

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: P226259

Luminaire Tested: **IST-AF-1200-LED-E1-T2-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P226259
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-1200-LED-E1-T2-8030
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-TYPE II
Light Source: (16) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5621.4 lumens
Efficiency: N/A
Efficacy: 85.2 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 - G1

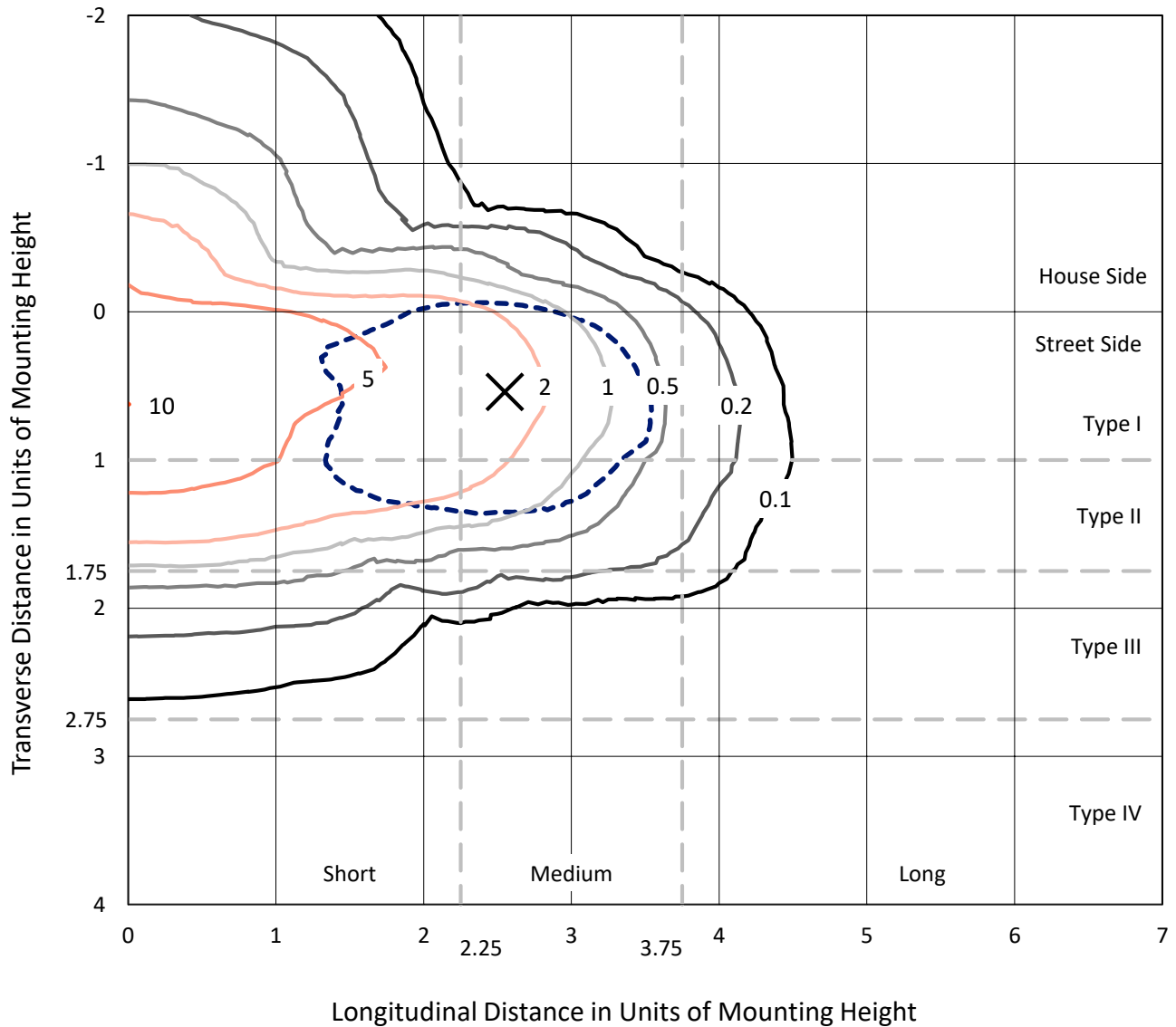
Input Watts (W): 66
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

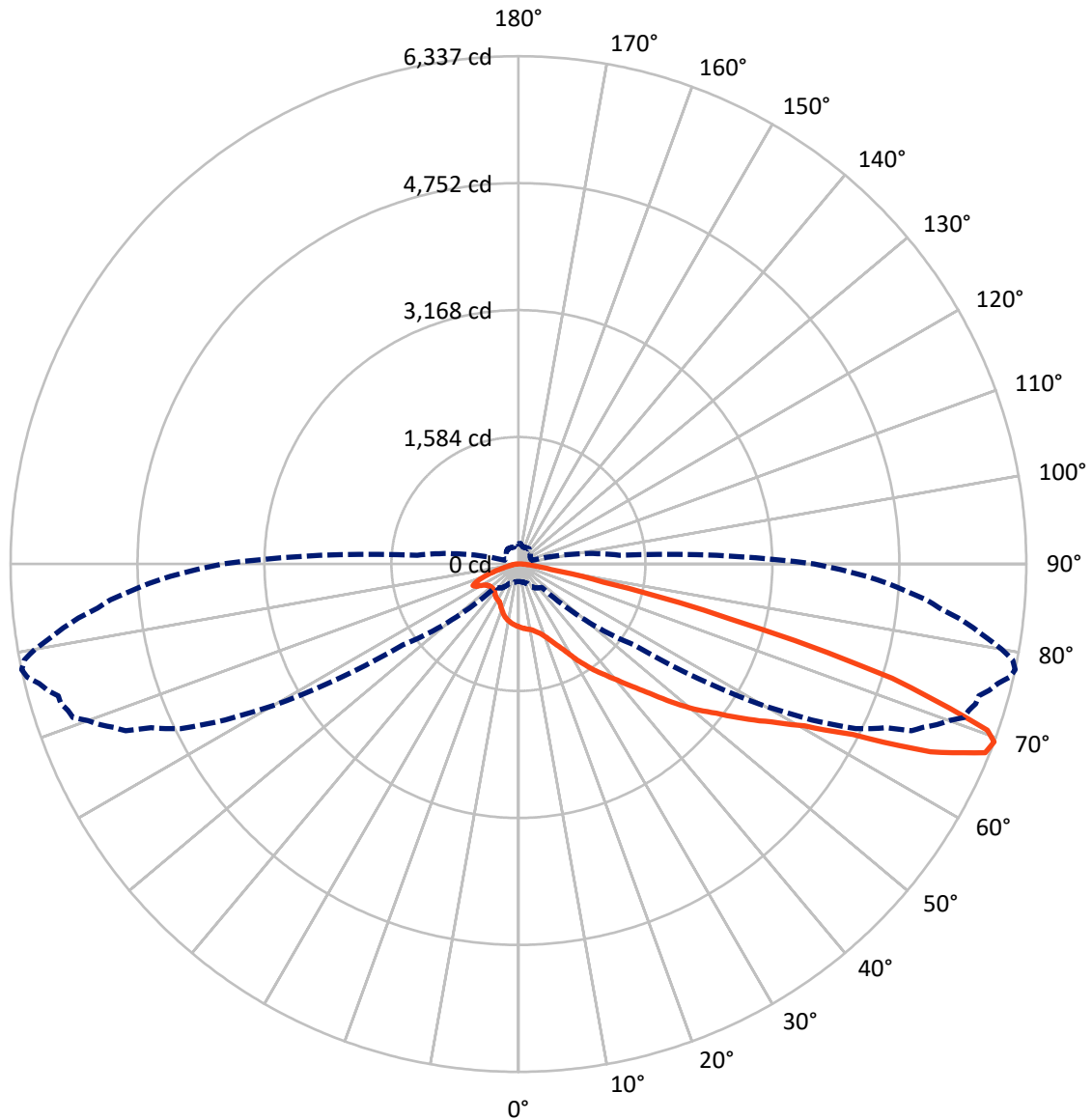
× Max cd
 - - - 1/2 Max cd



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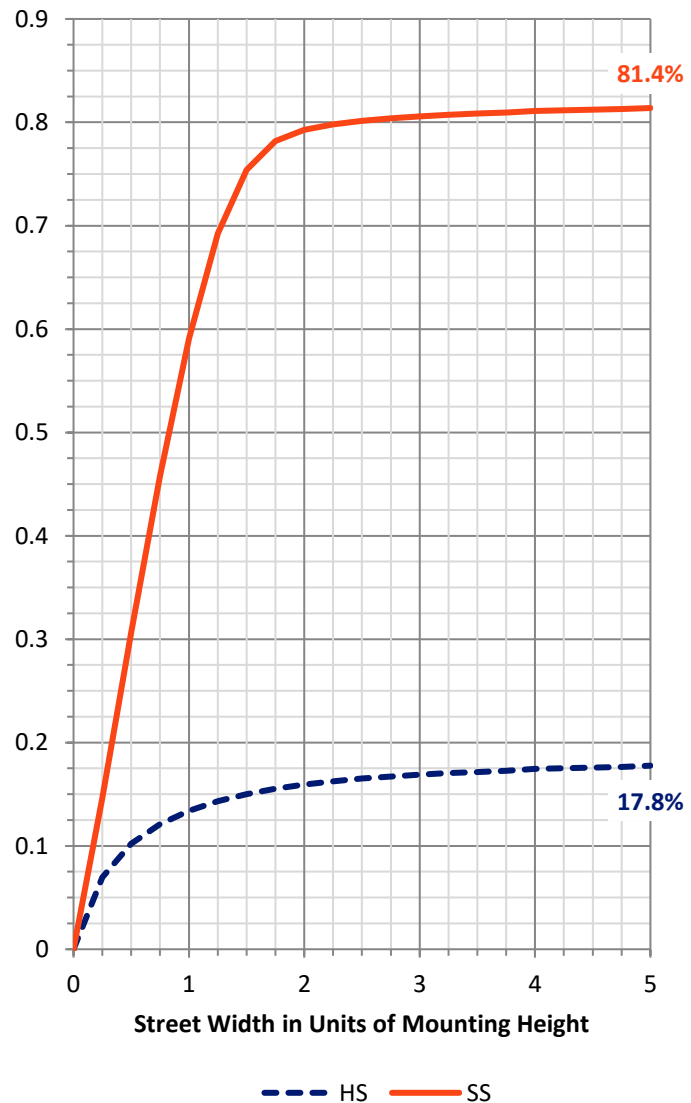
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1027.8	2.0	1029.8
	% Fixture	18.3	0.0	18.3
Street Side	Lumens	4590.7	0.9	4591.7
	% Fixture	81.7	0.0	81.7
Total	Lumens	5618.5	2.9	5621.4
	% Fixture	99.9	0.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.6	1.3
10°-20°	219.2	3.9
20°-30°	393.0	7.0
30°-40°	641.5	11.4
40°-50°	948.8	16.9
50°-60°	1238.9	22.0
60°-70°	1385.5	24.6
70°-80°	622.0	11.1
80°-90°	97.0	1.7
90°-100°	2.9	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°	5618.5	99.9
0°-180°	5621.4	100.0



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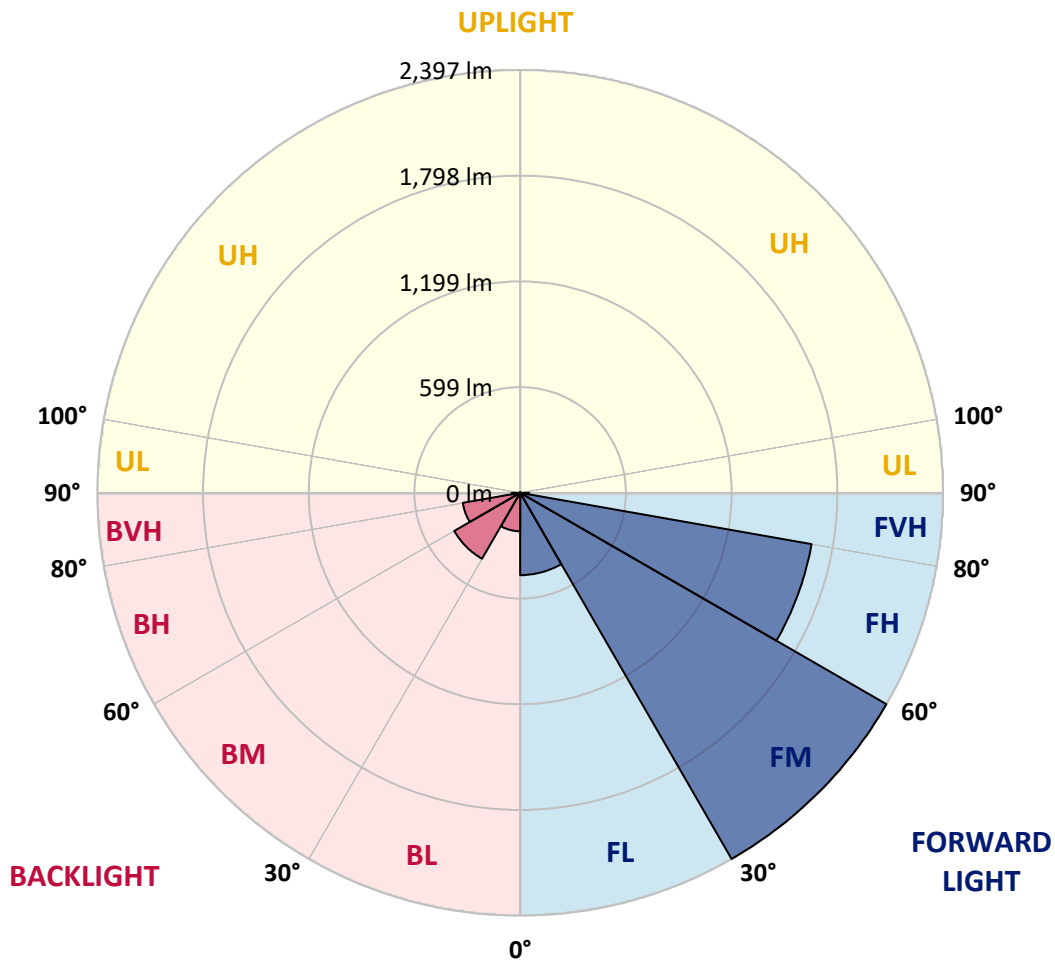
CATALOG NUMBER: IST-AF-1200-LED-E1-T2-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	466.6	8.3			
FM	(30°-60°)	2397.3	42.6			
FH	(60°-80°)	1677.3	29.8			G1/1800
FVH	(80°-90°)	49.5	0.9			G1/100
BL	(0°-30°)	218.1	3.9	B1/500		
BM	(30°-60°)	431.8	7.7	B1/1000		
BH	(60°-80°)	330.3	5.9	B1/500		G1/500
BVH	(80°-90°)	47.5	0.8			G1/100
UL	(90°-100°)	2.9	0.1		U1/10	
UH	(100°-180°)	2.0	0.0		U1/10	

BUG Rating: B1-U1-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8
2.5°	837.3	837.3	834.8	833.2	830.7	824.2	814.4	812.8	812.0	810.3	808.7
5°	898.5	891.9	893.6	889.5	880.5	869.1	851.1	842.2	837.3	836.5	833.2
7.5°	948.3	949.1	946.6	938.5	926.2	912.3	887.9	874.0	869.9	867.5	861.8
10°	984.2	981.7	980.1	978.4	968.7	957.2	926.2	909.1	905.8	899.3	892.8
12.5°	1010.3	1010.3	1010.3	1008.6	1002.9	994.0	969.5	952.3	948.3	939.3	933.6
15°	1038.8	1035.6	1032.3	1029.9	1030.7	1030.7	1012.7	999.7	993.1	988.2	976.8
17.5°	1100.0	1092.7	1085.3	1075.6	1060.1	1056.0	1055.2	1054.3	1045.4	1044.5	1033.1
20°	1152.3	1145.7	1139.2	1129.4	1107.4	1083.7	1096.0	1107.4	1105.8	1106.6	1100.9
22.5°	1216.7	1211.8	1198.8	1187.4	1158.8	1130.2	1131.9	1156.3	1159.6	1162.9	1164.5
25°	1304.9	1302.4	1281.2	1259.2	1226.5	1199.6	1174.3	1204.5	1211.0	1218.4	1233.1
27.5°	1393.8	1388.1	1365.3	1345.7	1304.9	1276.3	1241.2	1257.5	1267.3	1281.2	1304.1
30°	1508.9	1493.4	1485.2	1441.1	1403.6	1362.0	1331.8	1336.7	1335.1	1351.4	1386.5
32.5°	1675.4	1650.9	1610.1	1566.0	1521.9	1466.4	1441.1	1440.3	1436.3	1455.0	1474.6
35°	1765.1	1759.4	1734.1	1690.0	1641.9	1589.7	1573.3	1557.8	1560.3	1570.1	1577.4
37.5°	1862.2	1857.3	1837.8	1813.3	1776.5	1805.1	1714.5	1691.7	1681.1	1676.2	1678.6
40°	1904.7	1908.7	1919.4	1923.4	1902.2	2039.3	1860.6	1785.5	1782.3	1774.9	1767.6
42.5°	1913.6	1924.3	1945.5	1992.0	2012.4	2311.1	1981.4	1890.8	1877.7	1872.0	1872.8
45°	1946.3	1962.6	1966.7	2009.1	2105.4	2324.9	2117.7	1983.8	1974.0	1973.2	1968.3
47.5°	2025.4	2047.5	2047.5	2066.2	2157.6	2351.9	2164.2	2076.9	2070.3	2067.1	2080.1
50°	2036.9	2066.2	2125.0	2185.4	2251.5	2373.9	2217.2	2178.0	2180.5	2187.8	2226.2
52.5°	1843.5	1872.8	2027.9	2205.8	2421.2	2434.3	2297.2	2312.7	2329.0	2364.9	2435.1
55°	1580.7	1601.9	1785.5	2070.3	2427.8	2663.6	2497.9	2541.2	2575.5	2586.1	2696.2
57.5°	1244.5	1273.9	1460.7	1830.4	2267.0	2728.9	2959.8	2979.4	2941.1	2976.1	3016.1
60°	674.1	670.8	931.1	1323.6	1929.1	2608.1	3405.4	3741.6	3749.8	3803.6	3739.2
62.5°	377.0	377.0	452.1	679.8	1241.2	2206.6	3619.2	4401.0	4503.0	4588.7	4777.2
65°	284.8	287.3	314.2	409.7	696.9	1393.0	3462.5	4626.2	4822.1	5018.7	5349.2
67.5°	236.7	236.7	256.2	305.2	435.8	632.4	2549.3	4174.1	4418.9	4653.9	5110.9
69°	219.5	220.3	235.0	268.5	364.8	411.3	1761.0	3539.2	3819.1	4144.7	4683.3
70°	211.4	208.9	222.8	250.5	330.5	324.8	1290.2	3077.3	3294.4	3586.6	4205.9
72.5°	187.7	185.2	192.6	213.8	260.3	231.8	526.4	1655.8	1983.0	2310.2	2804.0
75°	167.3	164.8	170.6	180.3	202.4	177.1	264.4	693.6	839.7	1085.3	1497.5
77.5°	147.7	142.8	147.7	154.2	159.1	132.2	179.5	320.7	393.3	483.1	682.2
80°	133.8	128.9	134.6	131.4	124.9	102.0	119.1	186.9	207.3	248.1	324.8
82.5°	95.5	94.7	128.1	132.2	99.6	74.3	84.9	120.0	133.8	141.2	171.4
85°	58.8	56.3	74.3	94.7	101.2	46.5	54.7	71.0	74.3	80.8	95.5
87.5°	30.2	31.0	40.0	49.0	66.1	27.7	32.6	41.6	41.6	41.6	47.3
90°	7.3	9.0	12.2	17.1	13.9	7.3	12.2	9.8	11.4	9.8	11.4
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°	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°	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8
2.5°	809.5	807.1	803.8	804.6	803.0	800.5	801.4	800.5	801.4	799.7	798.1
5°	833.2	831.6	826.7	825.8	824.2	822.6	820.1	817.7	816.9	815.2	812.0
7.5°	860.1	855.2	852.8	849.5	845.4	838.9	838.1	834.8	832.4	830.7	826.7
10°	887.9	882.2	878.9	874.8	870.7	866.6	862.6	856.9	851.1	849.5	844.6
12.5°	929.5	922.1	915.6	909.1	905.0	897.7	891.9	884.6	878.9	876.4	868.3
15°	975.2	965.4	958.9	954.0	947.4	940.9	933.6	927.0	918.1	910.7	903.4
17.5°	1029.0	1020.1	1015.2	1006.2	998.0	990.7	985.0	976.8	969.5	956.4	949.9
20°	1100.0	1092.7	1087.0	1077.2	1068.2	1060.9	1056.0	1038.8	1029.0	1017.6	1007.0
22.5°	1166.1	1167.0	1161.2	1154.7	1149.0	1139.2	1131.0	1118.8	1106.6	1092.7	1078.0
25°	1238.0	1244.5	1245.3	1243.7	1240.4	1229.0	1224.9	1212.7	1202.9	1180.0	1173.5
27.5°	1317.9	1325.3	1334.2	1345.7	1348.1	1335.9	1341.6	1329.3	1312.2	1302.4	1281.2
30°	1395.4	1415.9	1434.6	1447.7	1455.8	1461.6	1457.5	1453.4	1442.0	1425.6	1406.9
32.5°	1495.0	1516.2	1535.0	1563.6	1578.2	1596.2	1592.9	1594.6	1590.5	1574.2	1552.1
35°	1595.4	1614.2	1638.6	1657.4	1693.3	1712.9	1729.2	1728.4	1728.4	1718.6	1697.4
37.5°	1684.3	1694.9	1715.3	1746.4	1770.0	1801.0	1827.1	1837.8	1854.9	1855.7	1832.9
40°	1777.4	1788.0	1803.5	1826.3	1852.4	1889.2	1924.3	1958.5	1974.8	1992.0	1983.0
42.5°	1877.7	1889.2	1900.6	1915.3	1952.8	1981.4	2028.7	2075.2	2108.7	2143.8	2139.7
45°	1977.3	1990.4	2006.7	2028.7	2062.2	2108.7	2154.4	2206.6	2283.3	2324.9	2353.5
47.5°	2089.9	2111.1	2141.3	2176.4	2203.3	2251.5	2309.4	2390.2	2467.7	2539.6	2584.4
50°	2259.6	2267.8	2316.8	2351.0	2402.5	2451.4	2509.4	2580.4	2680.7	2754.2	2826.0
52.5°	2459.6	2490.6	2539.6	2578.7	2619.5	2668.5	2728.1	2791.7	2891.3	2973.7	3066.7
55°	2717.5	2761.5	2804.0	2825.2	2882.3	2926.4	2974.5	3037.3	3144.3	3234.0	3343.4
57.5°	3025.1	3069.2	3089.6	3120.6	3145.1	3194.0	3259.3	3301.7	3396.4	3489.4	3605.3
60°	3656.7	3629.0	3653.5	3605.3	3598.0	3602.1	3615.9	3648.6	3701.6	3788.1	3910.5
62.5°	4796.8	4756.8	4650.7	4612.3	4538.1	4437.7	4343.0	4330.0	4302.2	4367.5	4444.2
65°	5462.7	5607.9	5623.4	5664.2	5634.8	5556.5	5445.5	5409.6	5319.8	5257.0	5252.9
67.5°	5302.7	5520.6	5656.9	5829.1	5924.5	6017.6	6042.1	6073.9	6015.9	5987.4	5995.5
69°	4858.0	5019.5	5324.7	5442.3	5593.2	5717.3	5880.5	5909.0	5965.3	5973.5	6082.0
70°	4417.3	4654.8	4829.4	5005.7	5214.6	5350.9	5424.3	5545.1	5684.6	5753.2	5870.7
72.5°	3176.1	3253.6	3377.6	3606.1	3664.1	3805.3	3949.7	4052.5	4216.5	4332.4	4609.1
75°	1713.7	1760.2	1955.3	2085.0	2119.3	2165.8	2271.9	2297.2	2358.4	2395.9	2662.0
77.5°	782.6	853.6	878.9	949.9	909.9	929.5	954.8	949.1	966.2	1047.8	1140.8
80°	360.7	374.6	384.4	413.7	415.4	408.8	411.3	407.2	403.9	417.0	426.8
82.5°	175.5	196.7	196.7	214.6	223.6	221.2	226.0	224.4	227.7	224.4	235.0
85°	102.8	102.8	111.0	120.8	119.1	122.4	122.4	128.9	129.8	131.4	131.4
87.5°	48.1	53.0	55.5	59.6	61.2	63.7	65.3	65.3	66.1	64.5	66.1
90°	12.2	12.2	20.4	20.4	22.0	24.5	21.2	22.8	28.6	21.2	26.9
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: P226259

CATALOG NUMBER: IST-AF-1200-LED-E1-T2-8030

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: P226259

CATALOG NUMBER: IST-AF-1200-LED-E1-T2-8030

CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8
2.5°	796.5	798.1	797.3	794.0	793.2	793.2	791.6	790.8	789.1	788.3	789.9
5°	811.2	811.2	808.7	805.4	802.2	801.4	800.5	796.5	794.8	793.2	791.6
7.5°	825.0	823.4	820.1	814.4	811.2	810.3	807.1	803.0	798.9	795.7	794.0
10°	839.7	838.1	831.6	827.5	820.9	820.1	814.4	809.5	805.4	801.4	798.1
12.5°	860.9	859.3	852.0	842.2	837.3	834.0	826.7	820.9	815.2	810.3	804.6
15°	893.6	887.0	882.2	872.4	865.0	858.5	849.5	841.4	833.2	825.0	820.1
17.5°	939.3	930.3	917.2	911.5	901.7	891.1	878.9	873.2	862.6	852.8	843.0
20°	998.8	989.9	969.5	962.1	948.3	932.7	923.0	910.7	901.7	886.2	875.6
22.5°	1064.9	1056.8	1037.2	1017.6	1004.6	992.3	976.8	961.3	944.2	929.5	918.1
25°	1150.6	1138.4	1121.3	1101.7	1082.1	1064.9	1043.7	1021.7	1007.0	986.6	970.3
27.5°	1267.3	1246.1	1217.6	1196.3	1180.8	1154.7	1128.6	1109.0	1086.2	1059.2	1041.3
30°	1393.8	1370.2	1348.9	1324.5	1298.3	1273.0	1237.1	1208.6	1184.1	1155.5	1126.2
32.5°	1534.2	1513.8	1483.6	1451.8	1423.2	1391.4	1365.3	1335.1	1292.6	1262.4	1231.4
35°	1675.4	1651.7	1620.7	1593.8	1561.1	1528.5	1499.1	1459.1	1420.7	1377.5	1334.2
37.5°	1811.6	1791.2	1757.0	1716.2	1687.6	1652.5	1622.3	1579.9	1534.2	1486.0	1453.4
40°	1963.4	1930.8	1907.1	1859.8	1830.4	1791.2	1748.0	1715.3	1671.3	1619.0	1572.5
42.5°	2137.2	2114.4	2089.1	2050.7	2019.7	1973.2	1918.5	1876.9	1836.1	1774.1	1709.6
45°	2357.6	2342.9	2301.3	2270.3	2228.6	2179.7	2132.3	2081.7	2017.3	1945.5	1886.7
47.5°	2622.0	2610.6	2573.0	2528.9	2474.3	2408.2	2364.1	2294.7	2240.1	2150.3	2080.1
50°	2861.9	2867.6	2847.2	2779.5	2730.5	2664.4	2595.0	2534.7	2450.6	2357.6	2267.8
52.5°	3148.3	3142.6	3091.2	3053.7	2995.7	2915.8	2839.9	2762.3	2670.1	2573.8	2462.0
55°	3422.5	3439.7	3403.8	3350.7	3280.5	3168.7	3092.0	2991.6	2894.5	2788.5	2659.5
57.5°	3688.6	3743.2	3715.5	3652.7	3580.8	3500.0	3398.9	3286.2	3185.9	3047.1	2901.9
60°	4019.9	4092.5	4103.9	4063.1	3984.8	3890.9	3757.9	3669.8	3531.9	3403.8	3292.0
62.5°	4529.9	4694.8	4685.0	4704.5	4649.1	4591.1	4435.2	4340.6	4161.1	4068.8	3913.0
65°	5381.9	5503.5	5649.5	5644.6	5606.3	5467.6	5306.0	5147.7	5029.3	4847.4	4685.0
67.5°	6096.7	6197.1	6283.6	6238.7	6150.6	5994.7	5805.4	5585.1	5404.7	5204.0	4991.0
69°	6163.6	6286.1	6336.6	6281.2	6122.8	5919.6	5734.4	5529.6	5281.5	5109.3	4849.8
70°	5984.1	6104.9	6206.9	6064.1	5918.8	5720.5	5518.1	5305.2	5083.2	4897.9	4636.0
72.5°	4753.5	4889.8	4875.9	4860.4	4744.5	4546.2	4360.2	4245.9	4090.1	3866.5	3677.1
75°	2764.0	2826.8	2716.6	2832.5	2693.8	2493.9	2520.0	2391.0	2276.8	2147.9	2048.3
77.5°	1085.3	1140.8	1082.9	1064.1	1002.1	988.2	884.6	896.8	845.4	744.2	697.7
80°	411.3	418.6	408.8	388.4	384.4	360.7	354.2	331.3	320.7	287.3	275.0
82.5°	221.2	225.2	218.7	212.2	207.3	193.4	184.4	167.3	157.5	146.9	146.1
85°	127.3	124.0	120.8	117.5	110.2	102.0	95.5	88.9	81.6	75.9	70.2
87.5°	66.9	67.7	68.5	65.3	60.4	53.9	49.8	47.3	41.6	39.2	36.7
90°	22.0	16.3	18.8	23.7	22.0	18.0	17.1	14.7	12.2	12.2	9.8
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: P226259
 CATALOG NUMBER: IST-AF-1200-LED-E1-T2-8030

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: P226259
 NUMBER: IST-AF-1200-LED-E1-T2-8030

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°	110°	87°
781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8	110°	0.0
787.5	787.5	785.0	783.4	777.7	767.9	758.1	749.1	736.9	732.0	725.5	112.5°	0.0
789.9	788.3	785.9	782.6	771.2	748.3	724.7	699.4	673.2	649.6	621.8	115°	0.0
791.6	788.3	785.0	781.0	764.6	729.6	682.2	632.4	585.9	550.8	536.1	117.5°	0.0
792.4	789.9	785.9	780.1	757.3	705.1	629.2	557.4	516.6	502.7	500.2	120°	0.0
801.4	797.3	790.8	784.2	754.0	678.1	569.6	501.1	484.7	491.3	502.7	122.5°	0.0
812.8	807.9	799.7	793.2	752.4	643.0	511.7	469.2	474.9	492.9	511.7	125°	0.0
833.2	825.0	816.1	809.5	755.7	599.8	465.1	452.9	470.0	492.9	518.2	127.5°	0.0
863.4	852.0	841.4	829.9	760.6	545.9	437.4	442.3	462.7	487.2	514.9	130°	0.0
900.9	887.9	873.2	856.0	766.3	499.4	421.9	430.9	449.6	470.9	493.7	132.5°	0.0
951.5	933.6	914.8	893.6	774.4	448.8	408.0	417.8	429.2	441.5	452.9	135°	0.0
1015.2	990.7	970.3	941.7	782.6	414.6	396.6	399.9	402.3	403.9	403.1	137.5°	0.0
1100.0	1062.5	1038.8	1003.7	791.6	396.6	383.5	379.5	375.4	369.7	363.1	140°	0.0
1189.8	1158.8	1121.3	1076.4	797.3	384.4	371.3	358.2	346.8	341.1	341.1	142.5°	0.0
1294.3	1255.9	1208.6	1152.3	789.9	371.3	355.0	337.8	331.3	338.7	336.2	145°	0.0
1398.7	1345.7	1293.4	1229.0	772.0	356.6	337.0	328.1	332.9	323.2	317.4	147.5°	0.0
1513.8	1455.0	1382.4	1307.3	745.9	341.1	328.1	332.9	315.8	304.4	309.3	150°	0.0
1642.7	1573.3	1495.0	1393.0	728.7	331.3	314.2	318.3	303.6	295.4	293.0	152.5°	0.0
1818.2	1719.4	1623.9	1504.0	741.8	315.8	287.3	303.6	295.4	288.1	281.5	155°	0.0
1990.4	1885.1	1772.5	1631.3	764.6	304.4	266.0	288.1	293.8	281.5	269.3	157.5°	0.0
2163.4	2051.6	1920.2	1762.7	792.4	297.0	249.7	269.3	289.7	275.0	265.2	160°	0.0
2345.3	2204.2	2069.5	1899.8	828.3	289.7	236.7	253.0	282.4	275.0	260.3	162.5°	0.0
2536.3	2369.8	2235.2	2051.6	891.1	279.1	220.3	239.9	275.0	274.2	255.4	165°	0.0
2758.3	2609.7	2436.7	2249.9	978.4	266.8	205.6	230.1	268.5	270.9	249.7	167.5°	0.0
3136.1	2982.7	2773.8	2595.9	1151.5	250.5	196.7	220.3	257.9	264.4	244.8	170°	0.0
3748.9	3540.0	3348.3	3181.8	1447.7	227.7	190.1	209.7	246.4	256.2	240.7	172.5°	0.0
4451.6	4247.6	4015.8	3735.9	1612.5	206.5	181.2	196.7	235.0	248.1	236.7	175°	0.0
4750.2	4483.4	4201.9	3869.7	1455.0	189.3	171.4	184.4	222.0	236.7	230.9	177.5°	0.0
4613.1	4343.0	4015.8	3690.2	1265.7	180.3	165.7	177.9	212.2	229.3	225.2	180°	0.0
4374.9	4103.1	3811.0	3420.1	1130.2	175.5	161.6	173.8	208.1	225.2	222.0		
3460.1	3217.7	2948.4	2650.5	770.4	159.1	148.5	161.6	191.8	210.5	209.7		
1833.7	1762.7	1563.6	1388.9	399.0	142.0	134.6	147.7	177.1	196.7	196.7		
660.2	599.0	572.9	475.8	212.2	124.0	120.8	130.6	160.8	179.5	178.7		
249.7	243.2	217.9	204.0	134.6	101.2	102.0	111.8	141.2	159.1	158.3		
141.2	128.1	124.0	120.0	85.7	80.0	84.1	93.8	120.8	136.3	138.7		
67.7	62.8	61.2	57.1	56.3	61.2	66.1	74.3	96.3	115.1	112.6		
32.6	31.0	30.2	29.4	40.0	39.2	48.1	51.4	64.5	91.4	82.4		
10.6	10.6	9.8	8.2	11.4	13.1	15.5	22.0	26.9	53.0	43.3		
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		

'226259
 IST-AF-1200-LED-E1-T2-8030

REPORT NUMBER: P226259
 CATALOG NUMBER: IST-AF-12

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°	781.8	781.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	719.8	708.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	601.4	599.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	527.2	516.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	502.7	501.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	513.3	515.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	527.2	532.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	536.1	545.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	533.7	544.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	506.8	511.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	458.6	460.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	400.7	399.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	359.9	349.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	341.1	334.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	328.1	317.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	340.3	339.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	351.7	350.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	332.1	317.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	296.2	279.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	271.7	262.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	260.3	257.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	257.1	265.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	255.4	264.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	244.0	259.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	235.8	254.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	230.9	252.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	226.9	253.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	220.3	258.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	69°	217.1	257.9
										70°	213.8	255.4
										72.5°	202.4	235.8
										75°	188.5	208.1
										77.5°	170.6	178.7
										80°	151.0	155.9
										82.5°	131.4	150.2
										85°	102.8	127.3
										87.5°	75.9	70.2
										90°	43.3	31.8
										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: P226259

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

00-LED-E1-T2-8030

tinued):

180°
781.8
710.8
594.9
517.4
504.3
514.1
533.7
548.4
546.8
515.7
461.9
405.6
357.4
341.9
322.3
343.6
353.4
320.7
279.1
260.3
255.4
267.7
263.6
260.3
255.4
251.3
250.5
252.2
248.9
244.8
220.3
198.3
178.7
157.5
133.0
99.6
75.9
26.9
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

