

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: P226612

Luminaire Tested: **IST-AF-1200-LED-E1-T4FT-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P226612  
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-7050  
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE  
LIGHT SQUARE WITH ACCULED OPTICS-TYPE IV FORWARD THROW  
Light Source: (16) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6979.1 lumens  
Efficiency: N/A  
Efficacy: 105.7 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

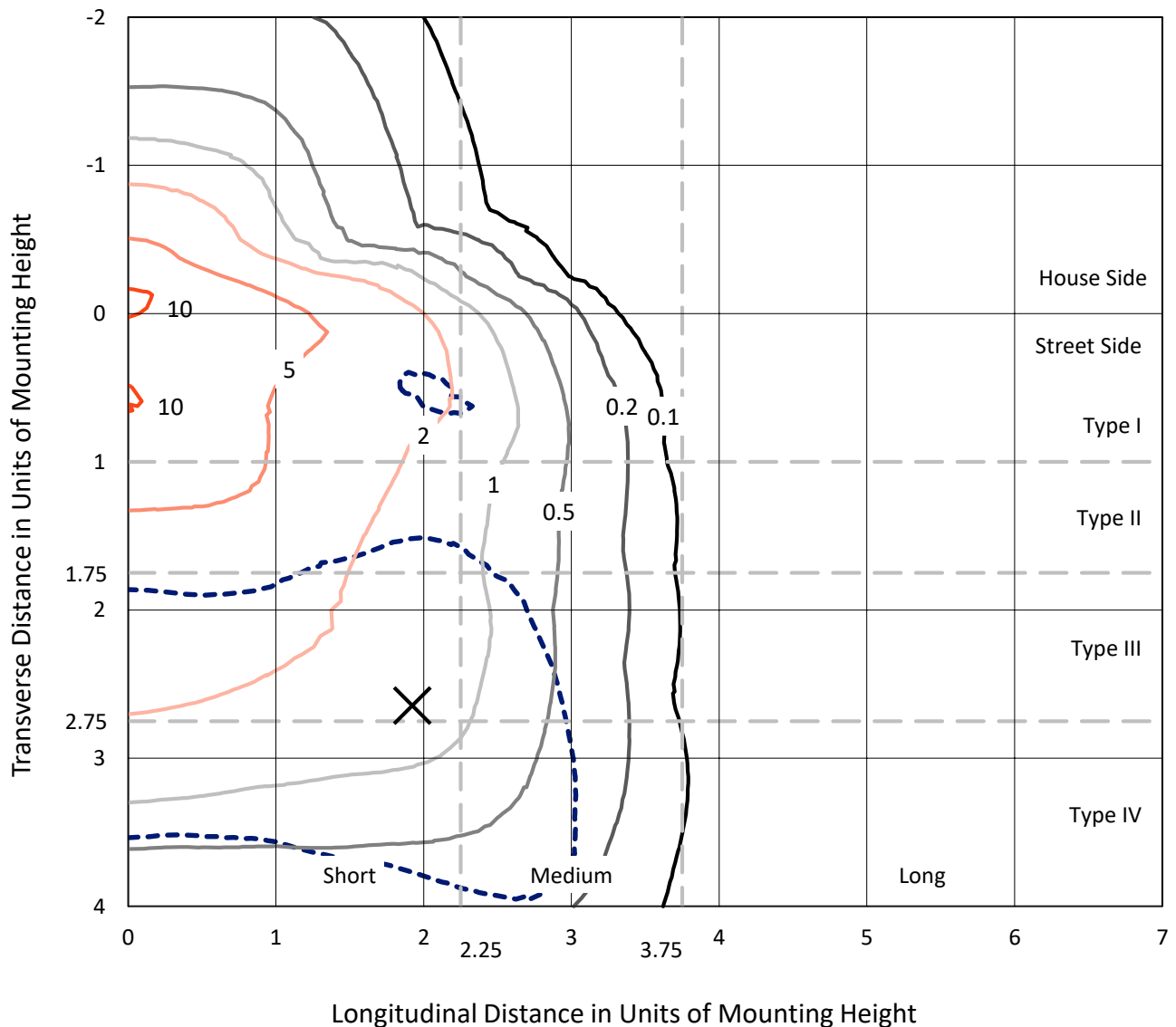
Input Watts (W): 66  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

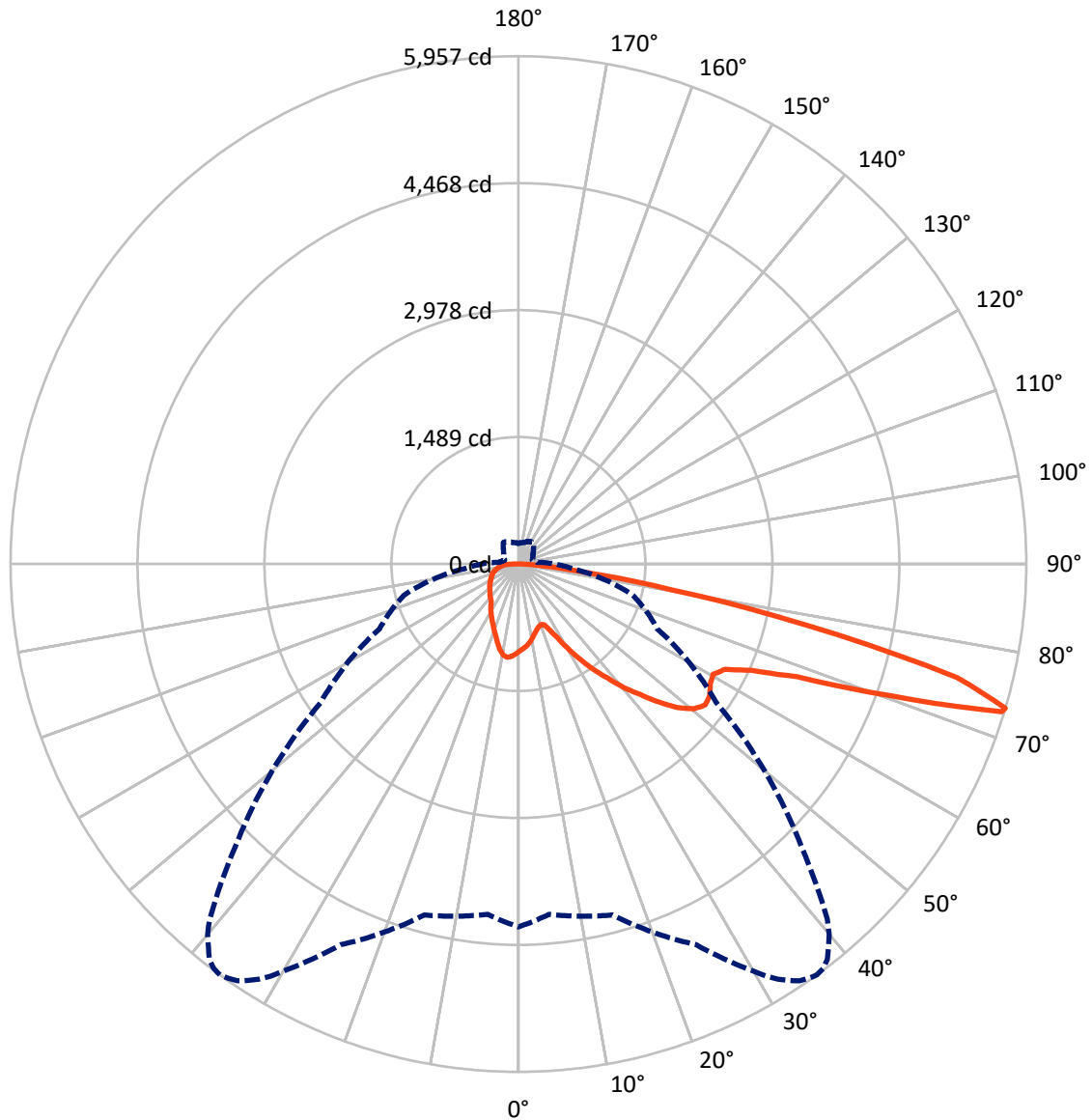
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.8 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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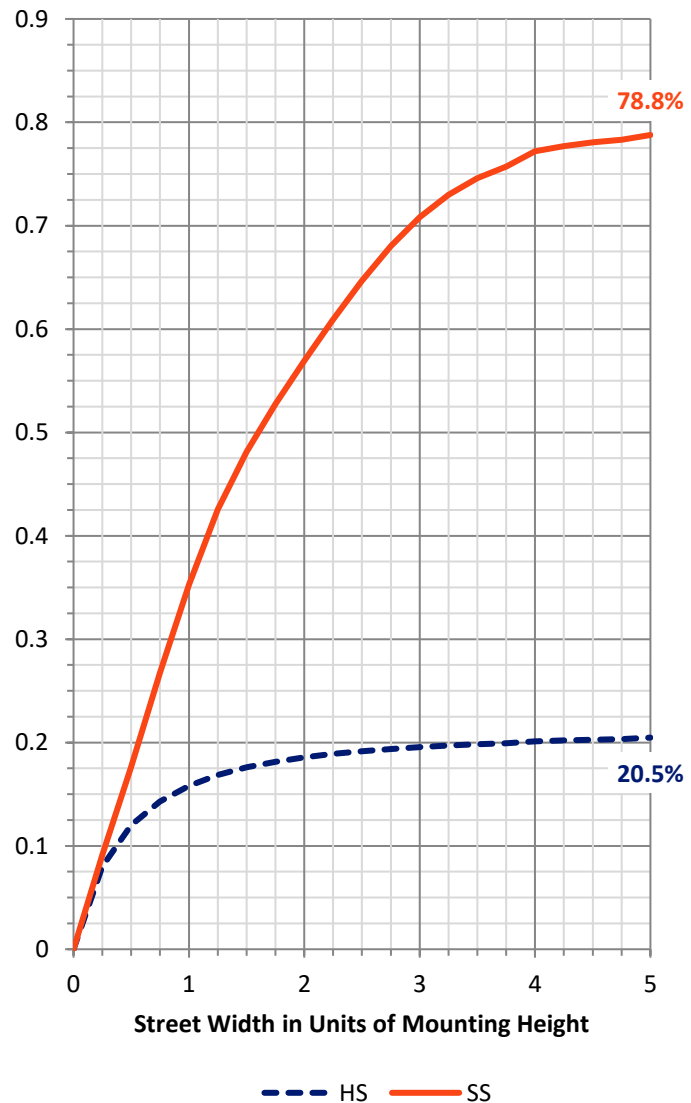
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1471.6	1.6	1473.2
	% Fixture	21.1	0.0	21.1
<b>Street Side</b>	Lumens	5505.3	0.6	5505.9
	% Fixture	78.9	0.0	78.9
<b>Total</b>	Lumens	6976.9	2.2	6979.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.5	1.4
10°-20°	255.7	3.7
20°-30°	419.0	6.0
30°-40°	694.2	9.9
40°-50°	1020.2	14.6
50°-60°	1286.4	18.4
60°-70°	1684.5	24.1
70°-80°	1363.6	19.5
80°-90°	156.9	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°	6976.9	100.0
0°-180°	6979.1	100.0



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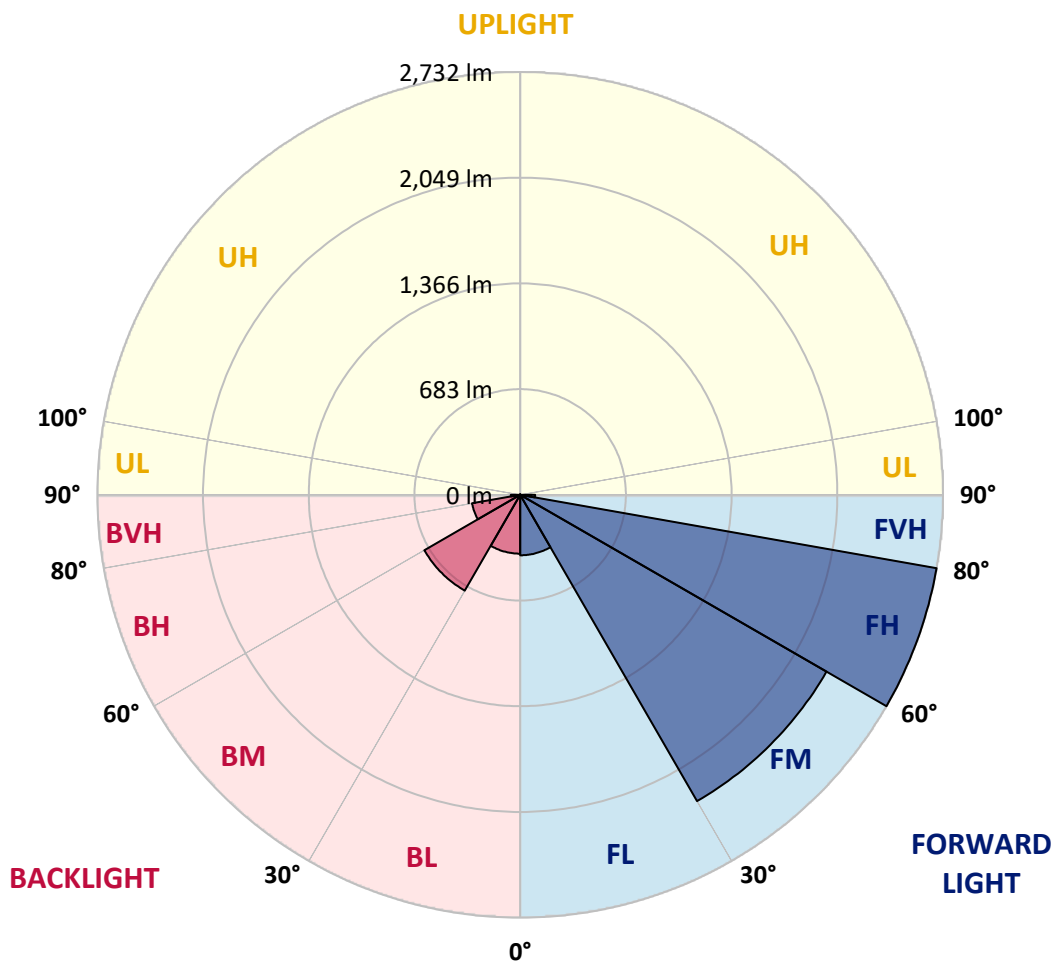
CATALOG NUMBER: IST-AF-1200-LED-E1-T4FT-7050

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	390.7	5.6			
FM	(30°-60°)	2285.5	32.7			
FH	(60°-80°)	2732.3	39.2			G2/5000
FVH	(80°-90°)	96.7	1.4			G1/100
BL	(0°-30°)	380.4	5.5	B1/500		
BM	(30°-60°)	715.3	10.2	B1/1000		
BH	(60°-80°)	315.8	4.5	B1/500		G1/500
BVH	(80°-90°)	60.1	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°	1025.0	1025.0	1025.0	1025.0	1025.0	1025.0	1025.0	1025.0	1025.0	1025.0	1025.0
2.5°	988.0	990.0	992.0	992.0	992.0	995.0	994.0	994.0	995.0	996.0	996.0
5°	951.0	952.0	958.0	960.0	966.0	965.0	965.0	965.0	969.0	966.0	968.0
7.5°	909.0	911.0	917.0	924.0	929.0	930.0	929.0	927.0	932.0	934.0	932.0
10°	859.0	860.0	868.0	874.0	882.0	881.0	884.0	884.0	886.0	885.0	889.0
12.5°	834.0	832.0	828.0	831.0	833.0	833.0	833.0	836.0	835.0	837.0	840.0
15°	831.0	826.0	806.0	799.0	797.0	797.0	796.0	795.0	798.0	801.0	801.0
17.5°	845.0	835.0	796.0	776.0	772.0	770.0	771.0	769.0	769.0	773.0	772.0
20°	913.0	895.0	817.0	773.0	761.0	761.0	760.0	757.0	757.0	758.0	758.0
22.5°	1085.9	1062.9	927.0	836.0	794.0	793.0	790.0	787.0	779.0	777.0	773.0
25°	1326.9	1299.9	1066.9	969.0	910.0	908.0	893.0	891.0	872.0	873.0	860.0
27.5°	1513.9	1495.9	1253.9	1123.9	1067.9	1055.9	1048.9	1031.0	1015.0	1002.0	986.0
30°	1577.9	1574.9	1442.9	1337.9	1253.9	1239.9	1220.9	1212.9	1189.9	1171.9	1160.9
32.5°	1678.9	1681.9	1626.9	1510.9	1437.9	1423.9	1407.9	1388.9	1372.9	1360.9	1334.9
35°	1822.9	1823.9	1785.9	1698.9	1614.9	1595.9	1586.9	1564.9	1549.9	1534.9	1521.9
37.5°	1922.9	1927.9	1900.9	1833.9	1783.9	1756.9	1755.9	1739.9	1722.9	1709.9	1697.9
40°	2114.9	2087.9	1998.9	1955.9	1914.9	1911.9	1902.9	1893.9	1897.9	1890.9	1903.9
42.5°	2308.9	2274.9	2150.9	2089.9	2064.9	2069.9	2066.9	2067.9	2079.9	2076.9	2090.9
45°	2474.9	2435.9	2317.9	2245.9	2265.9	2271.9	2288.9	2298.9	2293.9	2311.9	2311.9
47.5°	2640.9	2549.9	2409.9	2442.9	2456.9	2502.9	2514.9	2511.9	2528.9	2536.9	2514.9
50°	2523.9	2499.9	2488.9	2589.9	2652.9	2667.9	2684.9	2693.9	2701.9	2690.9	2668.9
52.5°	2276.9	2274.9	2429.9	2676.9	2729.9	2749.9	2765.9	2772.9	2769.9	2763.9	2745.9
55°	2193.9	2177.9	2311.9	2586.9	2667.9	2686.9	2709.9	2723.9	2737.9	2735.9	2721.9
57.5°	2306.9	2293.9	2294.9	2507.9	2586.9	2603.9	2618.9	2634.9	2638.9	2651.9	2652.9
60°	2634.9	2617.9	2480.9	2504.9	2584.9	2603.9	2605.9	2614.9	2615.9	2622.9	2623.9
62.5°	3107.9	3076.9	2867.9	2687.9	2715.9	2724.9	2731.9	2729.9	2725.9	2720.9	2720.9
65°	3625.8	3596.8	3327.8	3117.9	3036.9	3058.9	3023.9	3016.9	3008.9	3008.9	2999.9
67.5°	4241.8	4186.8	3978.8	3742.8	3625.8	3636.8	3652.8	3591.8	3569.8	3571.8	3524.8
70°	4869.8	4811.8	4720.8	4717.8	4776.8	4750.8	4676.8	4774.8	4658.8	4630.8	4620.8
72.5°	4522.8	4453.8	4472.8	5037.8	5567.7	5653.7	5735.7	5811.7	5879.7	5920.7	5926.7
73°	4256.8	4125.8	4261.8	4925.8	5513.7	5640.7	5742.7	5823.7	5896.7	5933.7	5956.7
75°	2125.9	2132.9	2802.9	4063.8	4818.8	4927.8	5086.8	5175.8	5307.7	5375.7	5315.7
77.5°	493.0	511.0	849.0	1928.9	2888.9	3044.9	3171.8	3301.8	3454.8	3511.8	3461.8
80°	174.0	182.0	299.0	733.0	1205.9	1291.9	1400.9	1543.9	1685.9	1720.9	1808.9
82.5°	92.0	101.0	158.0	318.0	515.0	563.0	591.0	650.0	700.0	730.0	746.0
85°	53.0	54.0	90.0	176.0	236.0	255.0	273.0	287.0	303.0	292.0	292.0
87.5°	21.0	23.0	46.0	83.0	114.0	127.0	127.0	127.0	126.0	111.0	101.0
90°	4.0	6.0	9.0	17.0	15.0	15.0	14.0	12.0	11.0	12.0	7.0
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°	1025.0	1025.0	1025.0	1025.0	1025.0	1025.0	1025.0	1025.0	1025.0	1025.0	1025.0
2.5°	998.0	999.0	997.0	1001.0	998.0	998.0	1003.0	1012.0	1019.0	1021.0	1027.0
5°	970.0	971.0	971.0	972.0	971.0	973.0	982.0	990.0	1004.0	1011.0	1020.0
7.5°	934.0	937.0	936.0	938.0	938.0	940.0	954.0	967.0	981.0	994.0	1005.0
10°	891.0	893.0	897.0	895.0	895.0	901.0	916.0	935.0	952.0	971.0	984.0
12.5°	840.0	845.0	844.0	848.0	850.0	854.0	879.0	900.0	921.0	943.0	960.0
15°	800.0	803.0	805.0	806.0	806.0	815.0	840.0	866.0	894.0	920.0	938.0
17.5°	774.0	774.0	776.0	777.0	779.0	785.0	811.0	840.0	872.0	904.0	924.0
20°	759.0	759.0	760.0	761.0	761.0	768.0	792.0	825.0	860.0	901.0	925.0
22.5°	771.0	768.0	767.0	767.0	763.0	763.0	786.0	821.0	865.0	918.0	949.0
25°	853.0	844.0	830.0	827.0	822.0	798.0	795.0	835.0	889.0	955.0	1002.0
27.5°	976.0	967.0	958.0	947.0	939.0	895.0	835.0	871.0	935.0	1029.0	1086.9
30°	1136.9	1118.9	1105.9	1093.9	1058.9	1011.0	918.0	927.0	1006.0	1131.9	1204.9
32.5°	1316.9	1297.9	1277.9	1249.9	1240.9	1162.9	1044.0	1020.0	1095.9	1251.9	1327.9
35°	1490.9	1481.9	1467.9	1456.9	1435.9	1370.9	1207.9	1131.9	1199.9	1392.9	1451.9
37.5°	1692.9	1675.9	1676.9	1667.9	1655.9	1600.9	1377.9	1266.9	1311.9	1527.9	1564.9
40°	1891.9	1887.9	1893.9	1878.9	1858.9	1784.9	1502.9	1365.9	1428.9	1657.9	1648.9
42.5°	2079.9	2082.9	2075.9	2058.9	2036.9	1912.9	1582.9	1449.9	1533.9	1771.9	1715.9
45°	2294.9	2283.9	2254.9	2224.9	2197.9	2022.9	1625.9	1543.9	1634.9	1894.9	1783.9
47.5°	2497.9	2454.9	2429.9	2383.9	2330.9	2122.9	1683.9	1642.9	1746.9	2010.9	1848.9
50°	2646.9	2606.9	2564.9	2508.9	2452.9	2209.9	1760.9	1754.9	1873.9	2140.9	1937.9
52.5°	2714.9	2677.9	2636.9	2579.9	2523.9	2272.9	1863.9	1863.9	2023.9	2312.9	2060.9
55°	2703.9	2676.9	2640.9	2588.9	2545.9	2306.9	1969.9	1983.9	2211.9	2498.9	2202.9
57.5°	2645.9	2630.9	2609.9	2573.9	2538.9	2332.9	2094.9	2103.9	2463.9	2677.9	2336.9
60°	2625.9	2619.9	2607.9	2586.9	2559.9	2389.9	2227.9	2247.9	2745.9	2841.9	2412.9
62.5°	2714.9	2702.9	2693.9	2672.9	2647.9	2529.9	2394.9	2400.9	3010.9	2861.9	2338.9
65°	2964.9	2942.9	2927.9	2899.9	2871.9	2740.9	2607.9	2542.9	3140.8	2674.9	2087.9
67.5°	3488.8	3452.8	3409.8	3356.8	3279.8	3161.8	2818.9	2562.9	3022.9	2265.9	1646.9
70°	4524.8	4446.8	4347.8	4234.8	4205.8	3861.8	2950.9	2414.9	2512.9	1582.9	1091.9
72.5°	5916.7	5835.7	5747.7	5654.7	5470.7	4714.8	2892.9	1947.9	1562.9	814.0	520.0
73°	5939.7	5884.7	5778.7	5670.7	5520.7	4699.8	2829.9	1795.9	1377.9	641.0	426.0
75°	5326.7	5304.7	5200.8	4992.8	4865.8	3969.8	2083.9	1041.0	603.0	396.0	277.0
77.5°	3456.8	3432.8	3373.8	3353.8	3119.9	2573.9	933.0	405.0	328.0	263.0	196.0
80°	1841.9	1729.9	1709.9	1629.9	1458.9	991.0	319.0	248.0	218.0	176.0	137.0
82.5°	747.0	699.0	681.0	617.0	580.0	297.0	160.0	172.0	146.0	104.0	84.0
85°	275.0	253.0	247.0	201.0	177.0	88.0	98.0	121.0	91.0	58.0	42.0
87.5°	95.0	82.0	71.0	55.0	51.0	36.0	54.0	66.0	58.0	35.0	20.0
90°	7.0	6.0	5.0	4.0	5.0	4.0	6.0	9.0	10.0	6.0	4.0
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



REPORT NUMBER: P226612

CATALOG NUMBER: IST-AF-1200-LED-E1-T4FT-7050

**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: P226612

CATALOG NUMBER: IST-AF-1200-LED-E1-T4FT-7050

**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1025.0	1025.0	1025.0	1025.0	1025.0	1025.0	1025.0	1025.0	1025.0	1025.0
2.5°	1029.0	1033.0	1041.0	1046.9	1051.9	1058.9	1060.9	1064.9	1059.9	1065.9
5°	1025.0	1037.0	1051.9	1065.9	1078.9	1089.9	1094.9	1095.9	1096.9	1100.9
7.5°	1015.0	1033.0	1056.9	1075.9	1095.9	1102.9	1105.9	1106.9	1099.9	1102.9
10°	995.0	1024.0	1053.9	1076.9	1086.9	1081.9	1073.9	1060.9	1054.9	1054.9
12.5°	973.0	1010.0	1045.0	1057.9	1048.9	1030.0	1008.0	984.0	975.0	975.0
15°	955.0	1002.0	1031.0	1022.0	996.0	960.0	930.0	905.0	897.0	894.0
17.5°	945.0	998.0	1009.0	981.0	937.0	892.0	862.0	841.0	834.0	834.0
20°	953.0	1002.0	984.0	932.0	877.0	836.0	810.0	796.0	789.0	792.0
22.5°	987.0	1017.0	962.0	884.0	817.0	782.0	770.0	761.0	760.0	762.0
25°	1044.0	1037.0	943.0	834.0	761.0	736.0	735.0	732.0	731.0	730.0
27.5°	1117.9	1061.9	920.0	778.0	705.0	693.0	699.0	698.0	697.0	698.0
30°	1215.9	1083.9	886.0	717.0	652.0	652.0	661.0	658.0	654.0	655.0
32.5°	1306.9	1099.9	834.0	649.0	610.0	612.0	615.0	607.0	597.0	599.0
35°	1384.9	1099.9	764.0	588.0	567.0	567.0	569.0	562.0	554.0	551.0
37.5°	1449.9	1077.9	676.0	542.0	532.0	532.0	540.0	533.0	518.0	515.0
40°	1488.9	1030.0	595.0	508.0	515.0	516.0	505.0	493.0	479.0	476.0
42.5°	1513.9	960.0	531.0	484.0	504.0	496.0	470.0	451.0	450.0	454.0
45°	1535.9	881.0	480.0	460.0	492.0	475.0	440.0	422.0	428.0	432.0
47.5°	1557.9	802.0	439.0	433.0	470.0	458.0	421.0	401.0	398.0	404.0
50°	1609.9	692.0	392.0	401.0	443.0	439.0	404.0	381.0	362.0	361.0
52.5°	1679.9	545.0	352.0	373.0	422.0	428.0	385.0	363.0	337.0	333.0
55°	1757.9	418.0	319.0	351.0	402.0	412.0	378.0	345.0	317.0	313.0
57.5°	1780.9	330.0	288.0	320.0	375.0	397.0	367.0	324.0	303.0	299.0
60°	1701.9	274.0	262.0	294.0	348.0	382.0	350.0	308.0	289.0	286.0
62.5°	1460.9	242.0	248.0	277.0	328.0	368.0	337.0	296.0	281.0	279.0
65°	1114.9	220.0	236.0	263.0	310.0	355.0	328.0	291.0	279.0	277.0
67.5°	700.0	204.0	224.0	248.0	292.0	341.0	321.0	285.0	276.0	273.0
70°	388.0	187.0	208.0	231.0	274.0	328.0	312.0	276.0	275.0	269.0
72.5°	236.0	169.0	191.0	213.0	254.0	312.0	296.0	265.0	255.0	243.0
73°	225.0	167.0	187.0	209.0	249.0	308.0	293.0	261.0	251.0	239.0
75°	182.0	150.0	171.0	190.0	231.0	292.0	276.0	247.0	231.0	222.0
77.5°	134.0	128.0	148.0	166.0	208.0	270.0	252.0	226.0	207.0	202.0
80°	99.0	106.0	125.0	141.0	183.0	248.0	227.0	202.0	190.0	184.0
82.5°	67.0	82.0	100.0	113.0	162.0	224.0	201.0	177.0	185.0	154.0
85°	39.0	57.0	72.0	88.0	130.0	200.0	175.0	151.0	132.0	119.0
87.5°	26.0	32.0	44.0	60.0	94.0	157.0	139.0	118.0	86.0	86.0
90°	3.0	4.0	6.0	7.0	13.0	67.0	46.0	55.0	10.0	9.0
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: P226612

CATALOG NUMBER: IST-AF-1200-LED-E1-T4FT-7050

**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)