

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: P226250

Luminaire Tested: **IST-AF-1000-LED-E1-T2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P226250
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35937)
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-T2
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-TYPE II
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6192.7 lumens
Efficiency: N/A
Efficacy: 113.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium - 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

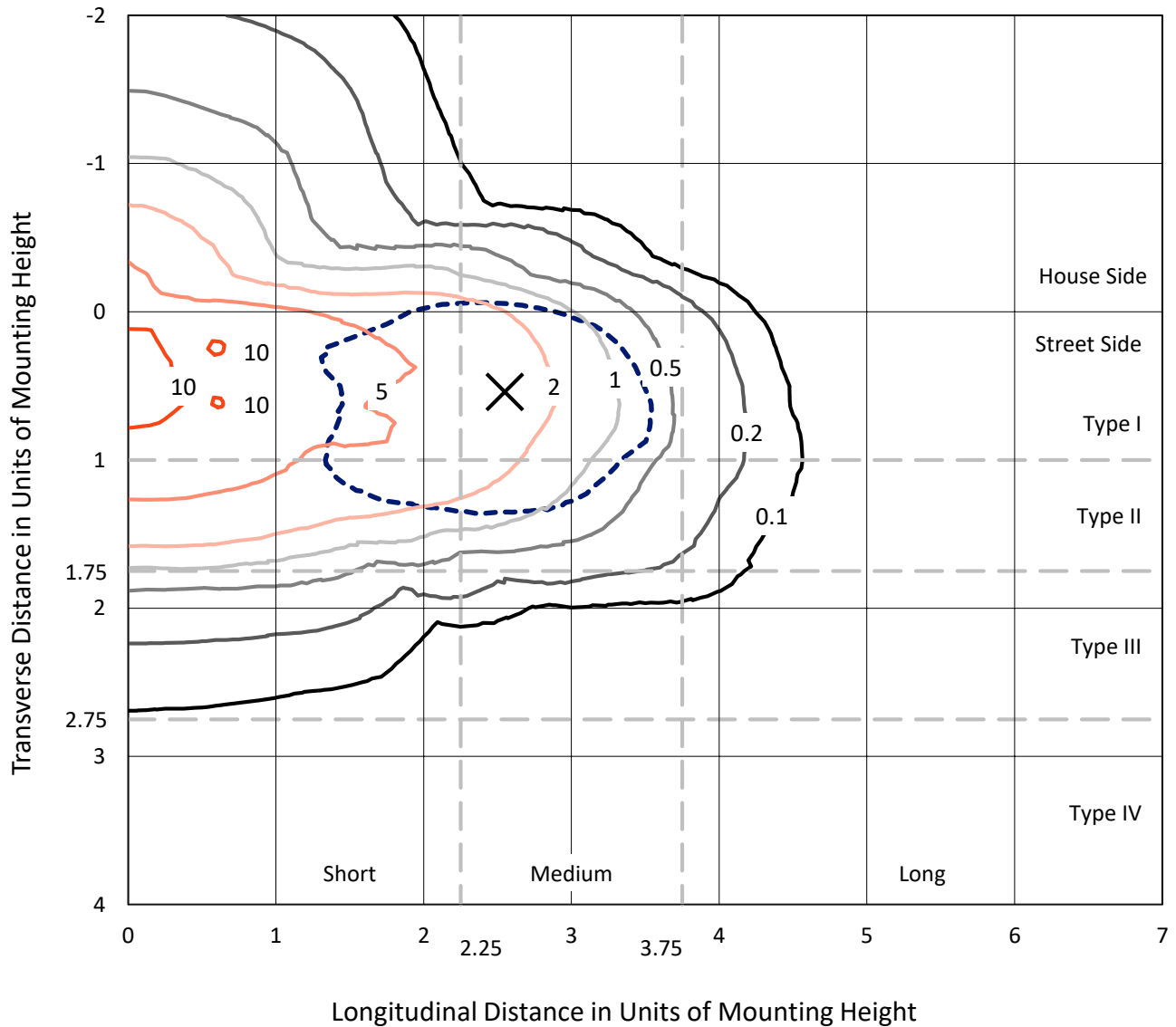


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Iso-Footcandle Lines of Horizontal Illumination

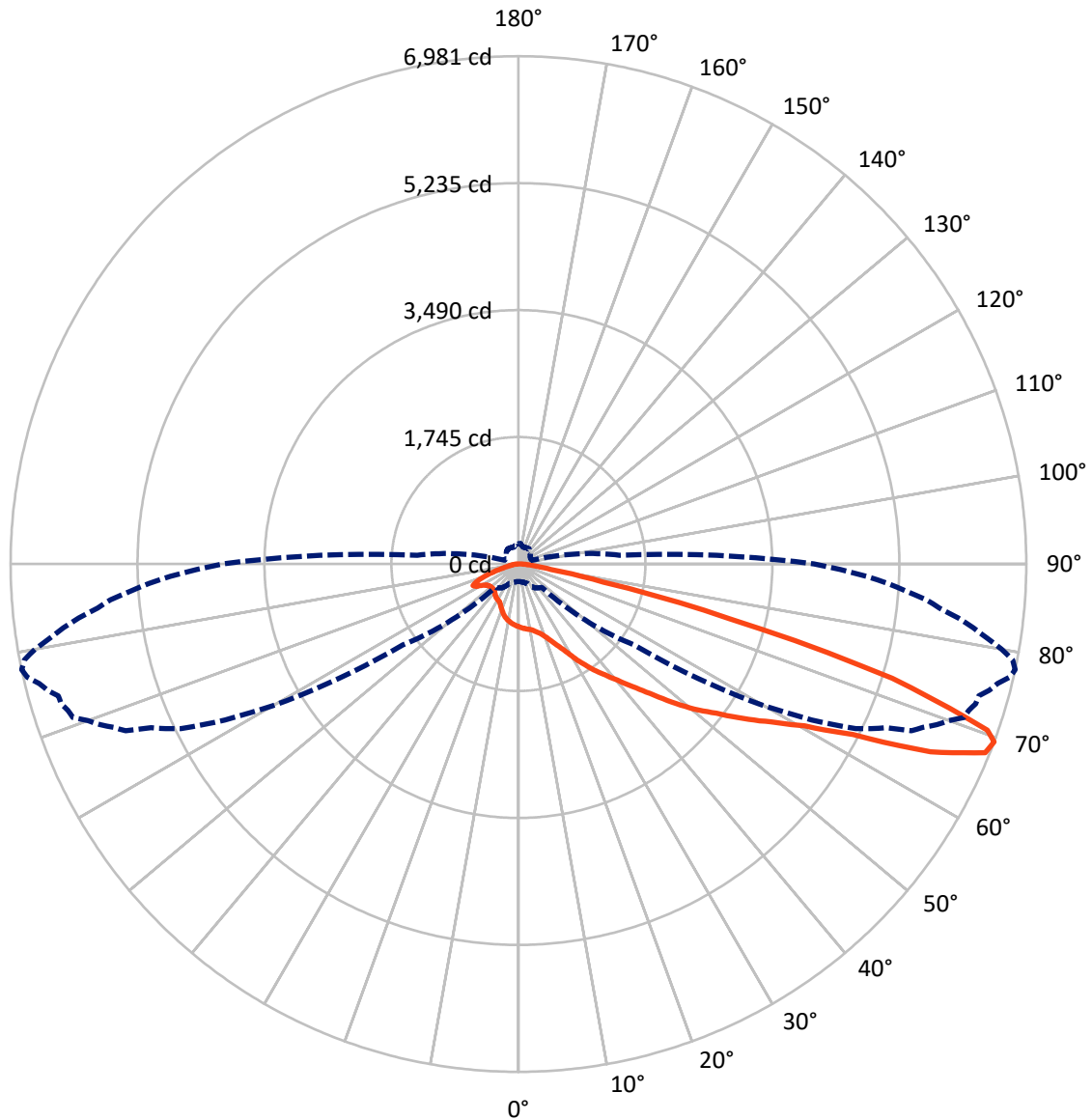
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11 fc
 Type II - Medium - Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1132.2	2.2	1134.4
	% Fixture	18.3	0.0	18.3
Street Side	Lumens	5057.2	1.0	5058.3
	% Fixture	81.7	0.0	81.7
Total	Lumens	6189.5	3.2	6192.7
	% Fixture	99.9	0.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.0	1.3
10°-20°	241.5	3.9
20°-30°	432.9	7.0
30°-40°	706.7	11.4
40°-50°	1045.2	16.9
50°-60°	1364.8	22.0
60°-70°	1526.3	24.6
70°-80°	685.2	11.1
80°-90°	106.9	1.7
90°-100°	3.2	0.1
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°	6189.5	99.9
0°-180°	6192.7	100.0

Coefficient of Utilization



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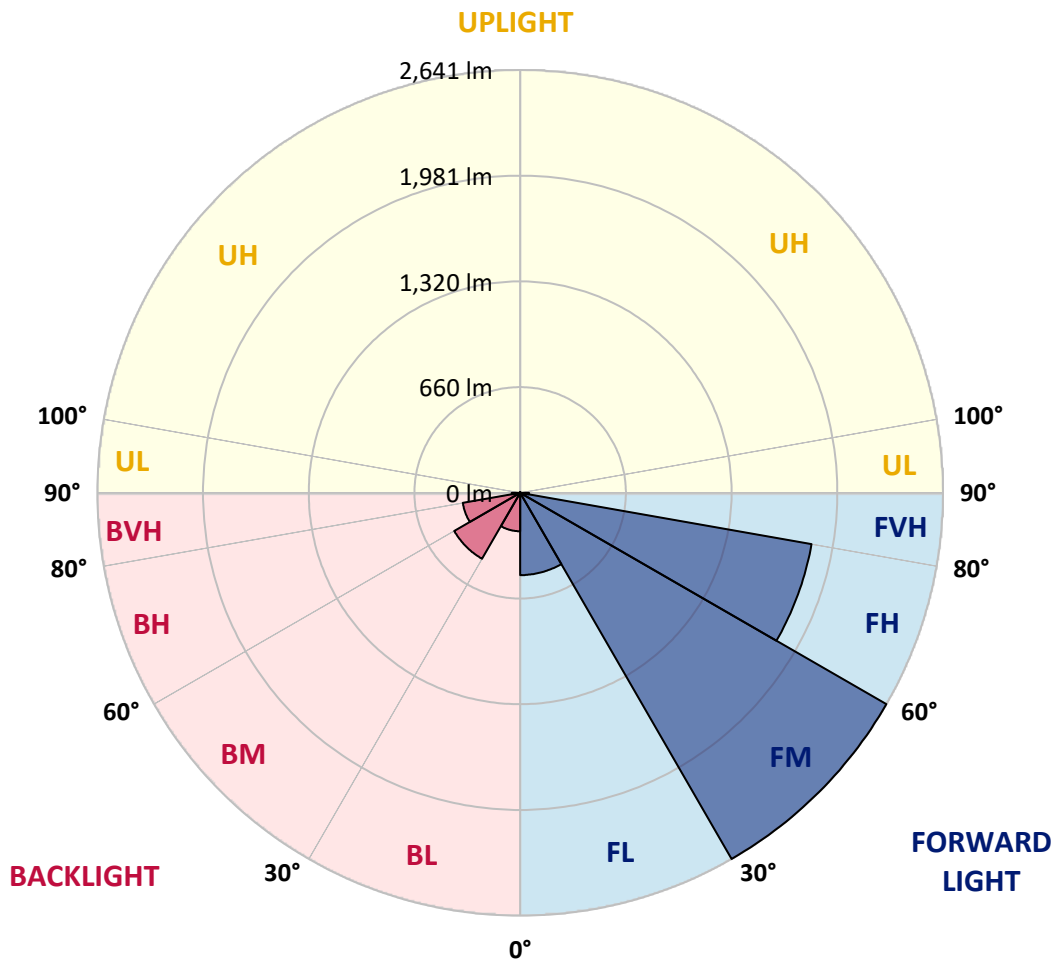
CATALOG NUMBER: IST-AF-1000-LED-E1-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	514.0	8.3			
FM	(30°-60°)	2640.9	42.6			
FH	(60°-80°)	1847.7	29.8			G2/5000
FVH	(80°-90°)	54.6	0.9			G1/100
BL	(0°-30°)	240.3	3.9	B1/500		
BM	(30°-60°)	475.7	7.7	B1/1000		
BH	(60°-80°)	363.9	5.9	B1/500		G1/500
BVH	(80°-90°)	52.3	0.8			G1/100
UL	(90°-100°)	3.2	0.1		U1/10	
UH	(100°-180°)	2.2	0.0		U1/10	

BUG Rating: B1-U1-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	861.2	861.2	861.2	861.2	861.2	861.2	861.2	861.2	861.2	861.2	861.2
2.5°	922.4	922.4	919.6	917.9	915.1	908.0	897.2	895.4	894.5	892.7	890.9
5°	989.8	982.5	984.4	979.9	970.0	957.4	937.6	927.7	922.4	921.5	917.9
7.5°	1044.6	1045.6	1042.8	1033.8	1020.3	1005.0	978.0	962.8	958.3	955.6	949.3
10°	1084.1	1081.5	1079.6	1077.9	1067.0	1054.5	1020.3	1001.5	997.9	990.6	983.5
12.5°	1113.0	1113.0	1113.0	1111.1	1104.9	1095.0	1068.0	1049.1	1044.6	1034.7	1028.5
15°	1144.4	1140.8	1137.2	1134.6	1135.4	1135.4	1115.6	1101.2	1094.0	1088.6	1076.0
17.5°	1211.8	1203.7	1195.6	1184.9	1167.8	1163.3	1162.4	1161.5	1151.6	1150.7	1138.1
20°	1269.4	1262.1	1255.0	1244.2	1219.9	1193.9	1207.3	1219.9	1218.1	1219.1	1212.7
22.5°	1340.4	1335.0	1320.6	1308.0	1276.5	1245.1	1246.9	1273.9	1277.5	1281.0	1282.9
25°	1437.5	1434.8	1411.4	1387.1	1351.2	1321.4	1293.6	1326.9	1334.1	1342.2	1358.4
27.5°	1535.4	1529.2	1503.9	1482.5	1437.5	1406.0	1367.4	1385.3	1396.1	1411.4	1436.5
30°	1662.2	1645.1	1636.1	1587.6	1546.3	1500.4	1467.1	1472.5	1470.7	1488.7	1527.4
32.5°	1845.6	1818.6	1773.7	1725.1	1676.6	1615.4	1587.6	1586.7	1582.2	1602.9	1624.4
35°	1944.5	1938.2	1910.4	1861.8	1808.8	1751.2	1733.2	1716.1	1718.9	1729.6	1737.7
37.5°	2051.4	2046.1	2024.5	1997.5	1957.1	1988.5	1888.8	1863.6	1851.8	1846.5	1849.2
40°	2098.2	2102.7	2114.4	2118.9	2095.5	2246.5	2049.7	1966.9	1963.3	1955.3	1947.2
42.5°	2108.1	2119.8	2143.2	2194.4	2216.8	2545.9	2182.7	2082.9	2068.5	2062.3	2063.2
45°	2144.1	2162.0	2166.5	2213.3	2319.3	2561.2	2332.8	2185.4	2174.6	2173.8	2168.3
47.5°	2231.3	2255.5	2255.5	2276.2	2376.9	2590.8	2384.1	2287.9	2280.7	2277.1	2291.5
50°	2243.8	2276.2	2340.9	2407.5	2480.2	2615.2	2442.5	2399.3	2402.1	2410.2	2452.4
52.5°	2030.8	2063.2	2233.9	2429.9	2667.2	2681.7	2530.6	2547.7	2565.7	2605.3	2682.6
55°	1741.4	1764.7	1966.9	2280.7	2674.5	2934.2	2751.7	2799.4	2837.2	2848.8	2970.2
57.5°	1371.0	1403.3	1609.2	2016.4	2497.3	3006.1	3260.6	3282.1	3239.9	3278.6	3322.6
60°	742.6	739.0	1025.7	1458.1	2125.2	2873.2	3751.5	4121.8	4130.8	4190.1	4119.1
62.5°	415.3	415.3	498.1	748.8	1367.4	2430.8	3987.0	4848.2	4960.6	5054.9	5262.6
65°	313.7	316.4	346.1	451.3	767.7	1534.5	3814.4	5096.3	5312.1	5528.7	5892.8
67.5°	260.8	260.8	282.2	336.2	480.1	696.7	2808.4	4598.3	4868.0	5126.8	5630.3
69°	241.8	242.7	258.9	295.7	401.8	453.1	1940.0	3898.9	4207.2	4565.9	5159.3
70°	232.8	230.2	245.4	276.0	364.1	357.8	1421.3	3390.1	3629.2	3951.0	4633.4
72.5°	206.7	204.1	212.2	235.5	286.7	255.3	579.8	1824.0	2184.5	2545.0	3088.9
75°	184.3	181.6	187.9	198.7	222.9	195.1	291.2	764.1	925.1	1195.6	1649.6
77.5°	162.8	157.3	162.8	169.9	175.3	145.7	197.7	353.3	433.3	532.2	751.6
80°	147.4	142.1	148.3	144.7	137.6	112.4	131.2	205.8	228.3	273.3	357.8
82.5°	105.2	104.2	141.2	145.7	109.7	81.8	93.5	132.2	147.4	155.5	188.7
85°	64.8	62.0	81.8	104.2	111.5	51.2	60.3	78.3	81.8	89.0	105.2
87.5°	33.2	34.2	44.1	53.9	72.8	30.6	36.0	45.8	45.8	45.8	52.2
90°	8.1	9.9	13.5	18.9	15.2	8.1	13.5	10.7	12.6	10.7	12.6
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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CATALOG NUMBER: IST-AF-1000-LED-E1-T2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	861.2	861.2	861.2	861.2	861.2	861.2	861.2	861.2	861.2	861.2	861.2
2.5°	891.8	889.0	885.5	886.4	884.5	881.9	882.8	881.9	882.8	881.0	879.2
5°	917.9	916.1	910.6	909.8	908.0	906.1	903.5	900.8	899.9	898.0	894.5
7.5°	947.6	942.1	939.5	935.8	931.3	924.1	923.2	919.6	917.0	915.1	910.6
10°	978.0	971.8	968.2	963.7	959.2	954.7	950.2	943.9	937.6	935.8	930.5
12.5°	1024.0	1015.9	1008.6	1001.5	997.0	988.9	982.5	974.5	968.2	965.5	956.6
15°	1074.3	1063.5	1056.3	1050.9	1043.7	1036.6	1028.5	1021.2	1011.4	1003.3	995.1
17.5°	1133.6	1123.7	1118.3	1108.5	1099.5	1091.4	1085.0	1076.0	1068.0	1053.6	1046.4
20°	1211.8	1203.7	1197.5	1186.6	1176.8	1168.7	1163.3	1144.4	1133.6	1121.1	1109.4
22.5°	1284.6	1285.5	1279.2	1272.0	1265.8	1255.0	1246.0	1232.5	1219.1	1203.7	1187.5
25°	1363.8	1371.0	1371.9	1370.0	1366.5	1353.9	1349.4	1335.9	1325.1	1300.0	1292.7
27.5°	1451.9	1460.0	1469.9	1482.5	1485.1	1471.6	1478.0	1464.5	1445.5	1434.8	1411.4
30°	1537.3	1559.7	1580.4	1594.8	1603.8	1610.0	1605.6	1601.1	1588.5	1570.5	1549.9
32.5°	1647.0	1670.3	1690.9	1722.4	1738.6	1758.5	1754.8	1756.6	1752.1	1734.1	1709.9
35°	1757.5	1778.2	1805.1	1825.9	1865.4	1886.9	1904.9	1904.0	1904.0	1893.3	1869.9
37.5°	1855.5	1867.2	1889.7	1923.9	1949.8	1984.0	2012.9	2024.5	2043.3	2044.3	2019.1
40°	1957.9	1969.7	1986.8	2011.9	2040.7	2081.1	2119.8	2157.5	2175.5	2194.4	2184.5
42.5°	2068.5	2081.1	2093.7	2109.9	2151.3	2182.7	2234.8	2286.1	2322.9	2361.6	2357.1
45°	2178.3	2192.6	2210.6	2234.8	2271.8	2322.9	2373.3	2430.8	2515.3	2561.2	2592.7
47.5°	2302.3	2325.7	2358.9	2397.6	2427.3	2480.2	2544.1	2633.1	2718.5	2797.7	2847.1
50°	2489.2	2498.3	2552.2	2589.9	2646.6	2700.5	2764.3	2842.6	2953.2	3034.1	3113.1
52.5°	2709.5	2743.7	2797.7	2840.7	2885.7	2939.7	3005.3	3075.4	3185.1	3275.9	3378.4
55°	2993.6	3042.2	3088.9	3112.2	3175.2	3223.7	3276.8	3346.0	3463.8	3562.6	3683.1
57.5°	3332.5	3381.1	3403.6	3437.7	3464.6	3518.6	3590.6	3637.3	3741.5	3844.0	3971.7
60°	4028.3	3997.8	4024.7	3971.7	3963.6	3968.1	3983.4	4019.4	4077.8	4173.0	4308.0
62.5°	5284.2	5240.2	5123.2	5081.0	4999.3	4888.7	4784.3	4770.0	4739.4	4811.3	4895.8
65°	6017.7	6177.8	6194.9	6239.8	6207.5	6121.1	5998.9	5959.3	5860.5	5791.2	5786.7
67.5°	5841.6	6081.5	6231.7	6421.4	6526.6	6629.0	6656.0	6691.1	6627.3	6595.8	6604.8
69°	5351.7	5529.7	5865.8	5995.3	6161.6	6298.2	6478.0	6509.5	6571.5	6580.5	6700.1
70°	4866.2	5127.7	5320.2	5514.3	5744.5	5894.7	5975.5	6108.6	6262.3	6337.8	6467.3
72.5°	3498.8	3584.2	3720.9	3972.6	4036.5	4192.0	4351.0	4464.4	4645.0	4772.7	5077.4
75°	1887.9	1939.1	2153.9	2296.9	2334.7	2385.9	2502.8	2530.6	2598.1	2639.4	2932.5
77.5°	862.1	940.3	968.2	1046.4	1002.4	1024.0	1051.8	1045.6	1064.4	1154.3	1256.8
80°	397.3	412.7	423.4	455.8	457.6	450.4	453.1	448.6	445.0	459.4	470.1
82.5°	193.2	216.7	216.7	236.4	246.3	243.7	249.0	247.2	250.8	247.2	258.9
85°	113.2	113.2	122.2	133.1	131.2	134.8	134.8	142.1	142.9	144.7	144.7
87.5°	53.0	58.4	61.2	65.7	67.4	70.1	71.9	71.9	72.8	71.0	72.8
90°	13.5	13.5	22.5	22.5	24.2	27.0	23.3	25.2	31.5	23.3	29.7
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: P226250

CATALOG NUMBER: IST-AF-1000-LED-E1-T2

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
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: P226250

CATALOG NUMBER: IST-AF-1000-LED-E1-T2

CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	861.2	861.2	861.2	861.2	861.2	861.2	861.2	861.2	861.2	861.2	861.2
2.5°	877.4	879.2	878.3	874.7	873.8	873.8	872.0	871.1	869.3	868.4	870.2
5°	893.5	893.5	890.9	887.3	883.7	882.8	881.9	877.4	875.6	873.8	872.0
7.5°	908.9	907.1	903.5	897.2	893.5	892.7	889.0	884.5	880.1	876.5	874.7
10°	925.1	923.2	916.1	911.6	904.4	903.5	897.2	891.8	887.3	882.8	879.2
12.5°	948.4	946.6	938.6	927.7	922.4	918.7	910.6	904.4	898.0	892.7	886.4
15°	984.4	977.2	971.8	961.0	952.9	945.7	935.8	926.9	917.9	908.9	903.5
17.5°	1034.7	1024.8	1010.5	1004.1	993.4	981.7	968.2	961.9	950.2	939.5	928.6
20°	1100.4	1090.5	1068.0	1059.9	1044.6	1027.6	1016.7	1003.3	993.4	976.3	964.6
22.5°	1173.1	1164.2	1142.6	1121.1	1106.6	1093.1	1076.0	1059.0	1040.1	1024.0	1011.4
25°	1267.5	1254.0	1235.2	1213.6	1192.0	1173.1	1149.8	1125.6	1109.4	1086.9	1068.9
27.5°	1396.1	1372.7	1341.3	1317.9	1300.8	1272.0	1243.3	1221.7	1196.5	1166.9	1147.1
30°	1535.4	1509.4	1486.0	1459.0	1430.3	1402.4	1362.9	1331.4	1304.5	1273.0	1240.6
32.5°	1690.1	1667.6	1634.4	1599.3	1567.8	1532.8	1503.9	1470.7	1423.9	1390.7	1356.5
35°	1845.6	1819.5	1785.4	1755.7	1719.8	1683.8	1651.5	1607.4	1565.1	1517.4	1469.9
37.5°	1995.8	1973.3	1935.5	1890.5	1859.1	1820.4	1787.2	1740.4	1690.1	1637.0	1601.1
40°	2162.9	2127.0	2100.9	2048.8	2016.4	1973.3	1925.6	1889.7	1841.1	1783.6	1732.4
42.5°	2354.4	2329.3	2301.4	2259.1	2225.0	2173.8	2113.5	2067.7	2022.7	1954.3	1883.4
45°	2597.2	2581.0	2535.1	2500.9	2455.1	2401.2	2349.0	2293.3	2222.3	2143.2	2078.4
47.5°	2888.4	2875.8	2834.5	2785.9	2725.7	2652.9	2604.3	2527.9	2467.7	2368.8	2291.5
50°	3152.7	3159.0	3136.6	3061.9	3008.0	2935.2	2858.7	2792.2	2699.7	2597.2	2498.3
52.5°	3468.2	3462.0	3405.3	3364.0	3300.1	3212.1	3128.5	3043.1	2941.5	2835.4	2712.3
55°	3770.3	3789.2	3749.6	3691.2	3613.9	3490.7	3406.2	3295.6	3188.6	3071.8	2929.7
57.5°	4063.4	4123.6	4093.0	4023.9	3944.7	3855.7	3744.2	3620.2	3509.6	3356.8	3196.7
60°	4428.4	4508.3	4520.9	4476.0	4389.7	4286.4	4139.8	4042.7	3890.8	3749.6	3626.5
62.5°	4990.3	5171.8	5161.0	5182.6	5121.5	5057.7	4885.9	4781.7	4583.8	4482.3	4310.6
65°	5928.7	6062.7	6223.6	6218.2	6176.0	6023.1	5845.1	5670.7	5540.4	5339.9	5161.0
67.5°	6716.3	6826.9	6922.1	6872.7	6775.6	6603.9	6395.3	6152.6	5954.0	5732.8	5498.2
69°	6789.9	6924.9	6980.6	6919.4	6745.0	6521.2	6317.1	6091.5	5818.2	5628.5	5342.7
70°	6592.2	6725.3	6837.6	6680.3	6520.3	6301.9	6078.9	5844.2	5599.7	5395.7	5107.1
72.5°	5236.6	5386.7	5371.4	5354.3	5226.7	5008.2	4803.3	4677.3	4505.7	4259.4	4050.8
75°	3044.8	3114.1	2992.7	3120.3	2967.5	2747.2	2776.1	2634.0	2508.2	2366.1	2256.4
77.5°	1195.6	1256.8	1193.0	1172.3	1104.0	1088.6	974.5	988.0	931.3	819.9	768.6
80°	453.1	461.1	450.4	427.9	423.4	397.3	390.2	365.0	353.3	316.4	303.0
82.5°	243.7	248.2	240.9	233.7	228.3	213.1	203.2	184.3	173.5	161.8	160.9
85°	140.2	136.7	133.1	129.4	121.3	112.4	105.2	98.0	89.9	83.6	77.3
87.5°	73.8	74.6	75.5	71.9	66.5	59.3	54.8	52.2	45.8	43.2	40.4
90°	24.2	18.0	20.7	26.1	24.2	19.7	18.9	16.2	13.5	13.5	10.7
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: P226250
 CATALOG NUMBER: IST-AF-1000-LED-E1-T2

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°	
110°	0.0	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	2.5°
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	69°
												70°
												72.5°
												75°
												77.5°
												80°
												82.5°
												85°
												87.5°
												90°
												92.5°
												95°
												97.5°
												100°
												102.5°
												105°
												107.5°

NUMBER: P226250
 NUMBER: IST-AF-1000-LED-E1-T2

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°	110°	87°
861.2	861.2	861.2	861.2	861.2	861.2	861.2	861.2	861.2	861.2	861.2	110°	0.0
867.6	867.6	864.8	863.1	856.7	846.0	835.1	825.2	811.8	806.4	799.2	112.5°	0.0
870.2	868.4	865.7	862.1	849.6	824.4	798.3	770.4	741.6	715.6	685.1	115°	0.0
872.0	868.4	864.8	860.3	842.3	803.7	751.6	696.7	645.5	606.8	590.7	117.5°	0.0
872.9	870.2	865.7	859.4	834.2	776.7	693.2	614.0	569.1	553.7	551.1	120°	0.0
882.8	878.3	871.1	863.9	830.6	747.1	627.5	552.0	534.0	541.1	553.7	122.5°	0.0
895.4	890.0	881.0	873.8	828.9	708.4	563.6	516.9	523.2	543.0	563.6	125°	0.0
917.9	908.9	899.0	891.8	832.5	660.7	512.4	498.9	517.8	543.0	570.8	127.5°	0.0
951.1	938.6	926.9	914.2	837.9	601.4	481.8	487.2	509.7	536.6	567.2	130°	0.0
992.5	978.0	961.9	943.1	844.1	550.1	464.7	474.6	495.3	518.7	543.9	132.5°	0.0
1048.2	1028.5	1007.7	984.4	853.1	494.4	449.5	460.3	472.9	486.3	498.9	135°	0.0
1118.3	1091.4	1068.9	1037.4	862.1	456.6	436.9	440.5	443.2	445.0	444.1	137.5°	0.0
1211.8	1170.5	1144.4	1105.7	872.0	436.9	422.5	418.0	413.6	407.2	400.1	140°	0.0
1310.7	1276.5	1235.2	1185.7	878.3	423.4	409.1	394.7	382.1	375.7	375.7	142.5°	0.0
1425.8	1383.5	1331.4	1269.4	870.2	409.1	391.1	372.1	365.0	373.1	370.4	145°	0.0
1540.9	1482.5	1424.9	1353.9	850.5	392.8	371.2	361.4	366.8	356.0	349.7	147.5°	0.0
1667.6	1602.9	1522.9	1440.2	821.6	375.7	361.4	366.8	347.9	335.3	340.7	150°	0.0
1809.6	1733.2	1647.0	1534.5	802.8	365.0	346.1	350.6	334.4	325.4	322.7	152.5°	0.0
2002.9	1894.2	1788.9	1656.8	817.1	347.9	316.4	334.4	325.4	317.3	310.2	155°	0.0
2192.6	2076.6	1952.6	1797.0	842.3	335.3	293.1	317.3	323.7	310.2	296.7	157.5°	0.0
2383.2	2260.0	2115.3	1941.8	872.9	327.2	275.1	296.7	319.2	303.0	292.2	160°	0.0
2583.7	2428.2	2279.9	2092.9	912.5	319.2	260.8	278.7	311.1	303.0	286.7	162.5°	0.0
2794.0	2610.7	2462.3	2260.0	981.7	307.5	242.7	264.3	303.0	302.1	281.4	165°	0.0
3038.6	2874.9	2684.3	2478.5	1077.9	294.0	226.6	253.5	295.7	298.5	275.1	167.5°	0.0
3454.8	3285.7	3055.7	2859.7	1268.5	276.0	216.7	242.7	284.1	291.2	269.6	170°	0.0
4129.9	3899.8	3688.6	3505.1	1594.8	250.8	209.5	231.1	271.5	282.2	265.1	172.5°	0.0
4903.9	4679.2	4423.9	4115.5	1776.4	227.4	199.6	216.7	258.9	273.3	260.8	175°	0.0
5232.9	4939.0	4628.9	4262.9	1602.9	208.6	188.7	203.2	244.5	260.8	254.4	177.5°	0.0
5081.9	4784.3	4423.9	4065.2	1394.3	198.7	182.5	196.0	233.7	252.6	248.2	180°	0.0
4819.4	4520.1	4198.2	3767.6	1245.1	193.2	178.0	191.5	229.2	248.2	244.5		
3811.7	3544.6	3248.0	2919.9	848.6	175.3	163.6	178.0	211.2	231.9	231.1		
2020.0	1941.8	1722.4	1530.0	439.6	156.4	148.3	162.8	195.1	216.7	216.7		
727.3	659.8	631.1	524.1	233.7	136.7	133.1	143.8	177.1	197.7	196.9		
275.1	267.9	240.0	224.7	148.3	111.5	112.4	123.2	155.5	175.3	174.4		
155.5	141.2	136.7	132.2	94.4	88.1	92.6	103.4	133.1	150.2	152.8		
74.6	69.3	67.4	62.9	62.0	67.4	72.8	81.8	106.1	126.7	124.1		
36.0	34.2	33.2	32.3	44.1	43.2	53.0	56.7	71.0	100.7	90.8		
11.7	11.7	10.7	9.0	12.6	14.4	17.1	24.2	29.7	58.4	47.7		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

'226250
 IST-AF-1000-LED-E1-T2

REPORT NUMBER: P226250
 CATALOG NUMBER: IST-AF-10

TION (continued):

CANDELA DISTRIBUTION (con

88°	89°	90°	95°	105°	115°	125°	135°	145°	155°		165°	175°
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0°	861.2	861.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	792.9	780.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	662.6	660.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	580.7	569.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	553.7	552.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	565.5	568.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	580.7	586.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	590.7	600.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	587.9	599.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	558.2	563.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	505.2	507.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	441.4	439.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	396.5	384.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	375.7	368.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	361.4	349.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	374.9	374.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	387.5	385.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	365.9	349.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	326.3	307.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	299.3	288.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	286.7	283.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	283.2	292.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	281.4	291.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	268.8	285.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	259.8	280.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	254.4	277.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	249.9	279.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	242.7	285.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	69°	239.2	284.1
										70°	235.5	281.4
										72.5°	222.9	259.8
										75°	207.7	229.2
										77.5°	187.9	196.9
										80°	166.3	171.8
										82.5°	144.7	165.4
										85°	113.2	140.2
										87.5°	83.6	77.3
										90°	47.7	35.1
										92.5°	0.0	0.0
										95°	0.0	0.0
										97.5°	0.0	0.0
										100°	0.0	0.0
										102.5°	0.0	0.0
										105°	0.0	0.0
										107.5°	0.0	0.0



REPORT NUMBER: P226250

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

00-LED-E1-T2

tinued):

180°
861.2
783.0
655.4
570.0
555.6
566.3
587.9
604.2
602.3
568.1
508.8
446.8
393.7
376.7
355.1
378.5
389.2
353.3
307.5
286.7
281.4
294.8
290.4
286.7
281.4
276.9
276.0
277.8
274.2
269.6
242.7
218.5
196.9
173.5
146.5
109.7
83.6
29.7
0.0
0.0
0.0
0.0
0.0
0.0
0.0
0.0
0.0

CANDELA DISTRIBUTION (continued):

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

(END OF F

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

