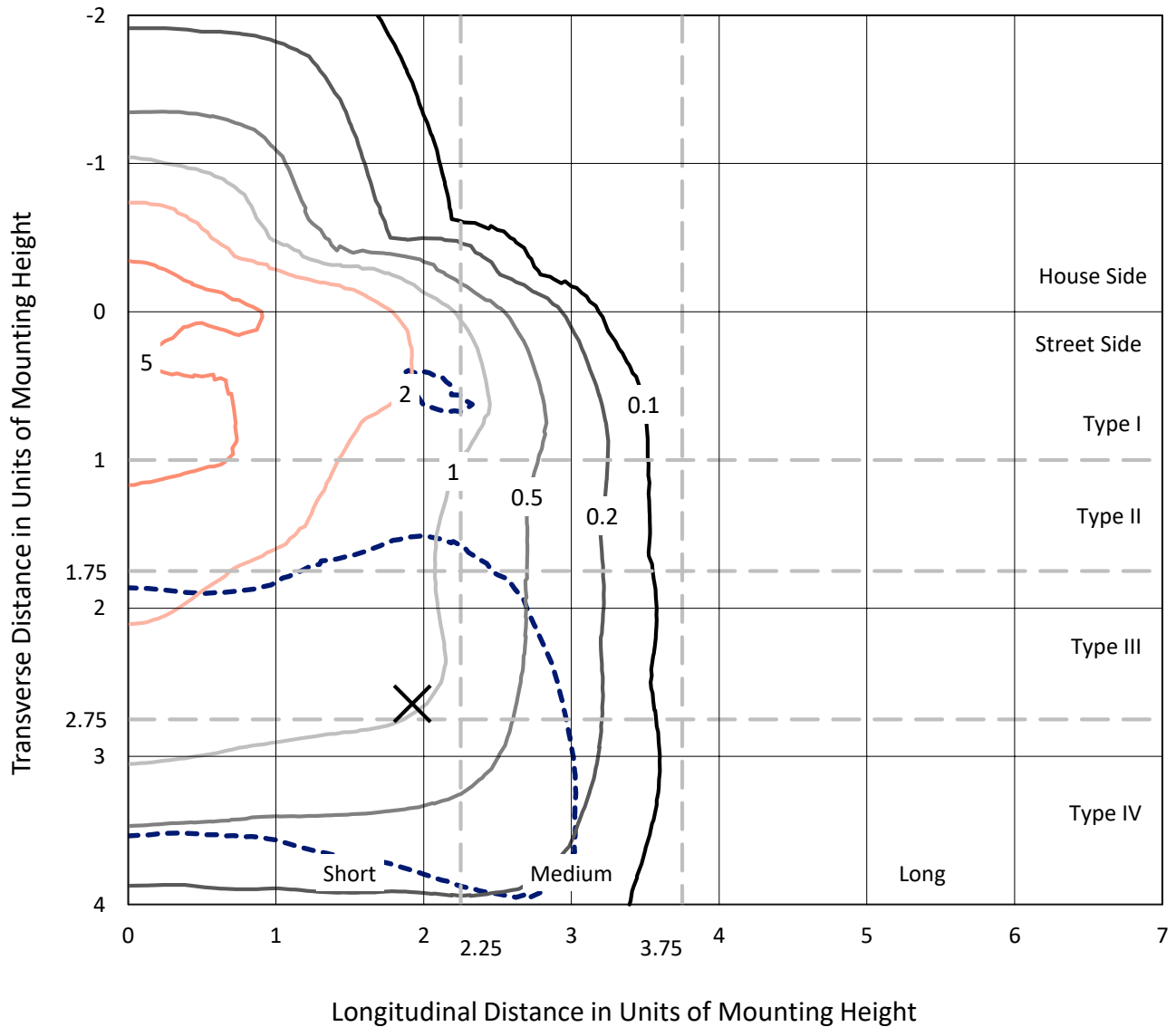
Input Watts (W): 54.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

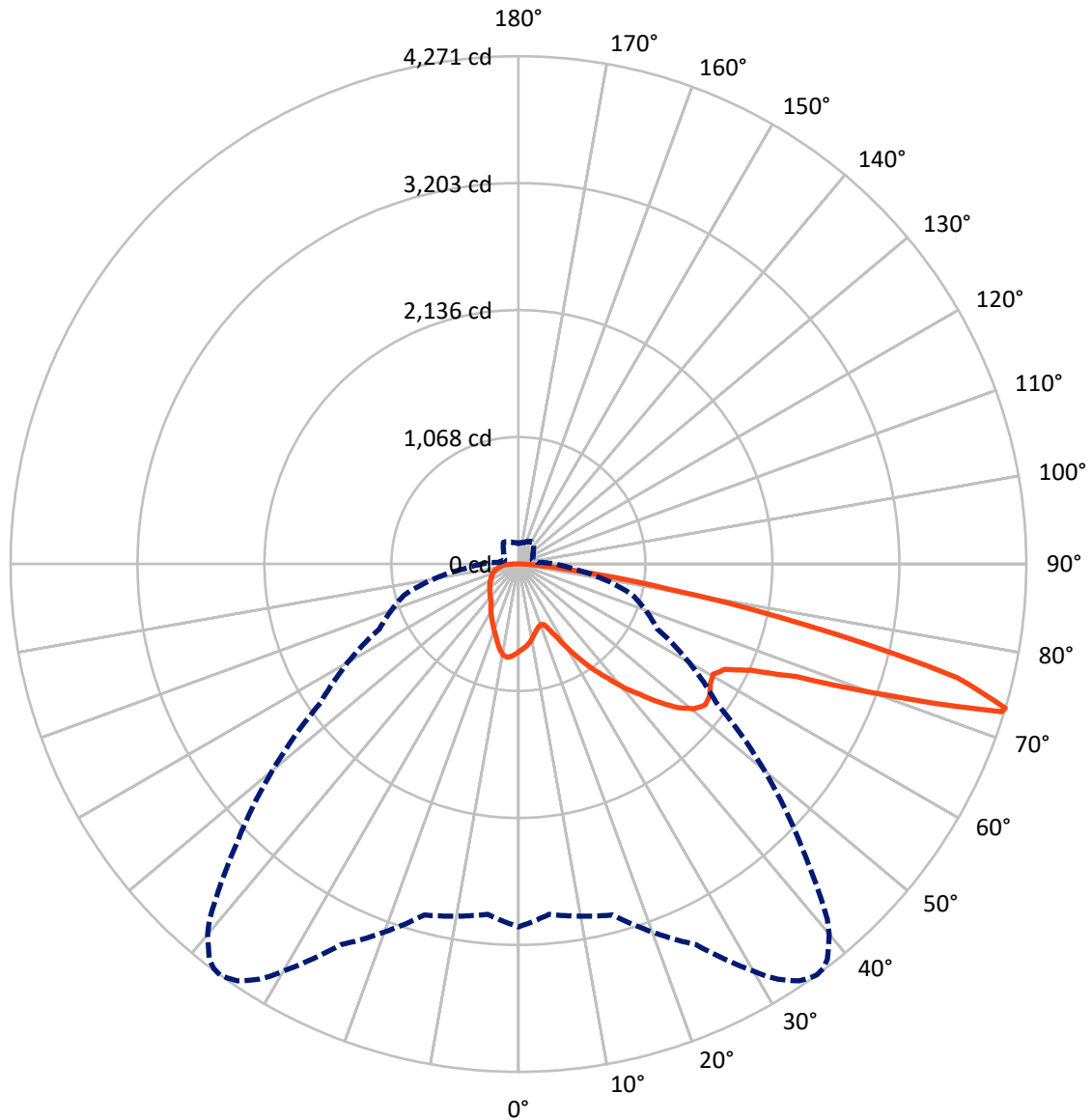
× Max cd
 - - - 1/2 Max cd



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	1055.2	1.2	1056.4
	% Fixture	21.1	0.0	21.1
Street Side	Lumens	3947.6	0.4	3948.0
	% Fixture	78.9	0.0	78.9
Total	Lumens	5002.8	1.6	5004.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.2	1.4
10°-20°	183.3	3.7
20°-30°	300.4	6.0
30°-40°	497.8	9.9
40°-50°	731.5	14.6
50°-60°	922.4	18.4
60°-70°	1207.9	24.1
70°-80°	977.8	19.5
80°-90°	112.5	2.2
90°-100°	1.6	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5002.8	100.0
0°-180°	5004.4	100.0



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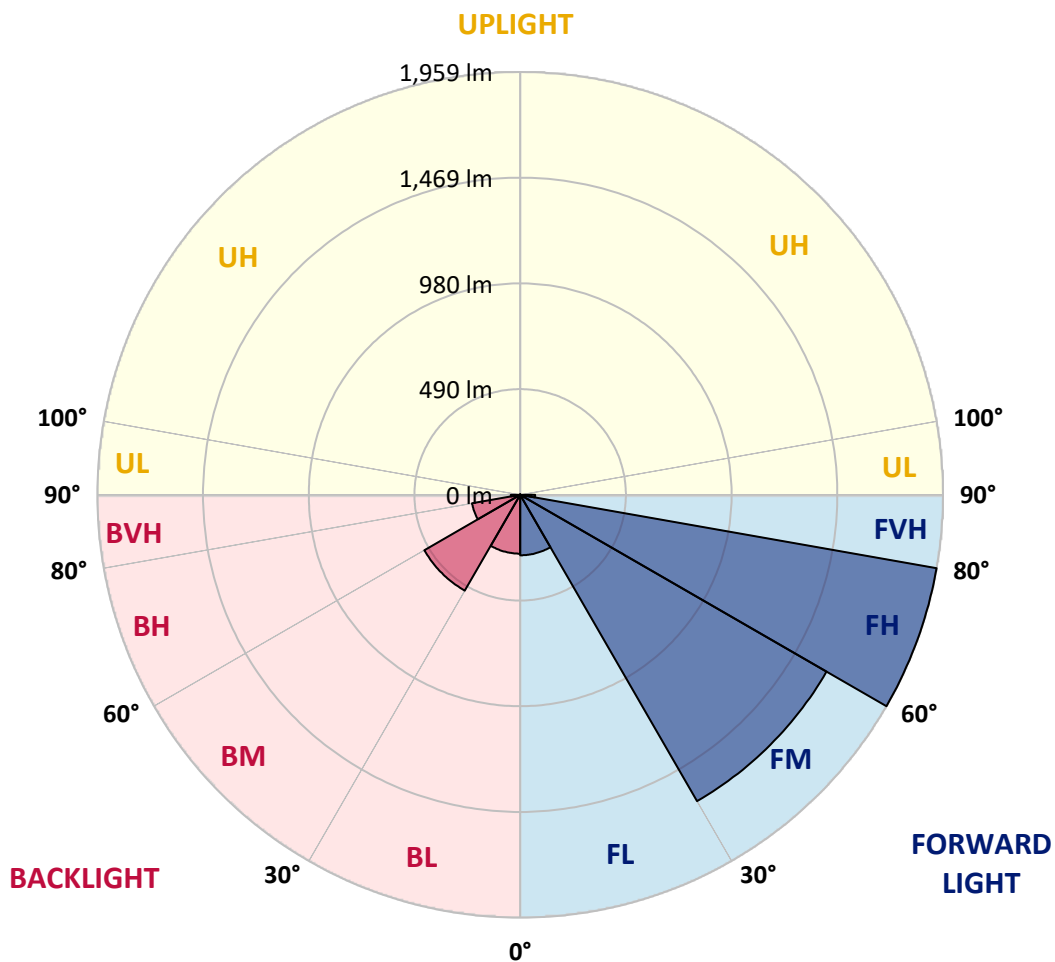
CATALOG NUMBER: IST-AF-1000-LED-E1-T4FT-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	280.1	5.6			
FM	(30°-60°)	1638.9	32.7			
FH	(60°-80°)	1959.2	39.2			G2/5000
FVH	(80°-90°)	69.4	1.4			G1/100
BL	(0°-30°)	272.8	5.5	B1/500		
BM	(30°-60°)	512.9	10.2	B1/1000		
BH	(60°-80°)	226.4	4.5	B1/500		G1/500
BVH	(80°-90°)	43.1	0.9			G1/100
UL	(90°-100°)	1.6	0.0		U1/10	
UH	(100°-180°)	1.2	0.0		U1/10	

BUG Rating: B1-U1-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	30°	31°	32°	33°	34°	35°	36°
0°	735.0	735.0	735.0	735.0	735.0	735.0	735.0	735.0	735.0	735.0	735.0
2.5°	708.4	709.9	711.3	711.3	711.3	713.4	712.7	712.7	713.4	714.2	714.2
5°	681.9	682.6	686.9	688.3	692.6	691.9	691.9	691.9	694.8	692.6	694.1
7.5°	651.8	653.2	657.5	662.5	666.1	666.8	666.1	664.7	668.3	669.7	668.3
10°	615.9	616.6	622.4	626.7	632.4	631.7	633.9	633.9	635.3	634.6	637.4
12.5°	598.0	596.6	593.7	595.9	597.3	597.3	597.3	599.4	598.7	600.2	602.3
15°	595.9	592.3	577.9	572.9	571.5	571.5	570.8	570.0	572.2	574.3	574.3
17.5°	605.9	598.7	570.8	556.4	553.5	552.1	552.8	551.4	551.4	554.3	553.5
20°	654.6	641.7	585.8	554.3	545.7	545.7	544.9	542.8	542.8	543.5	543.5
22.5°	778.7	762.2	664.7	599.4	569.3	568.6	566.5	564.3	558.6	557.1	554.3
25°	951.5	932.1	765.1	694.8	652.5	651.1	640.3	638.9	625.2	626.0	616.6
27.5°	1085.6	1072.7	899.2	805.9	765.8	757.2	752.2	739.3	727.8	718.5	707.0
30°	1131.5	1129.3	1034.7	959.4	899.2	889.1	875.5	869.8	853.3	840.4	832.5
32.5°	1203.9	1206.0	1166.6	1083.4	1031.1	1021.0	1009.6	996.0	984.5	975.9	957.2
35°	1307.1	1307.9	1280.6	1218.2	1158.0	1144.4	1137.9	1122.1	1111.4	1100.6	1091.3
37.5°	1378.8	1382.4	1363.1	1315.0	1279.2	1259.8	1259.1	1247.6	1235.4	1226.1	1217.5
40°	1516.5	1497.2	1433.3	1402.5	1373.1	1371.0	1364.5	1358.1	1360.9	1355.9	1365.2
42.5°	1655.6	1631.2	1542.3	1498.6	1480.7	1484.2	1482.1	1482.8	1491.4	1489.3	1499.3
45°	1774.6	1746.7	1662.1	1610.4	1624.8	1629.1	1641.3	1648.4	1644.9	1657.8	1657.8
47.5°	1893.7	1828.4	1728.0	1751.7	1761.7	1794.7	1803.3	1801.2	1813.4	1819.1	1803.3
50°	1809.8	1792.6	1784.7	1857.1	1902.3	1913.0	1925.2	1931.7	1937.4	1929.5	1913.7
52.5°	1632.7	1631.2	1742.4	1919.5	1957.5	1971.8	1983.3	1988.3	1986.2	1981.9	1969.0
55°	1573.2	1561.7	1657.8	1855.0	1913.0	1926.7	1943.1	1953.2	1963.2	1961.8	1951.8
57.5°	1654.2	1644.9	1645.6	1798.3	1855.0	1867.1	1877.9	1889.4	1892.2	1901.6	1902.3
60°	1889.4	1877.2	1778.9	1796.2	1853.5	1867.1	1868.6	1875.0	1875.7	1880.8	1881.5
62.5°	2228.5	2206.3	2056.4	1927.4	1947.4	1953.9	1958.9	1957.5	1954.6	1951.0	1951.0
65°	2599.9	2579.1	2386.3	2235.7	2177.6	2193.4	2168.3	2163.3	2157.5	2157.5	2151.1
67.5°	3041.6	3002.2	2853.1	2683.8	2599.9	2607.8	2619.3	2575.6	2559.8	2561.2	2527.5
70°	3491.9	3450.3	3385.1	3382.9	3425.2	3406.6	3353.5	3423.8	3340.6	3320.6	3313.4
72.5°	3243.1	3193.6	3207.3	3612.4	3992.4	4054.1	4112.9	4167.4	4216.1	4245.5	4249.8
73°	3052.4	2958.5	3056.0	3532.1	3953.7	4044.8	4117.9	4176.0	4228.3	4254.8	4271.3
75°	1524.4	1529.4	2009.8	2914.0	3455.4	3533.5	3647.5	3711.3	3806.0	3854.7	3811.7
77.5°	353.5	366.4	608.8	1383.1	2071.5	2183.4	2274.4	2367.6	2477.3	2518.2	2482.4
80°	124.8	130.5	214.4	525.6	864.7	926.4	1004.6	1107.1	1208.9	1234.0	1297.1
82.5°	66.0	72.4	113.3	228.0	369.3	403.7	423.8	466.1	501.9	523.4	534.9
85°	38.0	38.7	64.5	126.2	169.2	182.8	195.7	205.8	217.3	209.4	209.4
87.5°	15.1	16.5	33.0	59.5	81.7	91.1	91.1	91.1	90.3	79.6	72.4
90°	2.9	4.3	6.5	12.2	10.8	10.8	10.0	8.6	7.9	8.6	5.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	30°	31°	32°	33°	34°	35°	36°
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	37°	38°	39°	40°	41°	45°	55°	65°	75°	85°	90°
0°	735.0	735.0	735.0	735.0	735.0	735.0	735.0	735.0	735.0	735.0	735.0
2.5°	715.6	716.3	714.9	717.7	715.6	715.6	719.2	725.6	730.7	732.1	736.4
5°	695.5	696.2	696.2	697.0	696.2	697.7	704.1	709.9	719.9	724.9	731.4
7.5°	669.7	671.9	671.1	672.6	672.6	674.0	684.0	693.4	703.4	712.7	720.6
10°	638.9	640.3	643.2	641.7	641.7	646.0	656.8	670.4	682.6	696.2	705.6
12.5°	602.3	605.9	605.2	608.0	609.5	612.3	630.3	645.3	660.4	676.2	688.3
15°	573.6	575.8	577.2	577.9	577.9	584.4	602.3	620.9	641.0	659.7	672.6
17.5°	555.0	555.0	556.4	557.1	558.6	562.9	581.5	602.3	625.2	648.2	662.5
20°	544.2	544.2	544.9	545.7	545.7	550.7	567.9	591.5	616.6	646.0	663.3
22.5°	552.8	550.7	550.0	550.0	547.1	547.1	563.6	588.7	620.2	658.2	680.5
25°	611.6	605.2	595.1	593.0	589.4	572.2	570.0	598.7	637.4	684.8	718.5
27.5°	699.8	693.4	686.9	679.0	673.3	641.7	598.7	624.5	670.4	737.8	779.4
30°	815.3	802.4	793.0	784.4	759.3	724.9	658.2	664.7	721.3	811.7	864.0
32.5°	944.3	930.7	916.4	896.3	889.8	833.9	748.6	731.4	785.9	897.7	952.2
35°	1069.1	1062.6	1052.6	1044.7	1029.7	983.0	866.2	811.7	860.4	998.8	1041.1
37.5°	1213.9	1201.7	1202.5	1196.0	1187.4	1148.0	988.1	908.5	940.7	1095.6	1122.1
40°	1356.6	1353.7	1358.1	1347.3	1333.0	1279.9	1077.7	979.5	1024.6	1188.8	1182.4
42.5°	1491.4	1493.6	1488.5	1476.4	1460.6	1371.7	1135.1	1039.7	1099.9	1270.6	1230.4
45°	1645.6	1637.7	1616.9	1595.4	1576.0	1450.5	1165.9	1107.1	1172.3	1358.8	1279.2
47.5°	1791.1	1760.3	1742.4	1709.4	1671.4	1522.3	1207.5	1178.1	1252.6	1441.9	1325.8
50°	1898.0	1869.3	1839.2	1799.0	1758.9	1584.6	1262.7	1258.4	1343.7	1535.2	1389.6
52.5°	1946.7	1920.2	1890.8	1849.9	1809.8	1629.8	1336.5	1336.5	1451.3	1658.5	1477.8
55°	1938.8	1919.5	1893.7	1856.4	1825.6	1654.2	1412.5	1422.6	1586.1	1791.9	1579.6
57.5°	1897.3	1886.5	1871.4	1845.6	1820.5	1672.8	1502.2	1508.6	1766.8	1920.2	1675.7
60°	1882.9	1878.6	1870.0	1855.0	1835.6	1713.7	1597.5	1611.9	1969.0	2037.8	1730.2
62.5°	1946.7	1938.1	1931.7	1916.6	1898.7	1814.1	1717.3	1721.6	2159.0	2052.1	1677.1
65°	2126.0	2110.2	2099.5	2079.4	2059.3	1965.4	1870.0	1823.4	2252.2	1918.0	1497.2
67.5°	2501.7	2475.9	2445.1	2407.1	2351.9	2267.2	2021.3	1837.7	2167.6	1624.8	1180.9
70°	3244.6	3188.6	3117.6	3036.6	3015.8	2769.2	2115.9	1731.6	1801.9	1135.1	783.0
72.5°	4242.7	4184.6	4121.5	4054.8	3922.9	3380.8	2074.4	1396.8	1120.7	583.7	372.9
73°	4259.1	4219.7	4143.7	4066.3	3958.7	3370.0	2029.2	1287.8	988.1	459.6	305.5
75°	3819.6	3803.8	3729.3	3580.1	3489.1	2846.6	1494.3	746.4	432.4	283.9	198.6
77.5°	2478.8	2461.6	2419.3	2404.9	2237.1	1845.6	669.0	290.4	235.2	188.6	140.5
80°	1320.8	1240.5	1226.1	1168.8	1046.1	710.6	228.7	177.8	156.3	126.2	98.2
82.5°	535.6	501.2	488.3	442.4	415.9	213.0	114.7	123.3	104.7	74.6	60.2
85°	197.2	181.4	177.1	144.1	126.9	63.1	70.3	86.8	65.2	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°	5.0	4.3	3.6	2.9	3.6	2.9	4.3	6.5	7.2	4.3	2.9
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P226590

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

CANDELA DISTRIBUTION (continued):

	37°	38°	39°	40°	41°	45°	55°	65°	75°	85°	90°
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P226590

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

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	735.0	735.0	735.0	735.0	735.0	735.0	735.0	735.0	735.0	735.0
2.5°	737.8	740.7	746.4	750.7	754.3	759.3	760.8	763.6	760.0	764.4
5°	735.0	743.6	754.3	764.4	773.7	781.6	785.1	785.9	786.6	789.4
7.5°	727.8	740.7	757.9	771.5	785.9	790.9	793.0	793.7	788.7	790.9
10°	713.4	734.2	755.7	772.2	779.4	775.8	770.1	760.8	756.5	756.5
12.5°	697.7	724.2	749.3	758.6	752.2	738.5	722.8	705.6	699.1	699.1
15°	684.8	718.5	739.3	732.8	714.2	688.3	666.8	648.9	643.2	641.0
17.5°	677.6	715.6	723.5	703.4	671.9	639.6	618.1	603.0	598.0	598.0
20°	683.3	718.5	705.6	668.3	628.8	599.4	580.8	570.8	565.7	567.9
22.5°	707.7	729.2	689.8	633.9	585.8	560.7	552.1	545.7	544.9	546.4
25°	748.6	743.6	676.2	598.0	545.7	527.7	527.0	524.9	524.1	523.4
27.5°	801.6	761.5	659.7	557.8	505.5	496.9	501.2	500.5	499.8	500.5
30°	871.9	777.3	635.3	514.1	467.5	467.5	474.0	471.8	468.9	469.7
32.5°	937.2	788.7	598.0	465.4	437.4	438.8	441.0	435.2	428.1	429.5
35°	993.1	788.7	547.8	421.6	406.6	406.6	408.0	403.0	397.2	395.1
37.5°	1039.7	773.0	484.7	388.6	381.5	381.5	387.2	382.2	371.4	369.3
40°	1067.7	738.5	426.6	364.3	369.3	370.0	362.1	353.5	343.5	341.3
42.5°	1085.6	688.3	380.7	347.0	361.4	355.6	337.0	323.4	322.7	325.5
45°	1101.4	631.7	344.2	329.8	352.8	340.6	315.5	302.6	306.9	309.8
47.5°	1117.1	575.1	314.8	310.5	337.0	328.4	301.9	287.5	285.4	289.7
50°	1154.4	496.2	281.1	287.5	317.6	314.8	289.7	273.2	259.6	258.8
52.5°	1204.6	390.8	252.4	267.5	302.6	306.9	276.1	260.3	241.6	238.8
55°	1260.5	299.7	228.7	251.7	288.2	295.4	271.0	247.4	227.3	224.4
57.5°	1277.0	236.6	206.5	229.4	268.9	284.7	263.1	232.3	217.3	214.4
60°	1220.4	196.5	187.9	210.8	249.5	273.9	251.0	220.8	207.2	205.1
62.5°	1047.6	173.5	177.8	198.6	235.2	263.9	241.6	212.2	201.5	200.1
65°	799.5	157.7	169.2	188.6	222.3	254.5	235.2	208.7	200.1	198.6
67.5°	501.9	146.3	160.6	177.8	209.4	244.5	230.2	204.4	197.9	195.7
70°	278.2	134.1	149.1	165.6	196.5	235.2	223.7	197.9	197.2	192.9
72.5°	169.2	121.2	137.0	152.7	182.1	223.7	212.2	190.0	182.8	174.2
73°	161.3	119.7	134.1	149.9	178.5	220.8	210.1	187.1	180.0	171.4
75°	130.5	107.6	122.6	136.2	165.6	209.4	197.9	177.1	165.6	159.2
77.5°	96.1	91.8	106.1	119.0	149.1	193.6	180.7	162.0	148.4	144.8
80°	71.0	76.0	89.6	101.1	131.2	177.8	162.8	144.8	136.2	131.9
82.5°	48.0	58.8	71.7	81.0	116.2	160.6	144.1	126.9	132.7	110.4
85°	28.0	40.9	51.6	63.1	93.2	143.4	125.5	108.3	94.6	85.3
87.5°	18.6	22.9	31.5	43.0	67.4	112.6	99.7	84.6	61.7	61.7
90°	2.2	2.9	4.3	5.0	9.3	48.0	33.0	39.4	7.2	6.5
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P226590

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

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)