

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: P226619

Luminaire Tested: **IST-AF-1200-LED-E1-T4FT**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P226619
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-1200-LED-E1-T4FT
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-TYPE IV FORWARD THROW
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7139.2 lumens
Efficiency: N/A
Efficacy: 108.2 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): 66
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

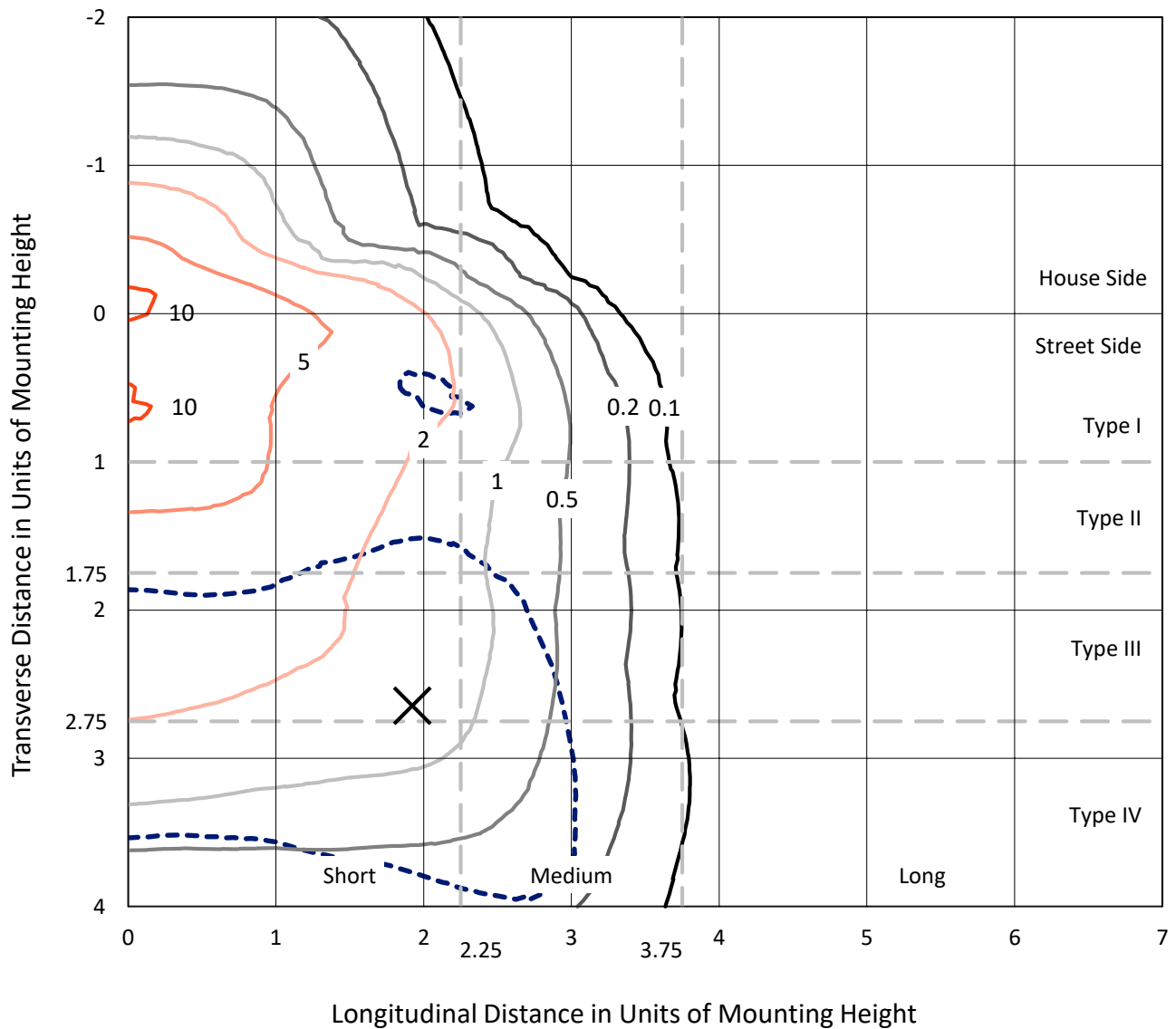


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

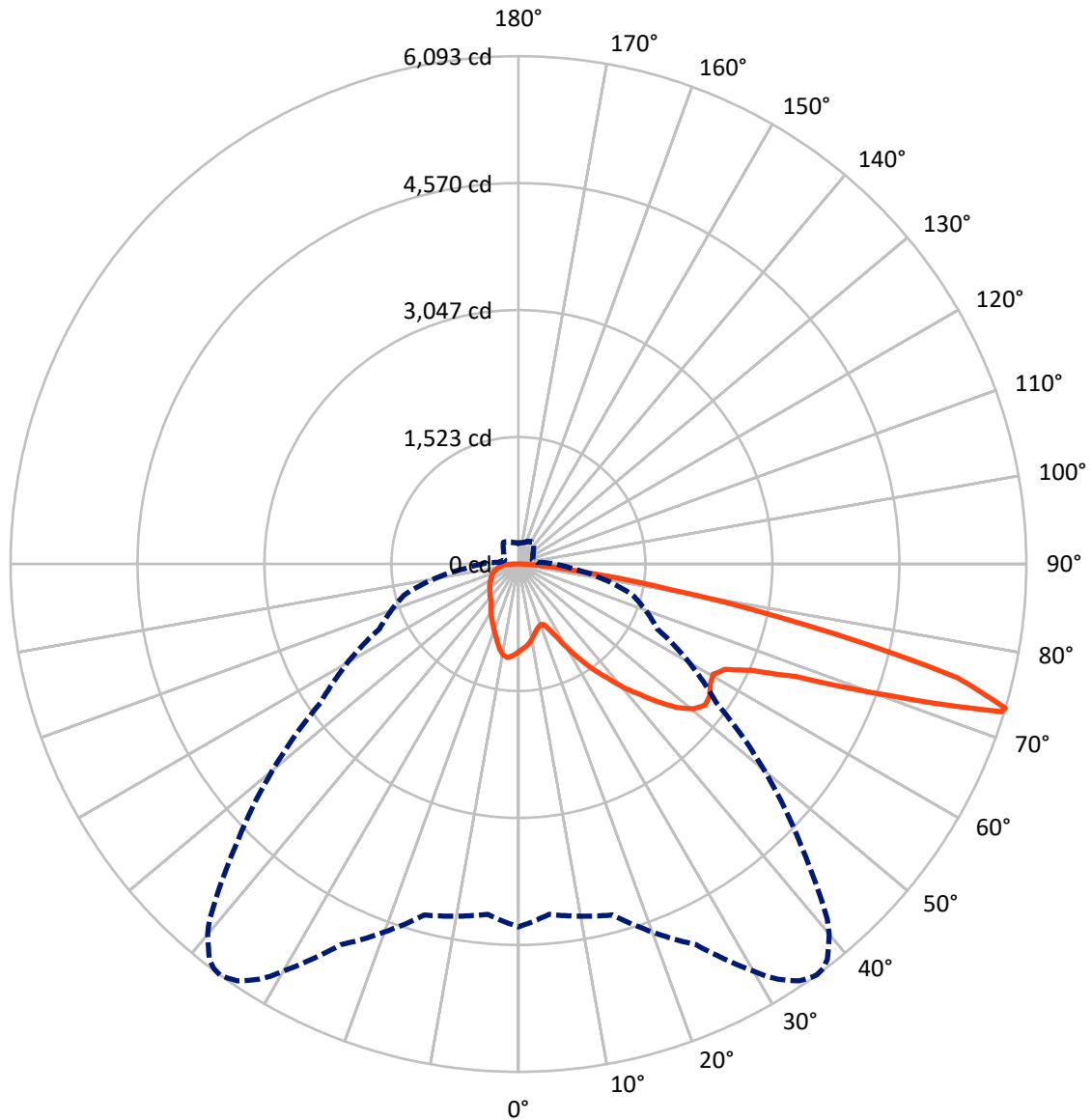


Based on 10 foot mounting height. Maximum calculated value = 11 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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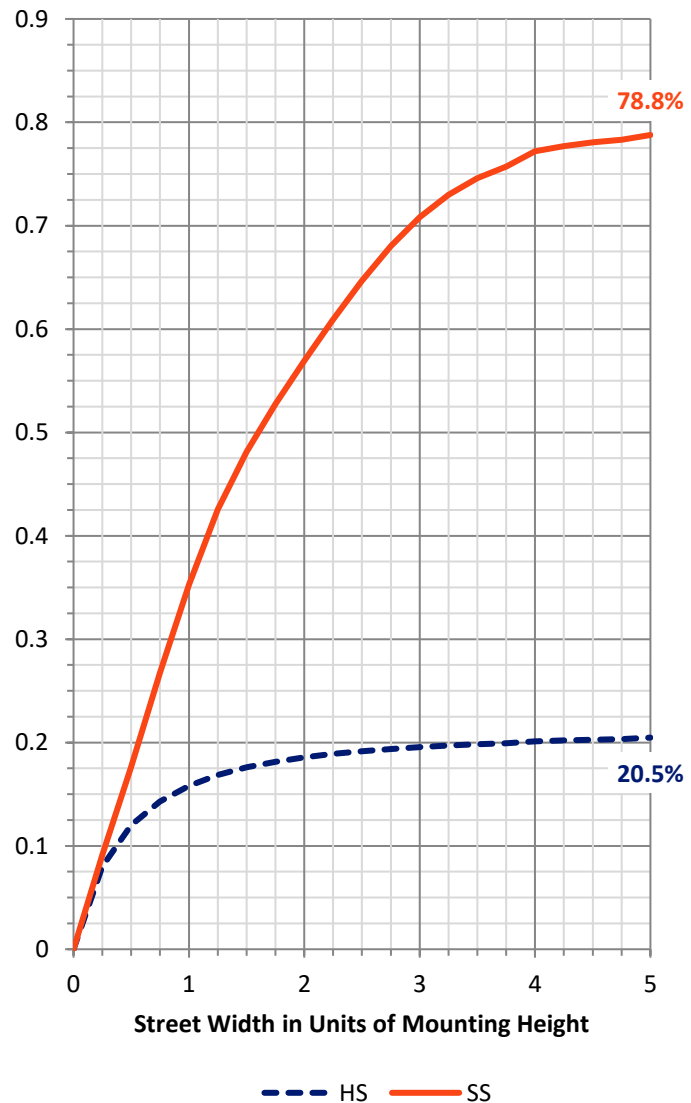
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1505.4	1.6	1507.0
	% Fixture	21.1	0.0	21.1
Street Side	Lumens	5631.6	0.6	5632.2
	% Fixture	78.9	0.0	78.9
Total	Lumens	7137.0	2.2	7139.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.7	1.4
10°-20°	261.5	3.7
20°-30°	428.6	6.0
30°-40°	710.1	9.9
40°-50°	1043.6	14.6
50°-60°	1315.9	18.4
60°-70°	1723.2	24.1
70°-80°	1394.9	19.5
80°-90°	160.5	2.2
90°-100°	2.2	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°	7137.0	100.0
0°-180°	7139.2	100.0



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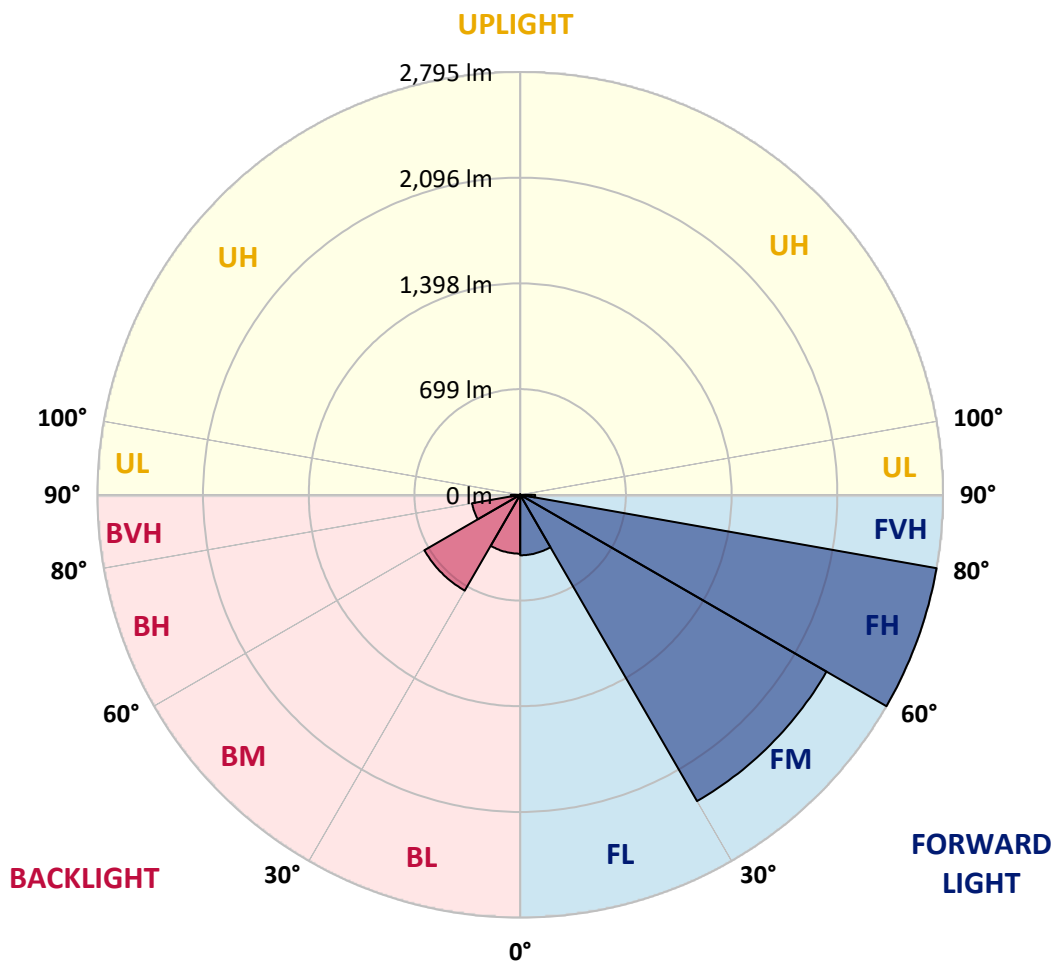
CATALOG NUMBER: IST-AF-1200-LED-E1-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	399.7	5.6			
FM	(30°-60°)	2338.0	32.7			
FH	(60°-80°)	2795.0	39.2			G2/5000
FVH	(80°-90°)	99.0	1.4			G1/100
BL	(0°-30°)	389.2	5.5	B1/500		
BM	(30°-60°)	731.7	10.2	B1/1000		
BH	(60°-80°)	323.0	4.5	B1/500		G1/500
BVH	(80°-90°)	61.5	0.9			G1/100
UL	(90°-100°)	2.2	0.0		U1/10	
UH	(100°-180°)	1.6	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°	1048.5	1048.5	1048.5	1048.5	1048.5	1048.5	1048.5	1048.5	1048.5	1048.5	1048.5
2.5°	1010.7	1012.7	1014.8	1014.8	1014.8	1017.8	1016.8	1016.8	1017.8	1018.9	1018.9
5°	972.8	973.8	980.0	982.0	988.2	987.1	987.1	987.1	991.2	988.2	990.2
7.5°	929.9	931.9	938.0	945.2	950.3	951.3	950.3	948.3	953.4	955.4	953.4
10°	878.7	879.7	887.9	894.1	902.2	901.2	904.3	904.3	906.3	905.3	909.4
12.5°	853.1	851.1	847.0	850.1	852.1	852.1	852.1	855.2	854.2	856.2	859.3
15°	850.1	845.0	824.5	817.3	815.3	815.3	814.3	813.2	816.3	819.4	819.4
17.5°	864.4	854.2	814.3	793.8	789.7	787.7	788.7	786.6	786.6	790.7	789.7
20°	934.0	915.5	835.8	790.7	778.5	778.5	777.4	774.4	774.4	775.4	775.4
22.5°	1110.8	1087.3	948.3	855.2	812.2	811.2	808.1	805.1	796.9	794.8	790.7
25°	1357.4	1329.7	1091.4	991.2	930.9	928.8	913.5	911.4	892.0	893.0	879.7
27.5°	1548.6	1530.2	1282.7	1149.7	1092.4	1080.1	1073.0	1054.7	1038.3	1025.0	1008.6
30°	1614.1	1611.0	1476.0	1368.6	1282.7	1268.4	1248.9	1240.7	1217.2	1198.8	1187.5
32.5°	1717.4	1720.5	1664.2	1545.6	1470.9	1456.6	1440.2	1420.8	1404.4	1392.1	1365.5
35°	1864.7	1865.8	1826.9	1737.9	1652.0	1632.5	1623.3	1600.8	1585.5	1570.1	1556.8
37.5°	1967.0	1972.1	1944.5	1876.0	1824.8	1797.2	1796.2	1779.8	1762.4	1749.1	1736.9
40°	2163.4	2135.8	2044.8	2000.8	1958.8	1955.8	1946.6	1937.4	1941.5	1934.3	1947.6
42.5°	2361.9	2327.1	2200.3	2137.9	2112.3	2117.4	2114.3	2115.4	2127.6	2124.6	2138.9
45°	2531.7	2491.8	2371.1	2297.4	2317.9	2324.0	2341.4	2351.7	2346.5	2365.0	2365.0
47.5°	2701.5	2608.4	2465.2	2499.0	2513.3	2560.3	2572.6	2569.6	2586.9	2595.1	2572.6
50°	2581.8	2557.3	2546.0	2649.3	2713.8	2729.1	2746.5	2755.7	2763.9	2752.7	2730.2
52.5°	2329.2	2327.1	2485.7	2738.3	2792.6	2813.0	2829.4	2836.5	2833.5	2827.3	2808.9
55°	2244.3	2227.9	2365.0	2646.3	2729.1	2748.6	2772.1	2786.4	2800.7	2798.7	2784.4
57.5°	2359.8	2346.5	2347.6	2565.5	2646.3	2663.7	2679.0	2695.4	2699.5	2712.8	2713.8
60°	2695.4	2678.0	2537.8	2562.4	2644.2	2663.7	2665.7	2674.9	2675.9	2683.1	2684.1
62.5°	3179.2	3147.5	2933.7	2749.6	2778.2	2787.4	2794.6	2792.6	2788.5	2783.3	2783.3
65°	3709.0	3679.3	3404.2	3189.5	3106.6	3129.1	3093.3	3086.1	3078.0	3078.0	3068.8
67.5°	4339.2	4282.9	4070.1	3828.7	3709.0	3720.3	3736.6	3674.2	3651.7	3653.8	3605.7
70°	4981.6	4922.2	4829.1	4826.1	4886.4	4859.8	4784.1	4884.4	4765.7	4737.1	4726.9
72.5°	4626.6	4556.0	4575.5	5153.4	5695.5	5783.5	5867.3	5945.1	6014.6	6056.6	6062.7
73°	4354.5	4220.5	4359.6	5038.9	5640.2	5770.2	5874.5	5957.4	6032.0	6069.9	6093.4
75°	2174.7	2181.9	2867.2	4157.1	4929.4	5040.9	5203.5	5294.6	5429.5	5499.1	5437.7
77.5°	504.3	522.7	868.5	1973.2	2955.2	3114.8	3244.6	3377.6	3534.1	3592.4	3541.3
80°	178.0	186.2	305.9	749.8	1233.6	1321.6	1433.1	1579.3	1724.6	1760.4	1850.4
82.5°	94.1	103.3	161.6	325.3	526.8	575.9	604.6	664.9	716.1	746.8	763.1
85°	54.2	55.2	92.1	180.0	241.4	260.9	279.3	293.6	310.0	298.7	298.7
87.5°	21.5	23.5	47.1	84.9	116.6	129.9	129.9	129.9	128.9	113.5	103.3
90°	4.1	6.1	9.2	17.4	15.3	15.3	14.3	12.3	11.3	12.3	7.2
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-1200-LED-E1-T4FT

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°	1048.5	1048.5	1048.5	1048.5	1048.5	1048.5	1048.5	1048.5	1048.5	1048.5	1048.5
2.5°	1020.9	1021.9	1019.9	1024.0	1020.9	1020.9	1026.0	1035.2	1042.4	1044.4	1050.6
5°	992.3	993.3	993.3	994.3	993.3	995.3	1004.5	1012.7	1027.0	1034.2	1043.4
7.5°	955.4	958.5	957.5	959.5	959.5	961.6	975.9	989.2	1003.5	1016.8	1028.1
10°	911.4	913.5	917.6	915.5	915.5	921.7	937.0	956.5	973.8	993.3	1006.6
12.5°	859.3	864.4	863.4	867.5	869.5	873.6	899.2	920.7	942.1	964.6	982.0
15°	818.4	821.4	823.5	824.5	824.5	833.7	859.3	885.9	914.5	941.1	959.5
17.5°	791.8	791.8	793.8	794.8	796.9	803.0	829.6	859.3	892.0	924.7	945.2
20°	776.4	776.4	777.4	778.5	778.5	785.6	810.2	843.9	879.7	921.7	946.2
22.5°	788.7	785.6	784.6	784.6	780.5	780.5	804.0	839.8	884.9	939.1	970.8
25°	872.6	863.4	849.0	846.0	840.9	816.3	813.2	854.2	909.4	976.9	1025.0
27.5°	998.4	989.2	980.0	968.7	960.6	915.5	854.2	891.0	956.5	1052.6	1111.8
30°	1163.0	1144.6	1131.3	1119.0	1083.2	1034.2	939.1	948.3	1029.1	1157.9	1232.6
32.5°	1347.1	1327.7	1307.2	1278.6	1269.4	1189.6	1068.0	1043.4	1121.1	1280.6	1358.4
35°	1525.1	1515.9	1501.6	1490.3	1468.9	1402.4	1235.6	1157.9	1227.4	1424.9	1485.2
37.5°	1731.8	1714.4	1715.4	1706.2	1693.9	1637.6	1409.5	1296.0	1342.0	1563.0	1600.8
40°	1935.3	1931.2	1937.4	1922.0	1901.6	1825.9	1537.4	1397.2	1461.7	1696.0	1686.7
42.5°	2127.6	2130.7	2123.5	2106.2	2083.6	1956.8	1619.2	1483.2	1569.1	1812.6	1755.3
45°	2347.6	2336.3	2306.7	2276.0	2248.3	2069.3	1663.2	1579.3	1672.4	1938.4	1824.8
47.5°	2555.2	2511.2	2485.7	2438.6	2384.4	2171.6	1722.5	1680.6	1787.0	2057.1	1891.3
50°	2707.6	2666.7	2623.8	2566.5	2509.2	2260.6	1801.3	1795.2	1916.9	2190.0	1982.4
52.5°	2777.2	2739.4	2697.4	2639.1	2581.8	2325.1	1906.7	1906.7	2070.4	2366.0	2108.2
55°	2766.0	2738.3	2701.5	2648.3	2604.3	2359.8	2015.1	2029.4	2262.7	2556.3	2253.5
57.5°	2706.6	2691.3	2669.8	2633.0	2597.2	2386.4	2143.0	2152.2	2520.4	2739.4	2390.5
60°	2686.2	2680.0	2667.8	2646.3	2618.7	2444.8	2279.0	2299.5	2808.9	2907.1	2468.3
62.5°	2777.2	2764.9	2755.7	2734.2	2708.7	2588.0	2449.9	2456.0	3080.0	2927.6	2392.6
65°	3032.9	3010.4	2995.1	2966.5	2937.8	2803.8	2667.8	2601.3	3212.9	2736.3	2135.8
67.5°	3568.9	3532.0	3488.1	3433.8	3355.1	3234.4	2883.6	2621.7	3092.3	2317.9	1684.7
70°	4628.6	4548.9	4447.6	4332.0	4302.3	3950.4	3018.6	2470.3	2570.6	1619.2	1117.0
72.5°	6052.5	5969.6	5879.6	5784.5	5596.3	4823.0	2959.3	1992.6	1598.8	832.7	531.9
73°	6076.0	6019.8	5911.3	5800.8	5647.4	4807.7	2894.8	1837.1	1409.5	655.7	435.8
75°	5449.0	5426.4	5320.2	5107.4	4977.5	4060.9	2131.7	1064.9	616.8	405.1	283.4
77.5°	3536.1	3511.6	3451.2	3430.8	3191.5	2633.0	954.4	414.3	335.5	269.0	200.5
80°	1884.2	1769.6	1749.1	1667.3	1492.4	1013.7	326.3	253.7	223.0	180.0	140.1
82.5°	764.1	715.0	696.6	631.2	593.3	303.8	163.7	175.9	149.4	106.4	85.9
85°	281.3	258.8	252.7	205.6	181.1	90.0	100.2	123.8	93.1	59.3	43.0
87.5°	97.2	83.9	72.6	56.3	52.2	36.8	55.2	67.5	59.3	35.8	20.5
90°	7.2	6.1	5.1	4.1	5.1	4.1	6.1	9.2	10.2	6.1	4.1
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: P226619

CATALOG NUMBER: IST-AF-1200-LED-E1-T4FT

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: P226619

CATALOG NUMBER: IST-AF-1200-LED-E1-T4FT

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1048.5	1048.5	1048.5	1048.5	1048.5	1048.5	1048.5	1048.5	1048.5	1048.5
2.5°	1052.6	1056.7	1064.9	1070.9	1076.0	1083.2	1085.2	1089.3	1084.2	1090.4
5°	1048.5	1060.8	1076.0	1090.4	1103.7	1114.9	1120.0	1121.1	1122.1	1126.2
7.5°	1038.3	1056.7	1081.2	1100.6	1121.1	1128.2	1131.3	1132.3	1125.1	1128.2
10°	1017.8	1047.5	1078.1	1101.6	1111.8	1106.7	1098.5	1085.2	1079.1	1079.1
12.5°	995.3	1033.2	1069.0	1082.2	1073.0	1053.6	1031.1	1006.6	997.4	997.4
15°	976.9	1025.0	1054.7	1045.5	1018.9	982.0	951.3	925.8	917.6	914.5
17.5°	966.7	1020.9	1032.2	1003.5	958.5	912.5	881.8	860.3	853.1	853.1
20°	974.9	1025.0	1006.6	953.4	897.1	855.2	828.6	814.3	807.1	810.2
22.5°	1009.7	1040.3	984.1	904.3	835.8	799.9	787.7	778.5	777.4	779.5
25°	1068.0	1060.8	964.6	853.1	778.5	752.9	751.9	748.8	747.8	746.8
27.5°	1143.6	1086.3	941.1	795.9	721.2	708.9	715.0	714.0	713.0	714.0
30°	1243.8	1108.8	906.3	733.5	667.0	667.0	676.2	673.1	669.0	670.0
32.5°	1336.9	1125.1	853.1	663.9	624.0	626.0	629.1	620.9	610.7	612.7
35°	1416.7	1125.1	781.5	601.5	580.0	580.0	582.1	574.9	566.7	563.6
37.5°	1483.2	1102.6	691.5	554.4	544.2	544.2	552.4	545.2	529.9	526.8
40°	1523.1	1053.6	608.7	519.7	526.8	527.8	516.6	504.3	490.0	486.9
42.5°	1548.6	982.0	543.2	495.1	515.6	507.4	480.8	461.4	460.3	464.4
45°	1571.2	901.2	491.0	470.6	503.3	485.9	450.1	431.7	437.8	441.9
47.5°	1593.7	820.4	449.1	442.9	480.8	468.5	430.7	410.2	407.1	413.3
50°	1646.8	707.9	401.0	410.2	453.2	449.1	413.3	389.7	370.3	369.3
52.5°	1718.5	557.5	360.1	381.6	431.7	437.8	393.8	371.3	344.7	340.6
55°	1798.2	427.6	326.3	359.1	411.2	421.5	386.7	352.9	324.3	320.2
57.5°	1821.8	337.6	294.6	327.3	383.6	406.1	375.4	331.4	310.0	305.9
60°	1741.0	280.3	268.0	300.7	356.0	390.8	358.0	315.1	295.6	292.6
62.5°	1494.4	247.6	253.7	283.4	335.5	376.4	344.7	302.8	287.4	285.4
65°	1140.5	225.0	241.4	269.0	317.1	363.1	335.5	297.7	285.4	283.4
67.5°	716.1	208.7	229.1	253.7	298.7	348.8	328.4	291.5	282.3	279.3
70°	396.9	191.3	212.8	236.3	280.3	335.5	319.2	282.3	281.3	275.2
72.5°	241.4	172.9	195.4	217.9	259.8	319.2	302.8	271.1	260.9	248.6
73°	230.2	170.8	191.3	213.8	254.7	315.1	299.7	267.0	256.8	244.5
75°	186.2	153.4	174.9	194.4	236.3	298.7	282.3	252.7	236.3	227.1
77.5°	137.1	130.9	151.4	169.8	212.8	276.2	257.8	231.2	211.8	206.6
80°	101.3	108.4	127.9	144.2	187.2	253.7	232.2	206.6	194.4	188.2
82.5°	68.5	83.9	102.3	115.6	165.7	229.1	205.6	181.1	189.2	157.5
85°	39.9	58.3	73.7	90.0	133.0	204.6	179.0	154.5	135.0	121.7
87.5°	26.6	32.7	45.0	61.4	96.2	160.6	142.2	120.7	88.0	88.0
90°	3.1	4.1	6.1	7.2	13.3	68.5	47.1	56.3	10.2	9.2
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: P226619

CATALOG NUMBER: IST-AF-1200-LED-E1-T4FT

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)