

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: P226598

Luminaire Tested: **IST-AF-1200-LED-E1-T4FT-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P226598
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-7030
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-TYPE IV FORWARD THROW
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6177.8 lumens
Efficiency: N/A
Efficacy: 93.6 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

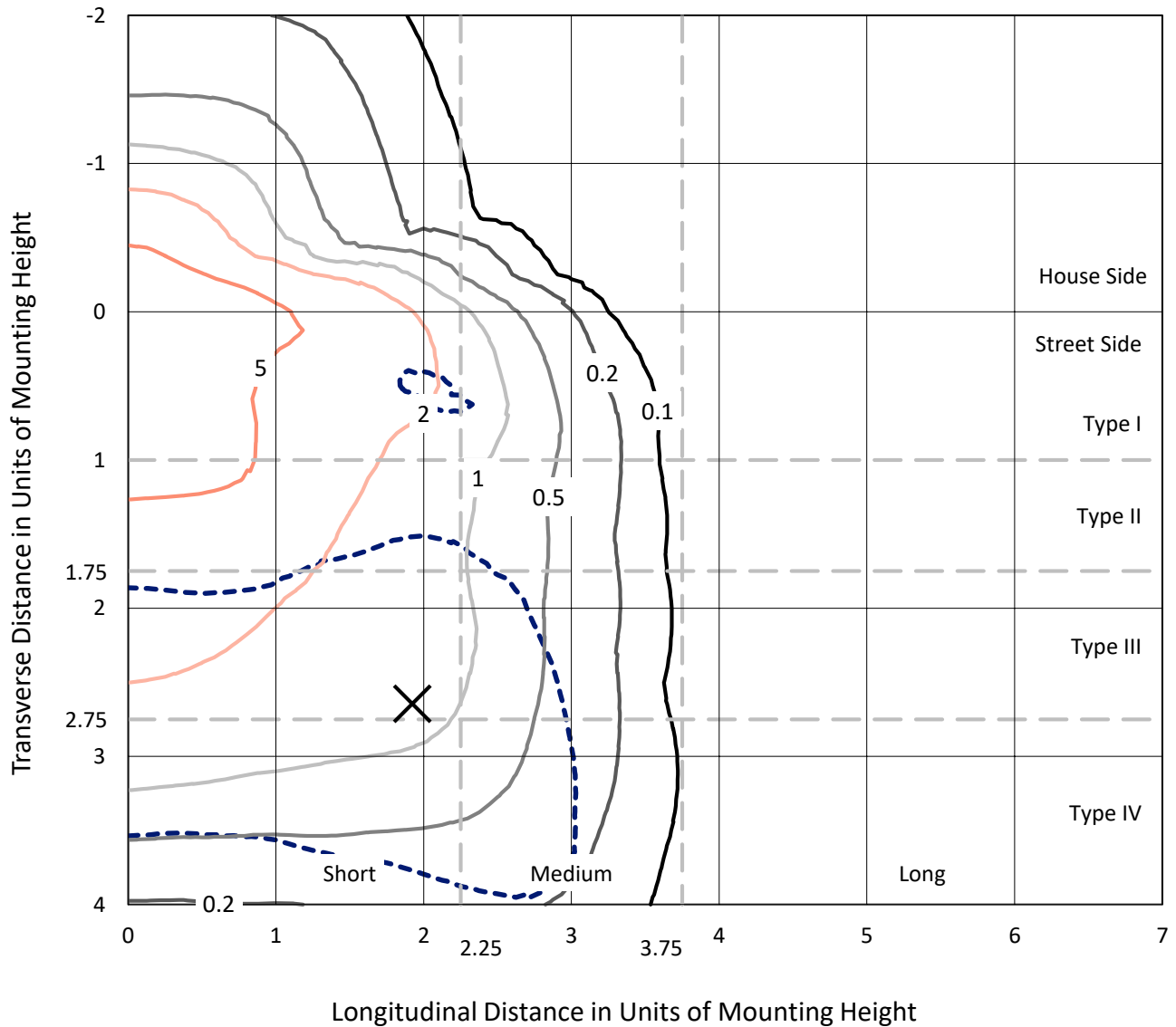
Input Watts (W): 66
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

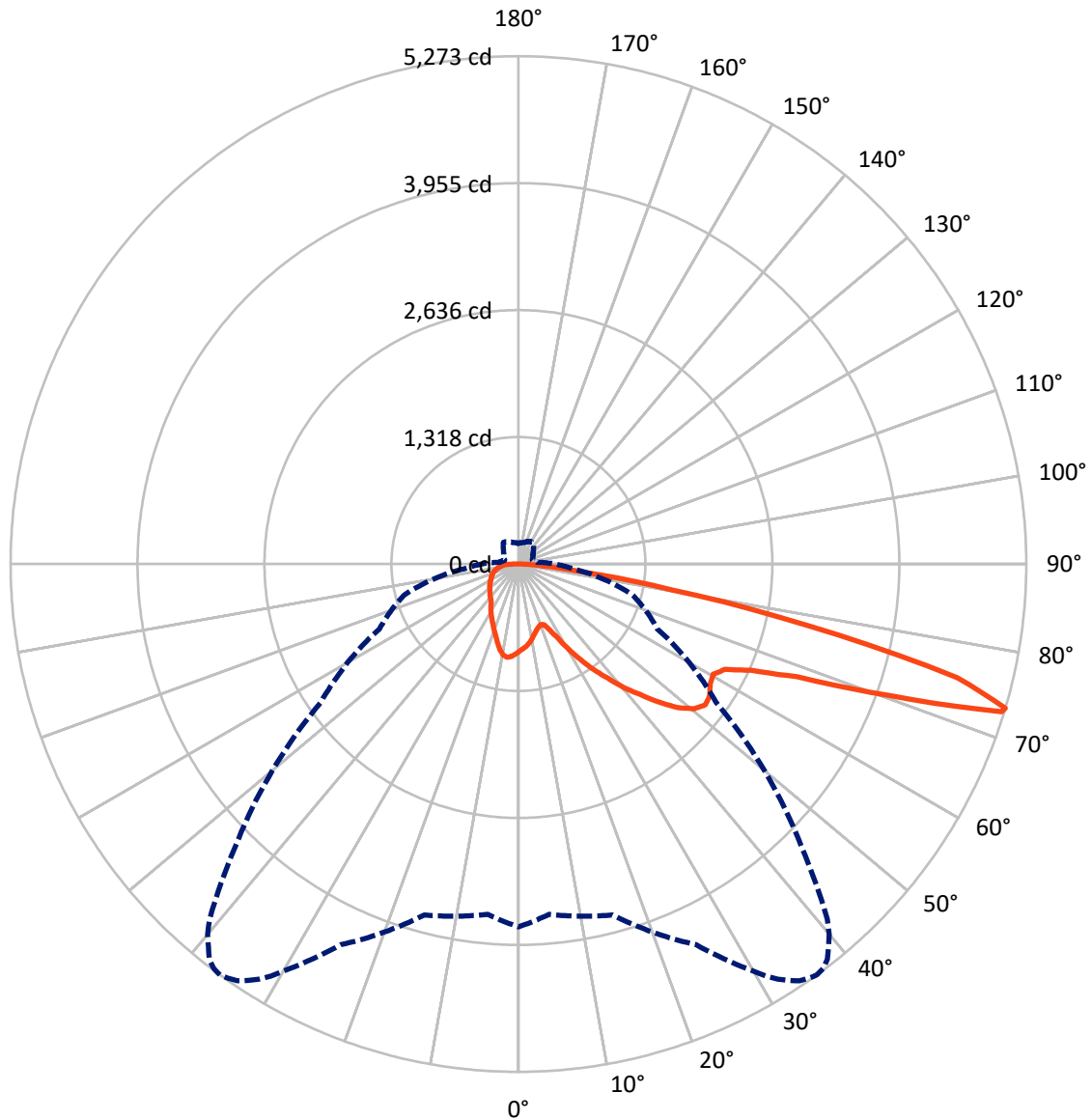
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.5 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	1302.6	1.4	1304.0
	% Fixture	21.1	0.0	21.1
Street Side	Lumens	4873.3	0.5	4873.8
	% Fixture	78.9	0.0	78.9
Total	Lumens	6175.9	1.9	6177.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.4	1.4
10°-20°	226.3	3.7
20°-30°	370.9	6.0
30°-40°	614.5	9.9
40°-50°	903.1	14.6
50°-60°	1138.7	18.4
60°-70°	1491.1	24.1
70°-80°	1207.0	19.5
80°-90°	138.9	2.2
90°-100°	1.9	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°	6175.9	100.0
0°-180°	6177.8	100.0

Coefficient of Utilization



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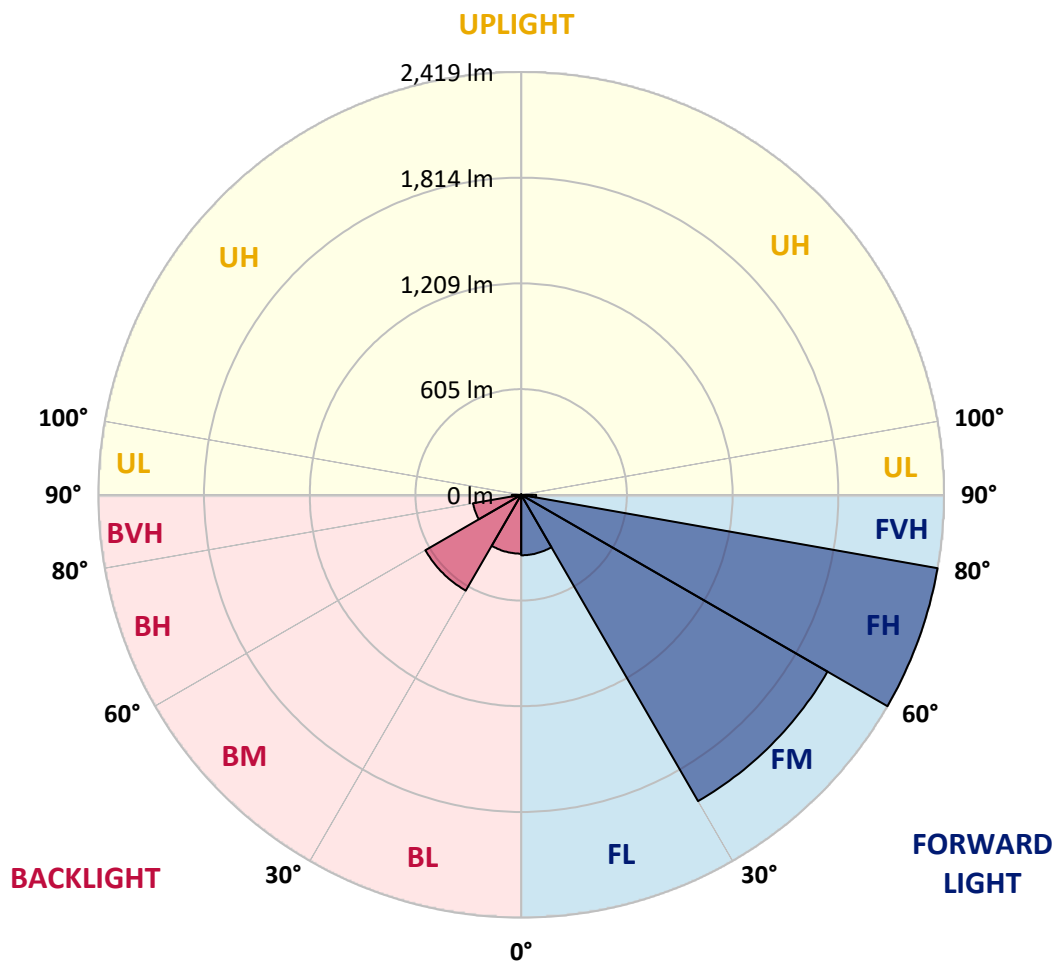
CATALOG NUMBER: IST-AF-1200-LED-E1-T4FT-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	345.8	5.6			
FM	(30°-60°)	2023.1	32.7			
FH	(60°-80°)	2418.7	39.2			G2/5000
FVH	(80°-90°)	85.6	1.4			G1/100
BL	(0°-30°)	336.8	5.5	B1/500		
BM	(30°-60°)	633.1	10.2	B1/1000		
BH	(60°-80°)	279.5	4.5	B1/500		G1/500
BVH	(80°-90°)	53.2	0.9			G1/100
UL	(90°-100°)	1.9	0.0		U1/10	
UH	(100°-180°)	1.4	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°	907.3	907.3	907.3	907.3	907.3	907.3	907.3	907.3	907.3	907.3	907.3
2.5°	874.5	876.3	878.1	878.1	878.1	880.7	879.8	879.8	880.7	881.6	881.6
5°	841.8	842.7	848.0	849.8	855.1	854.2	854.2	854.2	857.7	855.1	856.8
7.5°	804.6	806.4	811.7	817.9	822.3	823.2	822.3	820.5	825.0	826.7	825.0
10°	760.4	761.2	768.3	773.6	780.7	779.8	782.5	782.5	784.2	783.4	786.9
12.5°	738.2	736.5	732.9	735.6	737.3	737.3	737.3	740.0	739.1	740.9	743.5
15°	735.6	731.1	713.4	707.2	705.5	705.5	704.6	703.7	706.4	709.0	709.0
17.5°	748.0	739.1	704.6	686.9	683.3	681.6	682.5	680.7	680.7	684.2	683.3
20°	808.1	792.2	723.2	684.2	673.6	673.6	672.7	670.1	670.1	670.9	670.9
22.5°	961.3	940.9	820.5	740.0	702.8	701.9	699.3	696.6	689.5	687.8	684.2
25°	1174.6	1150.7	944.5	857.7	805.5	803.7	790.4	788.7	771.9	772.7	761.2
27.5°	1340.1	1324.2	1110.0	994.9	945.3	934.7	928.5	912.6	898.4	886.9	872.8
30°	1396.8	1394.1	1277.3	1184.3	1110.0	1097.6	1080.8	1073.7	1053.3	1037.4	1027.7
32.5°	1486.2	1488.8	1440.2	1337.5	1272.9	1260.5	1246.3	1229.5	1215.3	1204.7	1181.7
35°	1613.6	1614.5	1580.9	1503.9	1429.5	1412.7	1404.7	1385.3	1372.0	1358.7	1347.2
37.5°	1702.2	1706.6	1682.7	1623.4	1579.1	1555.2	1554.3	1540.2	1525.1	1513.6	1503.0
40°	1872.1	1848.2	1769.4	1731.4	1695.1	1692.4	1684.5	1676.5	1680.0	1673.8	1685.3
42.5°	2043.8	2013.7	1904.0	1850.0	1827.9	1832.3	1829.6	1830.5	1841.1	1838.5	1850.9
45°	2190.8	2156.2	2051.8	1988.1	2005.8	2011.1	2026.1	2035.0	2030.6	2046.5	2046.5
47.5°	2337.7	2257.2	2133.2	2162.4	2174.8	2215.5	2226.2	2223.5	2238.6	2245.6	2226.2
50°	2234.1	2212.9	2203.2	2292.6	2348.3	2361.6	2376.6	2384.6	2391.7	2382.0	2362.5
52.5°	2015.5	2013.7	2150.9	2369.6	2416.5	2434.2	2448.3	2454.5	2451.9	2446.6	2430.6
55°	1942.0	1927.9	2046.5	2289.9	2361.6	2378.4	2398.8	2411.2	2423.6	2421.8	2409.4
57.5°	2042.1	2030.6	2031.4	2220.0	2289.9	2305.0	2318.2	2332.4	2335.9	2347.4	2348.3
60°	2332.4	2317.3	2196.1	2217.3	2288.1	2305.0	2306.7	2314.7	2315.6	2321.8	2322.7
62.5°	2751.1	2723.6	2538.6	2379.3	2404.1	2412.1	2418.3	2416.5	2412.9	2408.5	2408.5
65°	3209.6	3183.9	2945.8	2759.9	2688.2	2707.7	2676.7	2670.5	2663.4	2663.4	2655.5
67.5°	3754.8	3706.2	3522.0	3313.1	3209.6	3219.3	3233.5	3179.5	3160.0	3161.8	3120.2
70°	4310.7	4259.4	4178.8	4176.2	4228.4	4205.4	4139.9	4226.6	4123.9	4099.2	4090.3
72.5°	4003.6	3942.5	3959.3	4459.4	4928.6	5004.7	5077.3	5144.5	5204.7	5241.0	5246.3
73°	3768.1	3652.2	3772.5	4360.3	4880.8	4993.2	5083.5	5155.2	5219.8	5252.5	5272.9
75°	1881.8	1888.0	2481.1	3597.3	4265.6	4362.1	4502.8	4581.6	4698.4	4758.6	4705.5
77.5°	436.4	452.3	751.5	1707.5	2557.2	2695.3	2807.7	2922.8	3058.2	3108.7	3064.4
80°	154.0	161.1	264.7	648.8	1067.5	1143.6	1240.1	1366.7	1492.4	1523.4	1601.3
82.5°	81.4	89.4	139.9	281.5	455.9	498.3	523.1	575.4	619.6	646.2	660.3
85°	46.9	47.8	79.7	155.8	208.9	225.7	241.6	254.0	268.2	258.5	258.5
87.5°	18.6	20.4	40.7	73.5	100.9	112.4	112.4	112.4	111.5	98.3	89.4
90°	3.5	5.3	8.0	15.0	13.3	13.3	12.4	10.6	9.7	10.6	6.2
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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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°	907.3	907.3	907.3	907.3	907.3	907.3	907.3	907.3	907.3	907.3	907.3
2.5°	883.4	884.3	882.5	886.0	883.4	883.4	887.8	895.8	902.0	903.7	909.1
5°	858.6	859.5	859.5	860.4	859.5	861.3	869.2	876.3	888.7	894.9	902.9
7.5°	826.7	829.4	828.5	830.3	830.3	832.0	844.4	855.9	868.3	879.8	889.6
10°	788.7	790.4	794.0	792.2	792.2	797.5	810.8	827.6	842.7	859.5	871.0
12.5°	743.5	748.0	747.1	750.6	752.4	755.9	778.1	796.6	815.2	834.7	849.8
15°	708.1	710.8	712.6	713.4	713.4	721.4	743.5	766.5	791.3	814.3	830.3
17.5°	685.1	685.1	686.9	687.8	689.5	694.8	717.9	743.5	771.9	800.2	817.9
20°	671.8	671.8	672.7	673.6	673.6	679.8	701.0	730.3	761.2	797.5	818.8
22.5°	682.5	679.8	678.9	678.9	675.4	675.4	695.7	726.7	765.7	812.6	840.0
25°	755.0	747.1	734.7	732.0	727.6	706.4	703.7	739.1	786.9	845.3	886.9
27.5°	863.9	855.9	848.0	838.2	831.2	792.2	739.1	771.0	827.6	910.8	962.2
30°	1006.4	990.5	979.0	968.4	937.4	894.9	812.6	820.5	890.5	1002.0	1066.6
32.5°	1165.8	1148.9	1131.2	1106.4	1098.5	1029.4	924.1	902.9	970.1	1108.2	1175.5
35°	1319.8	1311.8	1299.4	1289.7	1271.1	1213.6	1069.3	1002.0	1062.2	1233.0	1285.2
37.5°	1498.6	1483.5	1484.4	1476.4	1465.8	1417.1	1219.7	1121.5	1161.3	1352.5	1385.3
40°	1674.7	1671.2	1676.5	1663.2	1645.5	1580.0	1330.4	1209.1	1264.9	1467.6	1459.6
42.5°	1841.1	1843.8	1837.6	1822.5	1803.1	1693.3	1401.2	1283.5	1357.8	1568.5	1518.9
45°	2031.4	2021.7	1996.0	1969.5	1945.6	1790.7	1439.3	1366.7	1447.2	1677.4	1579.1
47.5°	2211.1	2173.1	2150.9	2110.2	2063.3	1879.2	1490.6	1454.3	1546.4	1780.1	1636.7
50°	2343.0	2307.6	2270.4	2220.9	2171.3	1956.2	1558.8	1553.5	1658.8	1895.1	1715.4
52.5°	2403.2	2370.5	2334.2	2283.7	2234.1	2012.0	1649.9	1649.9	1791.6	2047.4	1824.3
55°	2393.5	2369.6	2337.7	2291.7	2253.6	2042.1	1743.8	1756.2	1958.0	2212.0	1950.0
57.5°	2342.1	2328.8	2310.3	2278.4	2247.4	2065.1	1854.4	1862.4	2181.0	2370.5	2068.6
60°	2324.4	2319.1	2308.5	2289.9	2266.0	2115.5	1972.1	1989.8	2430.6	2515.6	2135.9
62.5°	2403.2	2392.6	2384.6	2366.0	2343.9	2239.4	2120.0	2125.3	2665.2	2533.3	2070.4
65°	2624.5	2605.0	2591.7	2567.0	2542.2	2426.2	2308.5	2251.0	2780.3	2367.8	1848.2
67.5°	3088.3	3056.4	3018.4	2971.5	2903.3	2798.9	2495.3	2268.7	2675.8	2005.8	1457.9
70°	4005.3	3936.3	3848.7	3748.6	3723.0	3418.5	2612.1	2137.7	2224.4	1401.2	966.6
72.5°	5237.5	5165.8	5087.9	5005.6	4842.7	4173.5	2560.8	1724.3	1383.5	720.5	460.3
73°	5257.8	5209.2	5115.3	5019.7	4887.0	4160.2	2505.0	1589.7	1219.7	567.4	377.1
75°	4715.2	4695.8	4603.7	4419.6	4307.2	3514.1	1844.7	921.4	533.8	350.5	245.2
77.5°	3060.0	3038.7	2986.5	2968.8	2761.7	2278.4	825.9	358.5	290.3	232.8	173.5
80°	1630.5	1531.3	1513.6	1442.8	1291.4	877.2	282.4	219.5	193.0	155.8	121.3
82.5°	661.2	618.7	602.8	546.1	513.4	262.9	141.6	152.2	129.2	92.1	74.4
85°	243.4	223.9	218.6	177.9	156.7	77.9	86.7	107.1	80.5	51.3	37.2
87.5°	84.1	72.6	62.8	48.7	45.1	31.9	47.8	58.4	51.3	31.0	17.7
90°	6.2	5.3	4.4	3.5	4.4	3.5	5.3	8.0	8.9	5.3	3.5
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: P226598

CATALOG NUMBER: IST-AF-1200-LED-E1-T4FT-7030

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: P226598

CATALOG NUMBER: IST-AF-1200-LED-E1-T4FT-7030

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	907.3	907.3	907.3	907.3	907.3	907.3	907.3	907.3	907.3	907.3
2.5°	910.8	914.4	921.4	926.8	931.2	937.4	939.2	942.7	938.3	943.6
5°	907.3	917.9	931.2	943.6	955.1	964.8	969.2	970.1	971.0	974.6
7.5°	898.4	914.4	935.6	952.4	970.1	976.3	979.0	979.9	973.7	976.3
10°	880.7	906.4	933.0	953.3	962.2	957.7	950.7	939.2	933.8	933.8
12.5°	861.3	894.0	925.0	936.5	928.5	911.7	892.2	871.0	863.0	863.0
15°	845.3	886.9	912.6	904.6	881.6	849.8	823.2	801.1	794.0	791.3
17.5°	836.5	883.4	893.1	868.3	829.4	789.6	763.0	744.4	738.2	738.2
20°	843.6	886.9	871.0	825.0	776.3	740.0	717.0	704.6	698.4	701.0
22.5°	873.7	900.2	851.5	782.5	723.2	692.2	681.6	673.6	672.7	674.5
25°	924.1	917.9	834.7	738.2	673.6	651.5	650.6	647.9	647.1	646.2
27.5°	989.6	940.0	814.3	688.7	624.0	613.4	618.7	617.8	617.0	617.8
30°	1076.4	959.5	784.2	634.7	577.1	577.1	585.1	582.4	578.9	579.8
32.5°	1156.9	973.7	738.2	574.5	539.9	541.7	544.4	537.3	528.4	530.2
35°	1225.9	973.7	676.3	520.5	501.9	501.9	503.7	497.5	490.4	487.7
37.5°	1283.5	954.2	598.4	479.8	470.9	470.9	478.0	471.8	458.5	455.9
40°	1318.0	911.7	526.7	449.7	455.9	456.7	447.0	436.4	424.0	421.3
42.5°	1340.1	849.8	470.0	428.4	446.1	439.0	416.0	399.2	398.3	401.9
45°	1359.6	779.8	424.9	407.2	435.5	420.4	389.5	373.5	378.8	382.4
47.5°	1379.1	709.9	388.6	383.3	416.0	405.4	372.7	354.9	352.3	357.6
50°	1425.1	612.5	347.0	354.9	392.1	388.6	357.6	337.2	320.4	319.5
52.5°	1487.1	482.4	311.6	330.2	373.5	378.8	340.8	321.3	298.3	294.8
55°	1556.1	370.0	282.4	310.7	355.8	364.7	334.6	305.4	280.6	277.1
57.5°	1576.5	292.1	254.9	283.3	331.9	351.4	324.9	286.8	268.2	264.7
60°	1506.5	242.5	231.9	260.2	308.0	338.1	309.8	272.6	255.8	253.2
62.5°	1293.2	214.2	219.5	245.2	290.3	325.7	298.3	262.0	248.7	247.0
65°	987.0	194.7	208.9	232.8	274.4	314.2	290.3	257.6	247.0	245.2
67.5°	619.6	180.6	198.3	219.5	258.5	301.8	284.1	252.3	244.3	241.6
70°	343.4	165.5	184.1	204.5	242.5	290.3	276.2	244.3	243.4	238.1
72.5°	208.9	149.6	169.1	188.5	224.8	276.2	262.0	234.6	225.7	215.1
73°	199.2	147.8	165.5	185.0	220.4	272.6	259.4	231.0	222.2	211.6
75°	161.1	132.8	151.4	168.2	204.5	258.5	244.3	218.6	204.5	196.5
77.5°	118.6	113.3	131.0	146.9	184.1	239.0	223.1	200.0	183.2	178.8
80°	87.6	93.8	110.6	124.8	162.0	219.5	200.9	178.8	168.2	162.9
82.5°	59.3	72.6	88.5	100.0	143.4	198.3	177.9	156.7	163.8	136.3
85°	34.5	50.5	63.7	77.9	115.1	177.0	154.9	133.7	116.8	105.3
87.5°	23.0	28.3	38.9	53.1	83.2	139.0	123.0	104.4	76.1	76.1
90°	2.7	3.5	5.3	6.2	11.5	59.3	40.7	48.7	8.9	8.0
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: P226598

CATALOG NUMBER: IST-AF-1200-LED-E1-T4FT-7030

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)