

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: P271677

Luminaire Tested: **IST-AF-1200-LED-E1-T2-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271677
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-T2-7027
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-TYPE II
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5985.2 lumens
Efficiency: N/A
Efficacy: 90.7 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

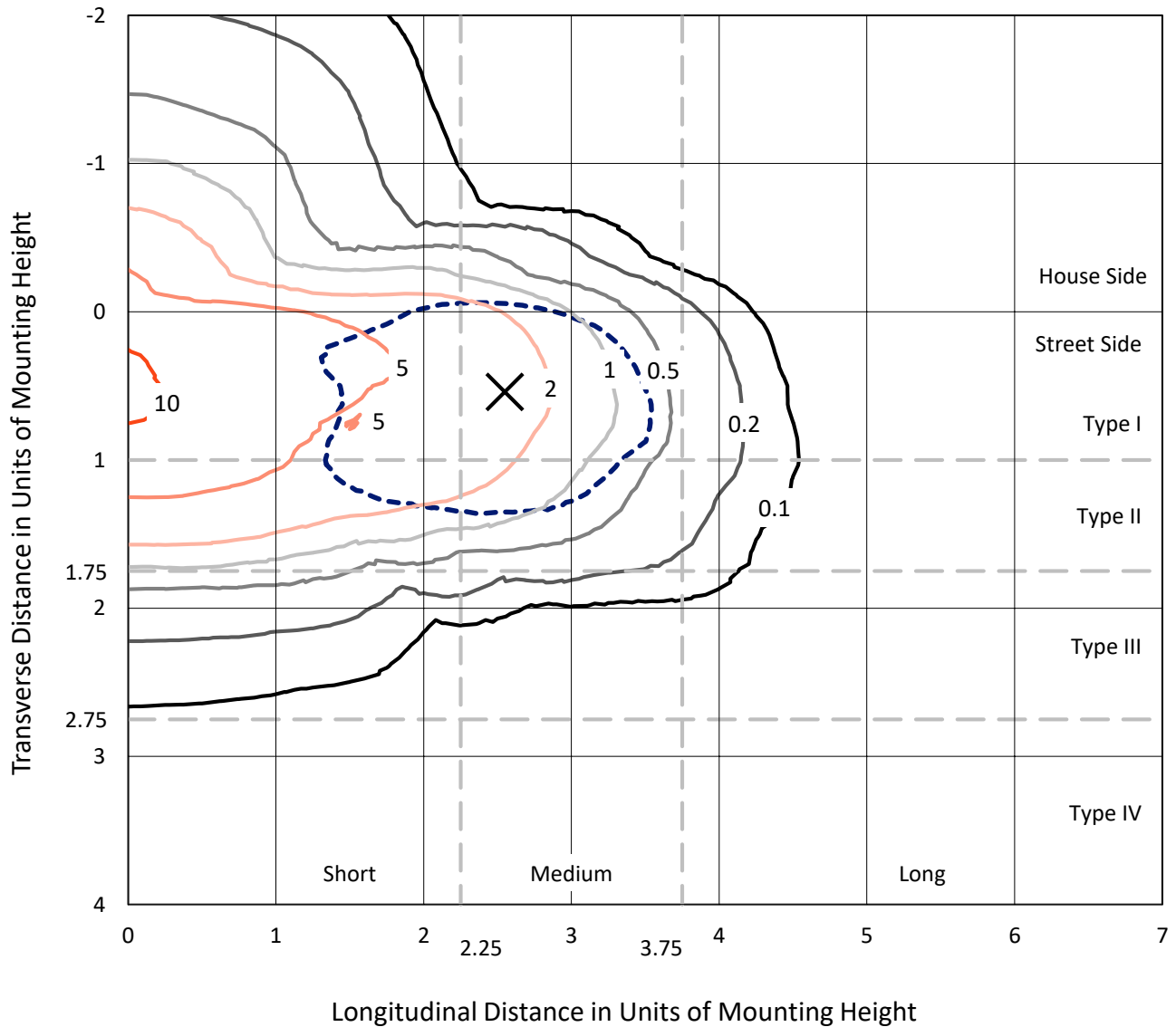
Input Watts (W): 66
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

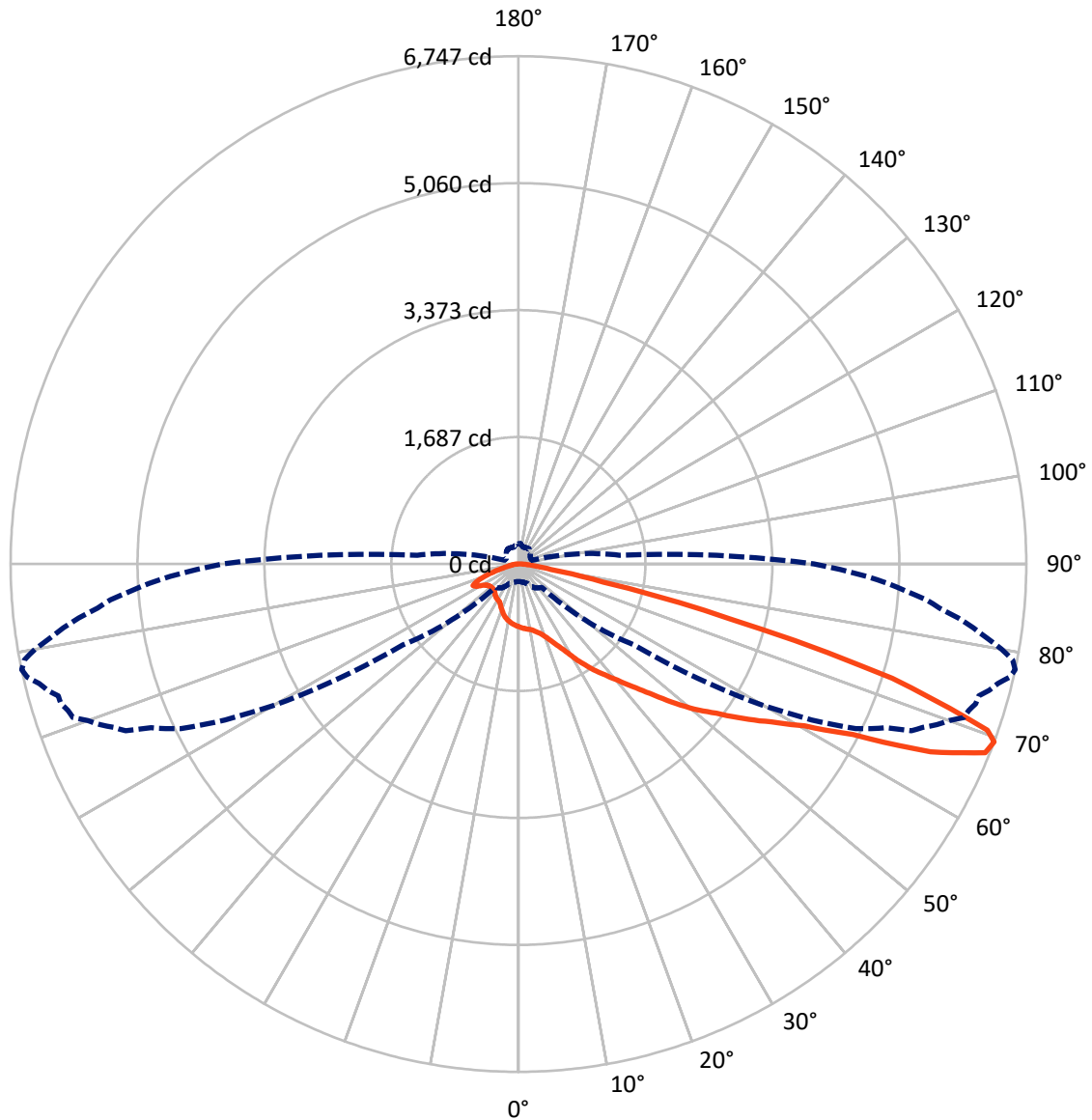
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.7 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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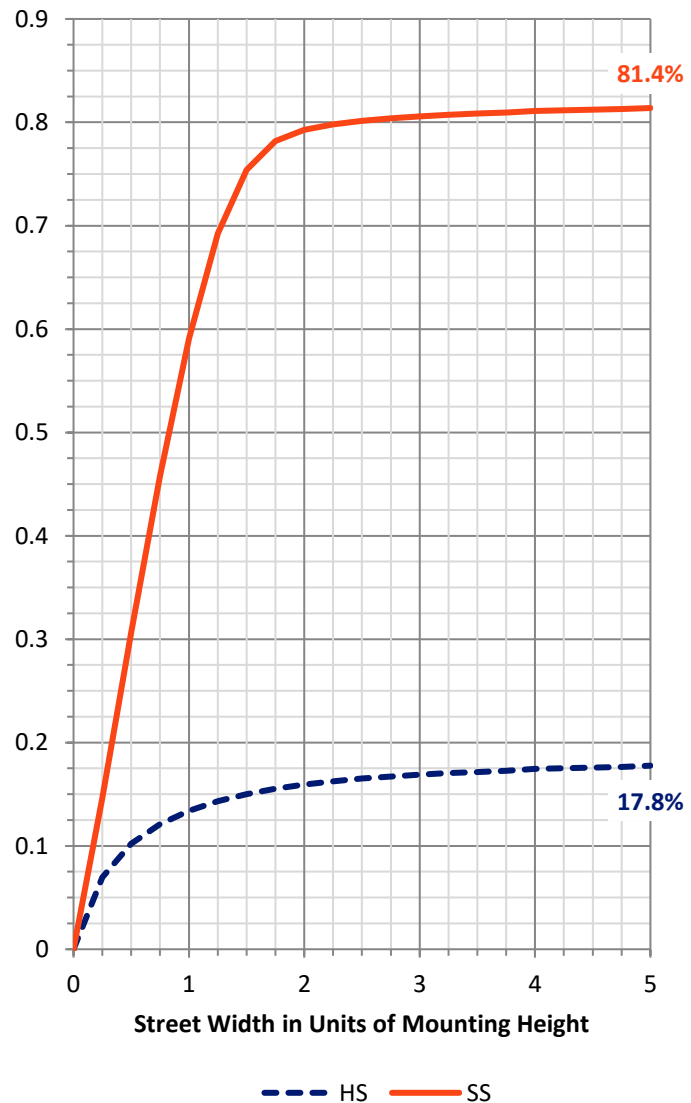
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1094.3	2.1	1096.4
	% Fixture	18.3	0.0	18.3
Street Side	Lumens	4887.8	1.0	4888.8
	% Fixture	81.7	0.0	81.7
Total	Lumens	5982.1	3.1	5985.2
	% Fixture	99.9	0.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.3	1.3
10°-20°	233.4	3.9
20°-30°	418.4	7.0
30°-40°	683.0	11.4
40°-50°	1010.2	16.9
50°-60°	1319.1	22.0
60°-70°	1475.2	24.6
70°-80°	662.3	11.1
80°-90°	103.3	1.7
90°-100°	3.1	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°	5982.1	99.9
0°-180°	5985.2	100.0



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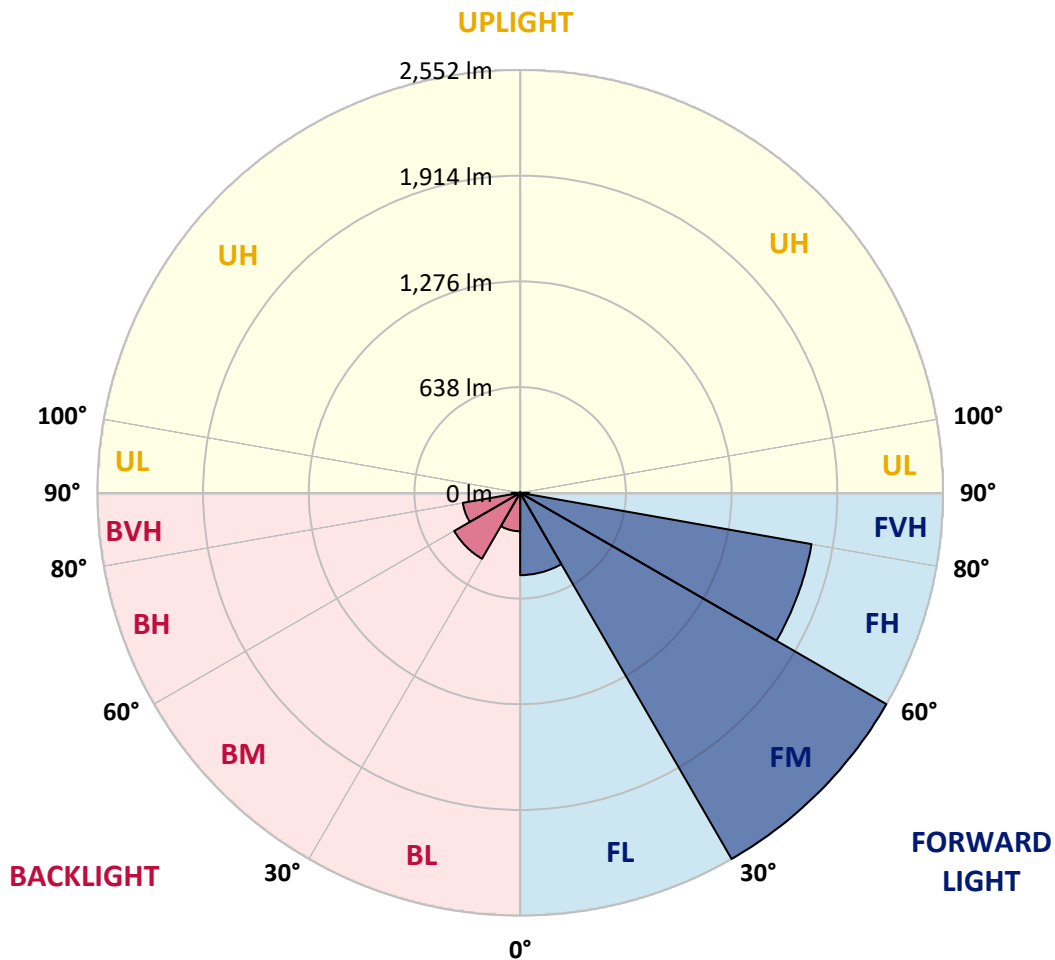
CATALOG NUMBER: IST-AF-1200-LED-E1-T2-7027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	496.8	8.3			
FM	(30°-60°)	2552.4	42.6			
FH	(60°-80°)	1785.8	29.8			G1/1800
FVH	(80°-90°)	52.7	0.9			G1/100
BL	(0°-30°)	232.3	3.9	B1/500		
BM	(30°-60°)	459.8	7.7	B1/1000		
BH	(60°-80°)	351.7	5.9	B1/500		G1/500
BVH	(80°-90°)	50.6	0.8			G1/100
UL	(90°-100°)	3.1	0.1		U1/10	
UH	(100°-180°)	2.1	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°	832.4	832.4	832.4	832.4	832.4	832.4	832.4	832.4	832.4	832.4	832.4
2.5°	891.5	891.5	888.9	887.1	884.5	877.6	867.1	865.3	864.5	862.8	861.0
5°	956.7	949.7	951.5	947.0	937.5	925.3	906.2	896.7	891.5	890.6	887.1
7.5°	1009.7	1010.5	1007.9	999.2	986.2	971.3	945.4	930.6	926.2	923.5	917.5
10°	1047.9	1045.3	1043.5	1041.8	1031.3	1019.1	986.2	967.9	964.4	957.5	950.6
12.5°	1075.6	1075.6	1075.6	1073.9	1067.8	1058.2	1032.2	1014.0	1009.7	1000.0	994.0
15°	1106.0	1102.6	1099.2	1096.5	1097.4	1097.4	1078.2	1064.3	1057.5	1052.2	1040.1
17.5°	1171.2	1163.5	1155.6	1145.2	1128.6	1124.3	1123.4	1122.6	1113.0	1112.1	1100.0
20°	1226.8	1219.9	1212.9	1202.5	1179.0	1153.9	1166.9	1179.0	1177.3	1178.1	1172.1
22.5°	1295.4	1290.2	1276.3	1264.2	1233.8	1203.4	1205.2	1231.1	1234.7	1238.1	1239.9
25°	1389.3	1386.7	1364.2	1340.7	1305.9	1277.2	1250.4	1282.4	1289.3	1297.2	1312.9
27.5°	1484.0	1477.9	1453.5	1432.8	1389.3	1358.9	1321.6	1338.9	1349.3	1364.2	1388.4
30°	1606.5	1590.0	1581.4	1534.5	1494.4	1450.1	1418.0	1423.3	1421.5	1438.8	1476.3
32.5°	1783.8	1757.7	1714.2	1667.3	1620.5	1561.3	1534.5	1533.6	1529.3	1549.1	1570.1
35°	1879.3	1873.2	1846.4	1799.5	1748.1	1692.6	1675.2	1658.7	1661.2	1671.7	1679.5
37.5°	1982.8	1977.5	1956.7	1930.5	1891.5	1921.9	1825.4	1801.1	1789.9	1784.7	1787.3
40°	2027.9	2032.2	2043.6	2048.0	2025.3	2171.3	1981.0	1901.0	1897.6	1889.8	1881.9
42.5°	2037.4	2048.8	2071.4	2120.9	2142.5	2460.5	2109.6	2013.1	1999.3	1993.2	1994.1
45°	2072.2	2089.5	2093.9	2139.1	2241.7	2475.4	2254.7	2112.3	2101.8	2101.0	2095.7
47.5°	2156.5	2180.0	2180.0	2199.9	2297.2	2504.0	2304.2	2211.3	2204.4	2200.8	2214.7
50°	2168.7	2199.9	2262.5	2326.8	2397.1	2527.5	2360.7	2319.1	2321.6	2329.5	2370.3
52.5°	1962.8	1994.1	2159.2	2348.5	2578.0	2591.8	2445.8	2462.3	2479.7	2517.9	2592.7
55°	1683.0	1705.6	1901.0	2204.4	2584.9	2835.9	2659.6	2705.7	2742.2	2753.5	2870.7
57.5°	1325.0	1356.4	1555.2	1948.9	2413.7	2905.5	3151.3	3172.3	3131.4	3168.7	3211.4
60°	717.7	714.2	991.4	1409.4	2054.0	2776.9	3625.8	3983.7	3992.4	4049.8	3981.1
62.5°	401.5	401.5	481.3	723.8	1321.6	2349.3	3853.4	4685.8	4794.3	4885.6	5086.3
65°	303.3	305.9	334.5	436.1	742.0	1483.1	3686.6	4925.6	5134.2	5343.5	5695.4
67.5°	252.0	252.0	272.8	325.0	464.0	673.4	2714.3	4444.3	4705.0	4955.1	5441.8
69°	233.6	234.5	250.3	285.8	388.3	437.9	1875.0	3768.3	4066.3	4412.9	4986.4
70°	225.0	222.4	237.2	266.8	351.9	345.8	1373.7	3276.5	3507.6	3818.7	4478.1
72.5°	199.9	197.3	205.0	227.6	277.1	246.8	560.5	1762.9	2111.4	2459.8	2985.3
75°	178.1	175.5	181.5	192.0	215.4	188.6	281.5	738.6	894.0	1155.6	1594.3
77.5°	157.2	152.0	157.2	164.2	169.4	140.8	191.2	341.4	418.8	514.4	726.4
80°	142.5	137.4	143.4	139.9	132.9	108.7	126.8	199.0	220.7	264.1	345.8
82.5°	101.7	100.8	136.5	140.8	106.0	79.1	90.4	127.6	142.5	150.3	182.4
85°	62.5	60.0	79.1	100.8	107.8	49.6	58.2	75.5	79.1	86.0	101.7
87.5°	32.2	33.0	42.6	52.1	70.3	29.6	34.8	44.3	44.3	44.3	50.3
90°	7.8	9.5	13.0	18.2	14.7	7.8	13.0	10.4	12.1	10.4	12.1
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



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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°	832.4	832.4	832.4	832.4	832.4	832.4	832.4	832.4	832.4	832.4	832.4
2.5°	861.9	859.3	855.8	856.7	855.0	852.3	853.2	852.3	853.2	851.5	849.8
5°	887.1	885.4	880.2	879.4	877.6	875.8	873.2	870.5	869.6	868.0	864.5
7.5°	915.8	910.5	908.0	904.5	900.1	893.2	892.4	888.9	886.3	884.5	880.2
10°	945.4	939.3	935.8	931.5	927.1	922.6	918.3	912.3	906.2	904.5	899.2
12.5°	989.7	981.8	974.9	967.9	963.5	955.8	949.7	941.9	935.8	933.2	924.4
15°	1038.4	1027.9	1020.9	1015.7	1008.8	1001.8	994.0	987.1	977.4	969.6	961.8
17.5°	1095.7	1086.1	1080.9	1071.3	1062.7	1054.8	1048.7	1040.1	1032.2	1018.3	1011.3
20°	1171.2	1163.5	1157.4	1146.9	1137.3	1129.5	1124.3	1106.0	1095.7	1083.4	1072.1
22.5°	1241.5	1242.4	1236.3	1229.4	1223.3	1212.9	1204.3	1191.2	1178.1	1163.5	1147.8
25°	1318.0	1325.0	1325.9	1324.1	1320.7	1308.5	1304.2	1291.1	1280.7	1256.4	1249.5
27.5°	1403.2	1411.1	1420.6	1432.8	1435.3	1422.4	1428.5	1415.4	1397.1	1386.7	1364.2
30°	1485.8	1507.4	1527.5	1541.3	1550.0	1556.1	1551.8	1547.4	1535.2	1517.9	1497.9
32.5°	1591.8	1614.3	1634.4	1664.8	1680.4	1699.5	1696.0	1697.8	1693.5	1676.1	1652.6
35°	1698.7	1718.5	1744.7	1764.7	1802.9	1823.8	1841.2	1840.3	1840.3	1829.8	1807.2
37.5°	1793.4	1804.7	1826.3	1859.3	1884.6	1917.6	1945.4	1956.7	1974.9	1975.8	1951.5
40°	1892.4	1903.7	1920.1	1944.5	1972.3	2011.5	2048.8	2085.2	2102.7	2120.9	2111.4
42.5°	1999.3	2011.5	2023.6	2039.2	2079.1	2109.6	2160.0	2209.5	2245.1	2282.5	2278.1
45°	2105.3	2119.1	2136.5	2160.0	2195.5	2245.1	2293.8	2349.3	2431.0	2475.4	2505.8
47.5°	2225.1	2247.8	2279.9	2317.3	2345.9	2397.1	2458.9	2544.9	2627.5	2703.9	2751.7
50°	2405.9	2414.6	2466.7	2503.1	2557.9	2610.0	2671.8	2747.4	2854.3	2932.3	3008.9
52.5°	2618.8	2651.8	2703.9	2745.6	2789.1	2841.2	2904.6	2972.4	3078.4	3166.2	3265.2
55°	2893.4	2940.2	2985.3	3008.1	3068.8	3115.7	3167.1	3233.9	3347.7	3443.3	3559.7
57.5°	3220.9	3267.9	3289.5	3322.5	3348.6	3400.7	3470.2	3515.3	3616.1	3715.3	3838.6
60°	3893.3	3863.8	3889.9	3838.6	3830.8	3835.1	3850.0	3884.7	3941.1	4033.3	4163.6
62.5°	5107.1	5064.6	4951.6	4910.9	4831.7	4724.8	4624.0	4610.2	4580.6	4650.2	4731.8
65°	5816.2	5970.9	5987.3	6030.8	5999.5	5916.1	5797.9	5759.8	5664.2	5597.2	5592.8
67.5°	5645.8	5877.9	6023.0	6206.3	6308.0	6407.0	6433.0	6467.0	6405.3	6374.8	6383.5
69°	5172.4	5344.4	5669.3	5794.4	5955.2	6087.3	6261.1	6291.4	6351.4	6360.1	6475.6
70°	4703.2	4955.9	5142.0	5329.6	5552.1	5697.1	5775.3	5903.9	6052.5	6125.5	6250.6
72.5°	3381.6	3464.1	3596.3	3839.5	3901.2	4051.5	4205.2	4314.8	4489.4	4612.8	4907.4
75°	1824.5	1874.1	2081.8	2219.9	2256.5	2305.9	2419.0	2445.8	2511.0	2551.0	2834.2
77.5°	833.3	908.8	935.8	1011.3	968.8	989.7	1016.6	1010.5	1028.6	1115.7	1214.7
80°	384.0	398.8	409.3	440.5	442.2	435.3	437.9	433.5	430.1	444.0	454.5
82.5°	186.8	209.3	209.3	228.5	238.1	235.4	240.7	238.9	242.5	238.9	250.3
85°	109.4	109.4	118.1	128.5	126.8	130.3	130.3	137.4	138.2	139.9	139.9
87.5°	51.2	56.4	59.1	63.4	65.1	67.8	69.5	69.5	70.3	68.6	70.3
90°	13.0	13.0	21.6	21.6	23.4	26.1	22.5	24.3	30.5	22.5	28.7
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: P271677

CATALOG NUMBER: IST-AF-1200-LED-E1-T2-7027

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: P271677

CATALOG NUMBER: IST-AF-1200-LED-E1-T2-7027

CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	832.4	832.4	832.4	832.4	832.4	832.4	832.4	832.4	832.4	832.4	832.4
2.5°	848.0	849.8	848.9	845.5	844.6	844.6	842.8	841.9	840.2	839.4	841.0
5°	863.6	863.6	861.0	857.5	854.1	853.2	852.3	848.0	846.2	844.6	842.8
7.5°	878.5	876.7	873.2	867.1	863.6	862.8	859.3	855.0	850.7	847.1	845.5
10°	894.0	892.4	885.4	881.1	874.1	873.2	867.1	861.9	857.5	853.2	849.8
12.5°	916.6	914.9	907.1	896.7	891.5	888.0	880.2	874.1	868.0	862.8	856.7
15°	951.5	944.5	939.3	928.8	921.0	914.0	904.5	895.8	887.1	878.5	873.2
17.5°	1000.0	990.5	976.5	970.5	960.1	948.8	935.8	929.7	918.3	908.0	897.6
20°	1063.5	1053.9	1032.2	1024.3	1009.7	993.1	982.7	969.6	960.1	943.6	932.4
22.5°	1133.9	1125.1	1104.4	1083.4	1069.6	1056.6	1040.1	1023.5	1005.2	989.7	977.4
25°	1225.1	1212.0	1193.8	1173.0	1152.2	1133.9	1111.2	1087.8	1072.1	1050.5	1033.1
27.5°	1349.3	1326.8	1296.3	1273.8	1257.3	1229.4	1201.7	1180.8	1156.5	1127.8	1108.7
30°	1484.0	1458.8	1436.2	1410.2	1382.3	1355.5	1317.2	1286.8	1260.7	1230.3	1199.1
32.5°	1633.5	1611.8	1579.6	1545.7	1515.4	1481.5	1453.5	1421.5	1376.2	1344.1	1311.2
35°	1783.8	1758.6	1725.6	1696.9	1662.1	1627.4	1596.1	1553.5	1512.7	1466.7	1420.6
37.5°	1928.9	1907.1	1870.7	1827.2	1796.8	1759.4	1727.4	1682.2	1633.5	1582.3	1547.4
40°	2090.4	2055.7	2030.5	1980.1	1948.9	1907.1	1861.1	1826.3	1779.5	1723.8	1674.4
42.5°	2275.6	2251.2	2224.3	2183.5	2150.5	2101.0	2042.7	1998.4	1954.9	1888.9	1820.2
45°	2510.1	2494.5	2450.1	2417.2	2372.9	2320.7	2270.4	2216.5	2147.8	2071.4	2008.8
47.5°	2791.7	2779.4	2739.5	2692.6	2634.4	2564.0	2517.1	2443.2	2385.0	2289.5	2214.7
50°	3047.1	3053.2	3031.5	2959.4	2907.3	2836.8	2763.0	2698.7	2609.1	2510.1	2414.6
52.5°	3352.0	3346.0	3291.3	3251.2	3189.6	3104.5	3023.7	2941.1	2843.0	2740.4	2621.3
55°	3644.1	3662.3	3624.0	3567.6	3492.8	3373.9	3292.1	3185.3	3081.8	2968.9	2831.6
57.5°	3927.3	3985.5	3956.0	3889.0	3812.6	3726.6	3618.8	3498.9	3392.0	3244.3	3089.7
60°	4280.1	4357.4	4369.5	4326.1	4242.7	4142.7	4001.1	3907.3	3760.5	3624.0	3505.0
62.5°	4823.1	4998.6	4988.2	5008.9	4949.9	4888.3	4722.3	4621.5	4430.4	4332.2	4166.2
65°	5730.2	5859.6	6015.1	6009.9	5969.1	5821.4	5649.4	5480.8	5354.8	5161.0	4988.2
67.5°	6491.3	6598.1	6690.3	6642.4	6548.6	6382.6	6181.1	5946.5	5754.5	5540.7	5313.9
69°	6562.5	6692.8	6746.7	6687.6	6519.1	6302.8	6105.5	5887.4	5623.3	5440.0	5163.6
70°	6371.4	6500.0	6608.7	6456.5	6301.9	6090.8	5875.3	5648.5	5412.2	5214.9	4936.0
72.5°	5061.1	5206.3	5191.5	5175.0	5051.6	4840.4	4642.4	4520.7	4354.7	4116.7	3915.2
75°	2942.8	3009.7	2892.5	3015.8	2868.1	2655.2	2683.1	2545.8	2424.2	2286.8	2180.8
77.5°	1155.6	1214.7	1153.0	1133.0	1067.0	1052.2	941.9	954.9	900.1	792.5	742.9
80°	437.9	445.6	435.3	413.6	409.3	384.0	377.1	352.8	341.4	305.9	292.8
82.5°	235.4	239.8	232.8	225.9	220.7	205.9	196.4	178.1	167.7	156.3	155.6
85°	135.6	132.1	128.5	125.1	117.3	108.7	101.7	94.7	86.9	80.8	74.6
87.5°	71.2	72.1	73.0	69.5	64.3	57.3	53.0	50.3	44.3	41.7	39.1
90°	23.4	17.3	20.0	25.2	23.4	19.1	18.2	15.6	13.0	13.0	10.4
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



REPORT NUMBER: P271677
 CATALOG NUMBER: IST-AF-1200-LED-E1-T2-7027

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: P271677
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REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°	110°	87°
832.4	832.4	832.4	832.4	832.4	832.4	832.4	832.4	832.4	832.4	832.4	110°	0.0
838.5	838.5	835.9	834.1	828.0	817.5	807.1	797.7	784.6	779.4	772.5	112.5°	0.0
841.0	839.4	836.7	833.3	821.1	796.8	771.6	744.7	716.8	691.7	662.1	115°	0.0
842.8	839.4	835.9	831.5	814.1	776.8	726.4	673.4	623.9	586.4	570.9	117.5°	0.0
843.7	841.0	836.7	830.7	806.3	750.7	669.9	593.4	550.0	535.2	532.7	120°	0.0
853.2	848.9	841.9	835.0	802.8	722.0	606.4	533.4	516.1	523.0	535.2	122.5°	0.0
865.3	860.1	851.5	844.6	801.1	684.7	544.8	499.5	505.7	524.8	544.8	125°	0.0
887.1	878.5	868.9	861.9	804.5	638.7	495.2	482.2	500.4	524.8	551.6	127.5°	0.0
919.2	907.1	895.8	883.7	809.8	581.2	465.7	470.9	492.6	518.7	548.2	130°	0.0
959.2	945.4	929.7	911.4	815.9	531.8	449.2	458.8	478.8	501.3	525.7	132.5°	0.0
1013.1	994.0	974.0	951.5	824.6	477.9	434.4	444.9	457.0	470.0	482.2	135°	0.0
1080.9	1054.8	1033.1	1002.7	833.3	441.3	422.2	425.8	428.3	430.1	429.2	137.5°	0.0
1171.2	1131.2	1106.0	1068.7	842.8	422.2	408.4	404.0	399.7	393.5	386.6	140°	0.0
1266.8	1233.8	1193.8	1146.1	848.9	409.3	395.3	381.4	369.2	363.2	363.2	142.5°	0.0
1378.0	1337.1	1286.8	1226.8	841.0	395.3	378.0	359.7	352.8	360.6	358.0	145°	0.0
1489.2	1432.8	1377.1	1308.5	821.9	379.7	358.9	349.4	354.5	344.1	338.0	147.5°	0.0
1611.8	1549.1	1471.9	1391.9	794.1	363.2	349.4	354.5	336.2	324.1	329.3	150°	0.0
1749.0	1675.2	1591.8	1483.1	775.9	352.8	334.5	338.9	323.2	314.6	311.9	152.5°	0.0
1935.8	1830.7	1729.1	1601.3	789.8	336.2	305.9	323.2	314.6	306.7	299.8	155°	0.0
2119.1	2007.0	1887.2	1736.9	814.1	324.1	283.2	306.7	312.8	299.8	286.6	157.5°	0.0
2303.3	2184.3	2044.5	1876.8	843.7	316.2	265.9	286.6	308.5	292.8	282.3	160°	0.0
2497.1	2346.8	2203.5	2022.7	881.9	308.5	252.0	269.3	300.7	292.8	277.1	162.5°	0.0
2700.5	2523.2	2379.8	2184.3	948.8	297.2	234.5	255.5	292.8	291.9	272.0	165°	0.0
2936.8	2778.6	2594.5	2395.5	1041.8	284.1	219.0	245.0	285.8	288.4	265.9	167.5°	0.0
3339.0	3175.7	2953.3	2763.8	1226.0	266.8	209.3	234.5	274.5	281.5	260.7	170°	0.0
3991.6	3769.1	3564.9	3387.7	1541.3	242.5	202.5	223.3	262.3	272.8	256.4	172.5°	0.0
4739.6	4522.4	4275.7	3977.7	1716.9	219.8	192.9	209.3	250.3	264.1	252.0	175°	0.0
5057.6	4773.5	4473.8	4120.2	1549.1	201.6	182.4	196.4	236.3	252.0	245.9	177.5°	0.0
4911.8	4624.0	4275.7	3929.0	1347.5	192.0	176.3	189.5	225.9	244.2	239.8	180°	0.0
4658.0	4368.6	4057.6	3641.4	1203.4	186.8	172.0	185.1	221.5	239.8	236.3		
3683.9	3426.0	3139.1	2822.0	820.2	169.4	158.1	172.0	204.2	224.1	223.3		
1952.4	1876.8	1664.8	1478.8	424.9	151.2	143.4	157.2	188.6	209.3	209.3		
702.9	637.8	609.9	506.6	225.9	132.1	128.5	139.0	171.1	191.2	190.4		
265.9	258.9	232.0	217.2	143.4	107.8	108.7	119.0	150.3	169.4	168.5		
150.3	136.5	132.1	127.6	91.3	85.2	89.5	99.9	128.5	145.1	147.7		
72.1	66.9	65.1	60.8	60.0	65.1	70.3	79.1	102.6	122.5	119.9		
34.8	33.0	32.2	31.4	42.6	41.7	51.2	54.8	68.6	97.3	87.8		
11.3	11.3	10.4	8.7	12.1	13.9	16.5	23.4	28.7	56.4	46.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

'271677
 IST-AF-1200-LED-E1-T2-7027

REPORT NUMBER: P271677
 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°	832.4	832.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	766.3	754.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	640.3	638.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	561.4	550.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	535.2	534.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	546.5	549.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	561.4	566.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	570.9	580.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	568.3	579.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	539.5	544.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	488.3	490.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	426.7	424.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	383.1	371.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	363.2	356.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	349.4	338.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	362.4	361.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	374.4	372.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	353.7	338.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	315.3	297.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	289.3	278.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	277.1	273.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	273.7	282.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	272.0	281.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	259.8	276.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	251.1	271.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	245.9	268.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	241.6	270.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	234.5	275.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	69°	231.1	274.5
										70°	227.6	272.0
										72.5°	215.4	251.1
										75°	200.7	221.5
										77.5°	181.5	190.4
										80°	160.8	166.0
										82.5°	139.9	159.9
										85°	109.4	135.6
										87.5°	80.8	74.6
										90°	46.0	33.9
										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: P271677

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

00-LED-E1-T2-7027

tinued):

180°
832.4
756.8
633.5
550.9
537.0
547.3
568.3
583.9
582.1
549.1
491.8
431.8
380.5
364.0
343.2
365.8
376.2
341.4
297.2
277.1
272.0
285.0
280.6
277.1
272.0
267.7
266.8
268.4
265.0
260.7
234.5
211.1
190.4
167.7
141.7
106.0
80.8
28.7
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

