

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: P227241

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P227241
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35948)
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-SLL-8030
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
LIGHT SQUARE WITH ACCUED OPTICS-90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (16) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4848.7 lumens
Efficiency: N/A
Efficacy: 73.5 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



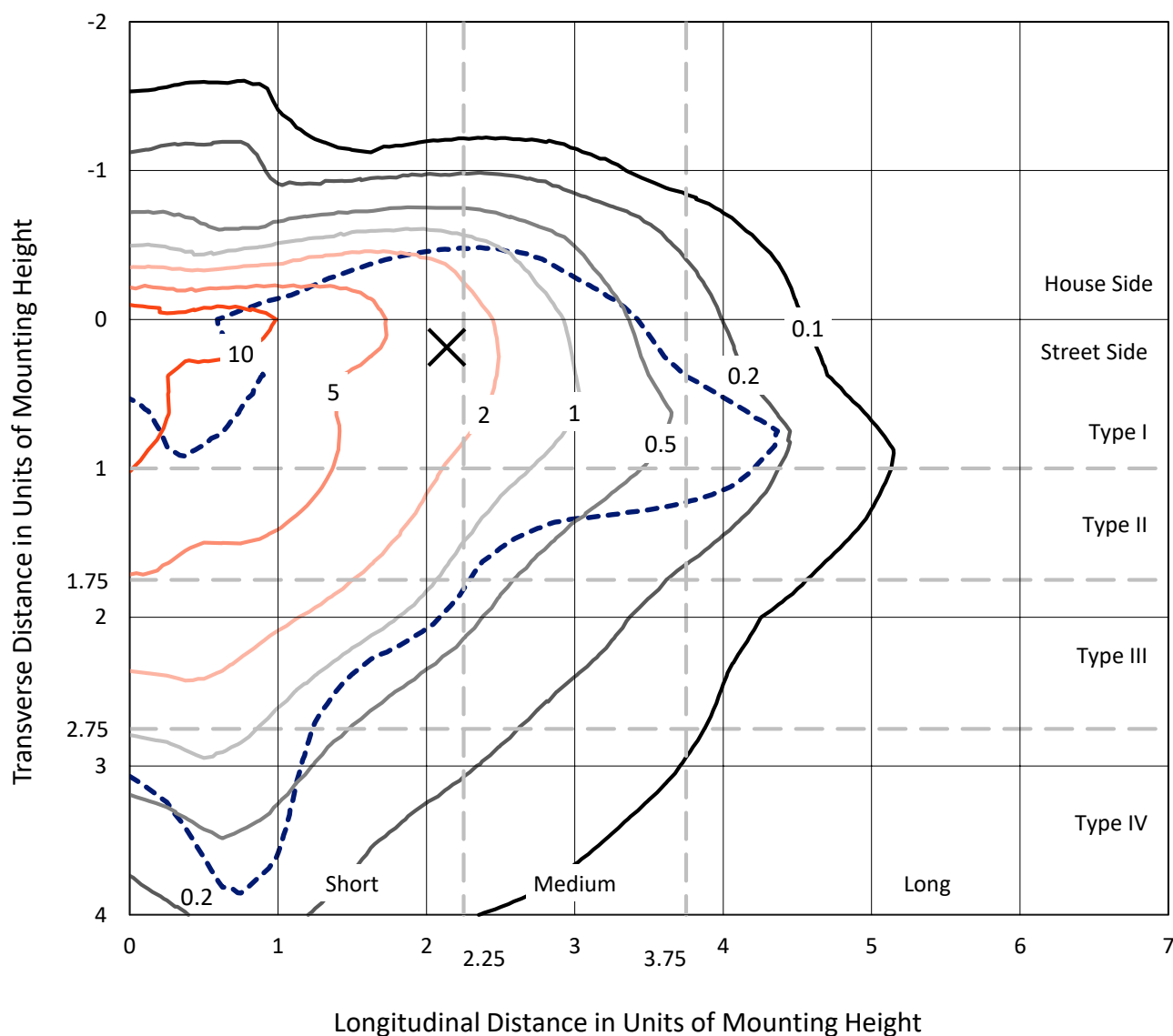
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

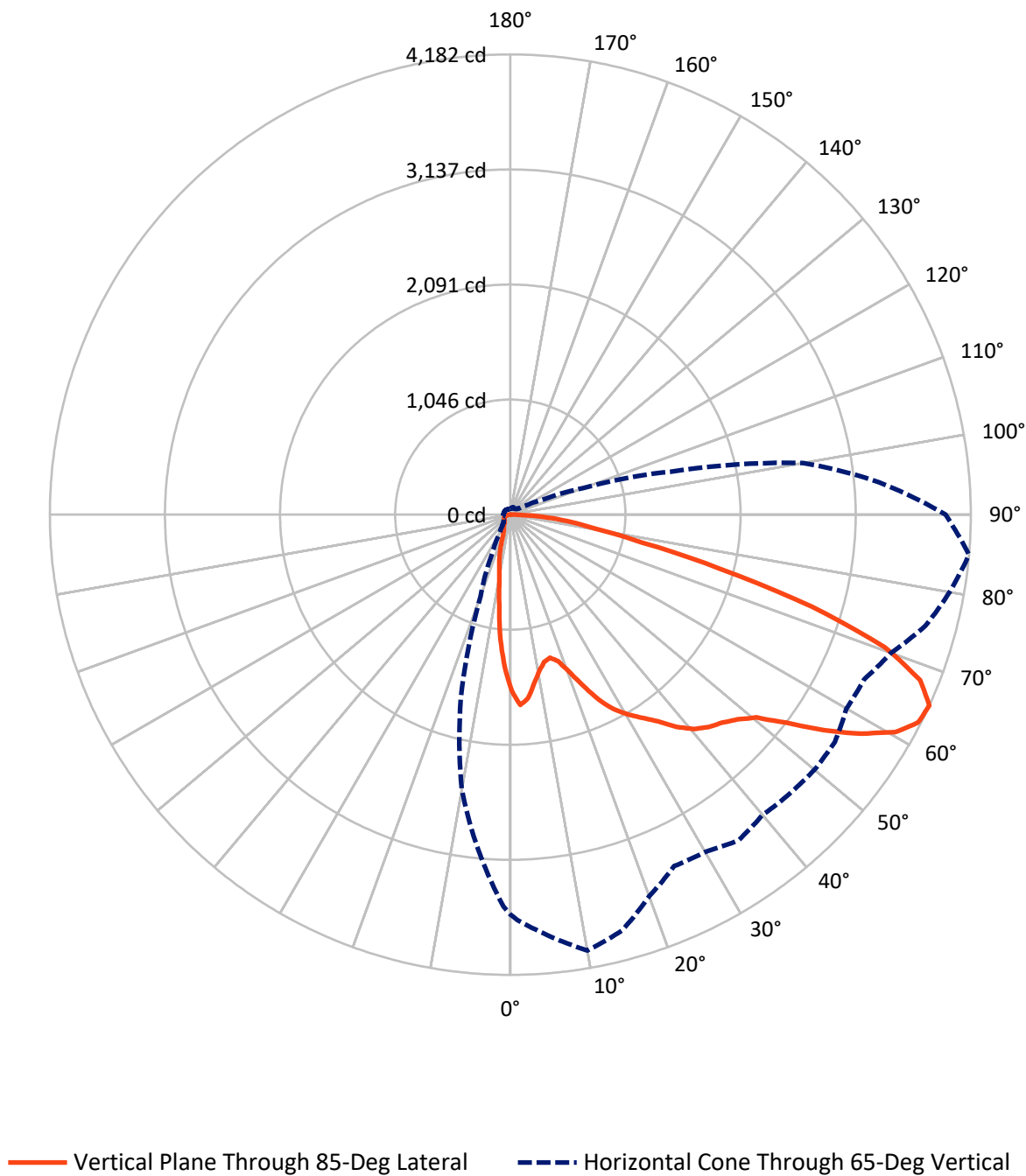


Based on 10 foot mounting height. Maximum calculated value = 17.5 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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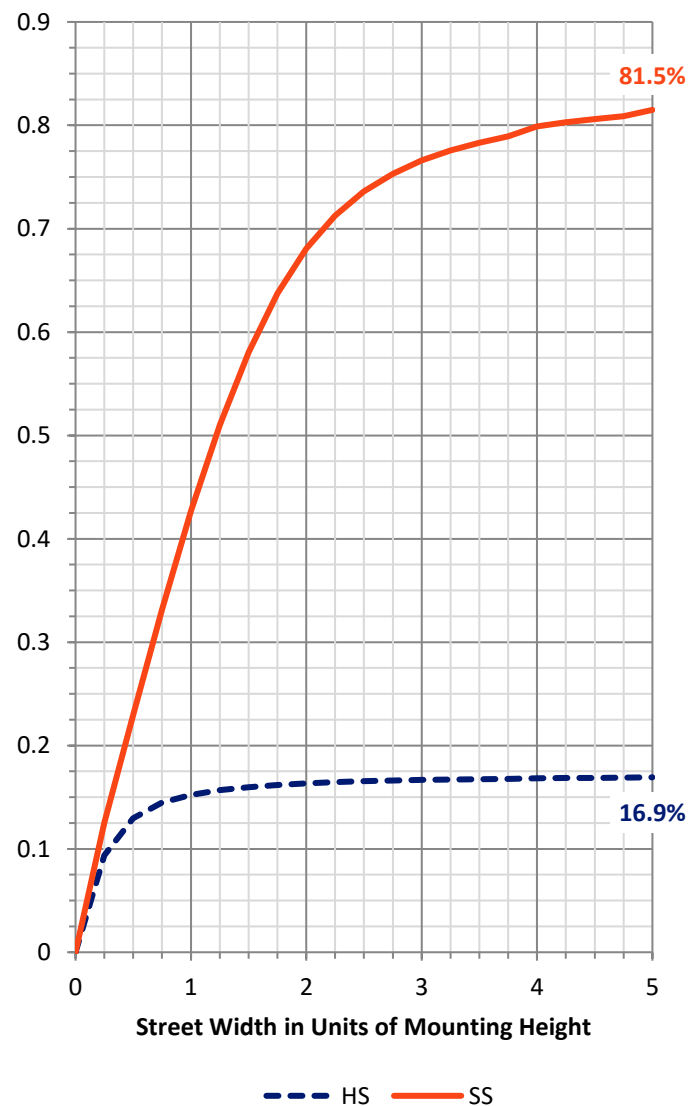
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	831.7	0.0	831.7
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	4016.8	0.2	4016.9
	% Fixture	82.8	0.0	82.8
Total	Lumens	4848.5	0.2	4848.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.7	2.4
10°-20°	228.3	4.7
20°-30°	325.6	6.7
30°-40°	472.3	9.7
40°-50°	675.7	13.9
50°-60°	1037.5	21.4
60°-70°	1200.9	24.8
70°-80°	612.6	12.6
80°-90°	176.8	3.6
90°-100°	0.2	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°	4848.5	100.0
0°-180°	4848.7	100.0

Coefficient of Utilization



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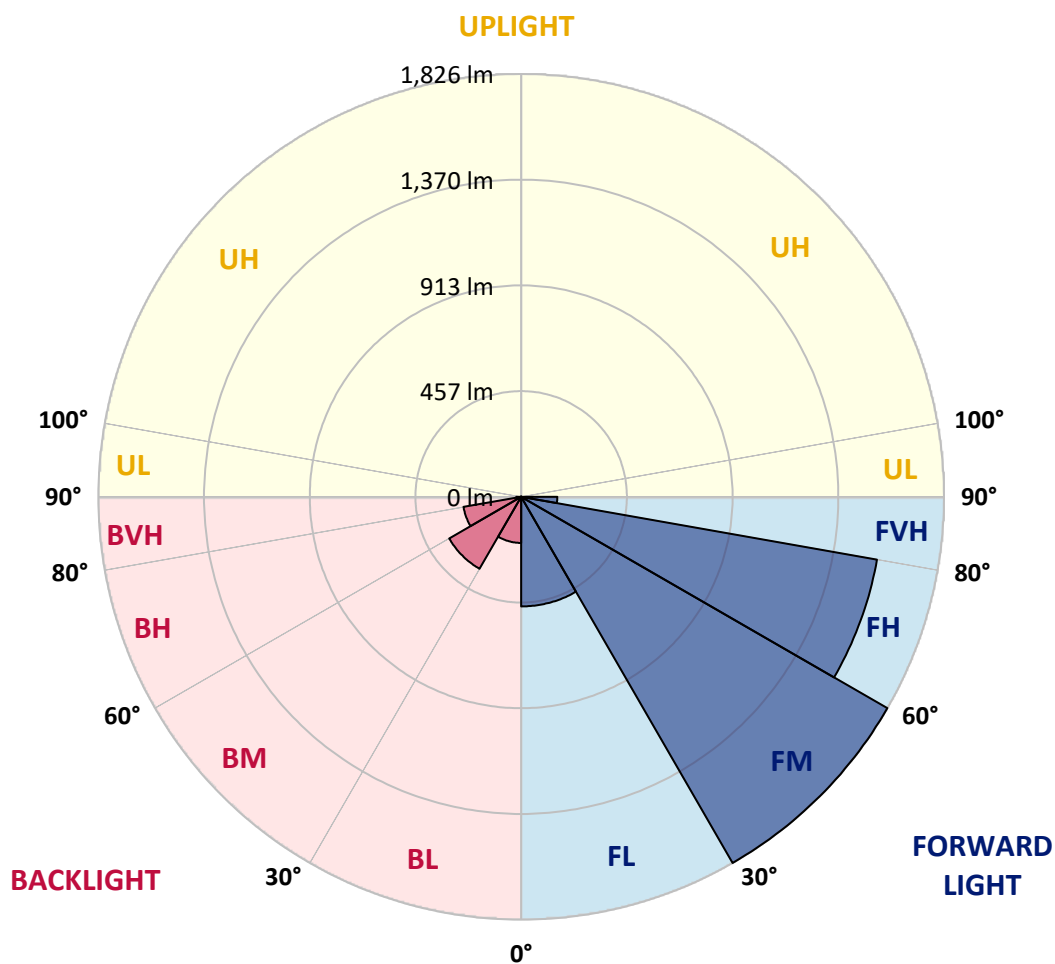
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	473.5	9.8			
FM	(30°-60°)	1826.4	37.7			
FH	(60°-80°)	1560.5	32.2			G1/1800
FVH	(80°-90°)	156.3	3.2			G2/225
BL	(0°-30°)	199.1	4.1	B1/500		
BM	(30°-60°)	359.1	7.4	B1/1000		
BH	(60°-80°)	253.0	5.2	B1/500		G1/500
BVH	(80°-90°)	20.6	0.4			G1/100
UL	(90°-100°)	0.2	0.0		U1/10	
UH	(100°-180°)	0.0	0.0		U1/10	

BUG Rating: B1-U1-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8
2.5°	1658.1	1659.7	1682.6	1704.6	1732.4	1728.3	1751.1	1768.3	1783.8	1786.2	1797.6
5°	1556.9	1573.2	1624.7	1668.7	1724.2	1767.5	1814.0	1850.7	1877.6	1902.9	1906.2
7.5°	1414.9	1427.2	1486.7	1556.1	1636.1	1693.2	1763.4	1824.6	1867.8	1908.6	1917.6
10°	1293.4	1304.8	1370.9	1460.6	1530.8	1605.1	1677.7	1727.5	1783.8	1818.9	1836.0
12.5°	1234.6	1248.5	1311.3	1392.9	1464.7	1536.5	1591.2	1634.4	1666.3	1672.8	1677.7
15°	1257.5	1264.8	1334.2	1406.8	1463.9	1499.8	1514.5	1540.6	1538.2	1551.2	1553.7
17.5°	1349.7	1346.4	1419.8	1470.4	1498.2	1494.1	1471.2	1457.4	1432.9	1425.5	1446.8
20°	1508.0	1519.4	1566.7	1597.7	1569.2	1503.1	1440.2	1397.0	1362.7	1351.3	1348.8
22.5°	1693.2	1707.9	1759.3	1743.0	1670.3	1549.6	1435.3	1366.0	1323.5	1311.3	1306.4
25°	1887.4	1897.2	1923.3	1867.8	1765.8	1609.1	1469.6	1372.5	1316.2	1298.3	1295.8
27.5°	2044.1	2053.9	2041.6	1978.0	1830.3	1676.1	1516.9	1401.9	1328.4	1310.5	1302.3
30°	2172.2	2177.1	2136.3	2057.1	1910.3	1750.3	1579.0	1453.3	1367.6	1326.8	1321.1
32.5°	2315.8	2312.5	2233.4	2124.0	1978.0	1817.2	1649.9	1511.2	1405.1	1355.4	1346.4
35°	2473.3	2444.7	2305.2	2190.1	2024.5	1868.6	1714.4	1572.4	1465.5	1399.4	1388.0
37.5°	2613.6	2584.3	2397.4	2242.4	2071.0	1908.6	1765.0	1651.6	1557.7	1497.4	1492.5
40°	2723.0	2687.1	2467.6	2277.5	2093.9	1938.0	1824.6	1751.1	1689.1	1640.2	1640.2
42.5°	2811.1	2771.9	2536.1	2318.3	2114.3	1982.9	1924.1	1898.8	1885.8	1858.8	1868.6
45°	2896.0	2856.0	2592.4	2344.4	2159.9	2070.2	2078.3	2100.4	2139.5	2124.0	2137.9
47.5°	2976.8	2937.6	2656.1	2386.0	2248.1	2226.9	2269.3	2357.4	2434.1	2494.5	2536.9
50°	3112.2	3065.7	2770.3	2508.4	2386.8	2397.4	2519.8	2692.8	2817.6	2873.1	2869.9
52.5°	3369.3	3303.2	3015.9	2736.9	2585.1	2643.8	2788.3	3006.1	3169.3	3212.6	3229.7
55°	3683.4	3631.2	3370.9	3039.6	2929.4	2949.8	3129.4	3375.8	3501.5	3546.3	3561.0
57.5°	3867.8	3854.0	3690.8	3363.5	3256.7	3248.5	3482.7	3684.2	3792.8	3835.2	3822.1
59°	3911.1	3915.2	3822.1	3592.8	3446.0	3428.0	3666.3	3853.1	3943.7	3956.8	3950.2
60°	3907.0	3929.8	3918.4	3718.5	3565.9	3543.1	3743.8	3921.7	3997.6	4018.0	3995.1
62.5°	3823.0	3862.1	3970.6	3949.4	3837.6	3721.0	3815.6	3944.5	3993.5	3973.9	3956.8
65°	3632.0	3683.4	3834.4	4022.1	3914.3	3689.1	3523.5	3538.2	3612.4	3563.5	3587.1
67.5°	3302.3	3361.1	3441.1	3867.0	3710.3	3332.5	3047.8	2908.2	2873.1	2920.5	2995.5
70°	2686.3	2724.6	2927.0	3529.2	3258.3	2739.3	2381.9	2195.9	2133.8	2243.2	2319.9
72.5°	1894.7	1951.9	2218.7	2920.5	2680.6	2194.2	1802.5	1631.2	1569.2	1574.1	1641.0
75°	1153.0	1230.5	1550.4	2309.3	2112.6	1681.0	1373.3	1250.1	1231.3	1220.7	1209.3
77.5°	760.5	789.9	1019.2	1593.6	1424.7	1195.4	1030.6	1081.2	1137.5	1149.7	1164.4
80°	515.7	524.7	661.0	1117.9	938.4	882.9	833.1	952.3	1059.2	1078.8	1068.1
82.5°	317.4	344.4	461.0	754.0	748.3	722.2	658.5	751.5	822.5	834.8	856.8
85°	110.2	115.1	283.2	665.9	760.5	768.7	542.6	428.4	481.4	472.5	339.5
87.5°	47.3	53.0	88.1	445.5	514.9	426.0	248.1	220.3	169.7	95.5	92.2
90°	3.3	3.3	2.4	4.1	12.2	8.2	7.3	2.4	0.0	0.0	0.0
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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CATALOG NUMBER: IST-AF-1200-LED-E1-SLL-8030

CANDELA DISTRIBUTION (continued):

	0°	1°	5°	10°	15°	20°	25°	30°	35°	40°	45°
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):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8
2.5°	1795.2	1784.6	1791.1	1782.1	1767.5	1757.7	1746.2	1731.5	1714.4	1691.6	1668.7
5°	1898.8	1890.7	1870.3	1840.9	1800.1	1765.8	1725.0	1676.9	1636.9	1585.5	1537.3
7.5°	1907.8	1894.7	1857.2	1802.5	1739.7	1676.1	1627.9	1549.6	1499.0	1417.4	1362.7
10°	1826.2	1827.0	1789.5	1738.1	1672.8	1597.7	1528.4	1442.7	1368.4	1285.2	1193.8
12.5°	1706.3	1717.7	1719.3	1673.6	1610.0	1530.8	1453.3	1371.7	1279.5	1190.5	1106.5
15°	1570.0	1602.6	1605.1	1593.6	1560.2	1493.3	1422.3	1348.8	1255.0	1157.9	1063.2
17.5°	1448.4	1479.4	1508.0	1534.1	1535.7	1503.9	1460.6	1397.8	1304.0	1189.7	1078.8
20°	1356.2	1389.6	1438.6	1486.7	1539.8	1556.1	1559.4	1519.4	1419.0	1279.5	1129.3
22.5°	1317.8	1357.0	1406.8	1497.4	1591.2	1649.1	1681.8	1681.8	1576.5	1413.3	1212.6
25°	1309.7	1341.5	1417.4	1530.0	1655.7	1756.8	1818.9	1860.5	1784.6	1585.5	1315.4
27.5°	1315.4	1358.6	1452.5	1567.5	1698.9	1828.7	1930.7	2003.3	1932.3	1703.0	1410.9
30°	1338.2	1402.7	1499.8	1618.9	1754.4	1891.5	2014.7	2106.9	2054.7	1809.9	1501.4
32.5°	1378.2	1456.6	1566.7	1674.4	1809.1	1957.6	2079.2	2200.7	2162.4	1884.1	1549.6
35°	1437.8	1530.0	1630.4	1738.9	1867.8	2016.3	2146.1	2305.2	2291.3	1977.2	1597.7
37.5°	1534.1	1628.7	1720.9	1814.0	1936.4	2080.8	2242.4	2445.5	2434.1	2115.1	1675.2
40°	1703.8	1759.3	1827.8	1887.4	2002.5	2140.4	2313.4	2561.4	2602.2	2233.4	1743.8
42.5°	1914.3	1947.0	1966.6	1982.9	2041.6	2171.4	2364.8	2638.9	2705.9	2321.5	1796.8
45°	2182.8	2173.0	2133.8	2096.3	2089.8	2189.3	2388.4	2696.1	2787.5	2407.2	1850.7
47.5°	2500.2	2479.0	2372.1	2248.9	2180.3	2222.0	2430.0	2780.1	2887.8	2519.8	1917.6
50°	2866.6	2816.8	2642.2	2434.1	2307.6	2314.2	2535.3	2896.8	3020.0	2666.7	2042.4
52.5°	3206.1	3117.1	2909.0	2634.0	2452.9	2474.9	2724.6	3138.3	3290.9	2909.9	2252.2
55°	3505.5	3391.3	3166.9	2865.8	2701.8	2740.1	3027.4	3458.2	3602.6	3199.5	2464.3
57.5°	3760.1	3638.5	3417.4	3152.2	2948.2	2980.0	3297.5	3755.2	3852.3	3459.8	2667.5
59°	3876.0	3756.0	3552.0	3307.2	3116.3	3183.2	3488.4	3902.9	3944.5	3560.2	2745.0
60°	3932.3	3812.3	3632.8	3393.7	3219.1	3307.2	3589.6	4014.7	3978.8	3574.9	2774.4
62.5°	3928.2	3844.2	3725.8	3562.7	3530.8	3677.7	3918.4	4158.3	4002.5	3532.5	2793.2
65°	3605.9	3598.6	3525.1	3543.9	3676.9	3903.7	4051.4	4182.0	3953.5	3363.5	2702.6
67.5°	3007.8	3038.0	3047.8	3162.8	3473.7	3858.9	3988.6	4013.9	3740.5	3002.1	2421.1
70°	2322.3	2255.4	2365.6	2568.8	3016.7	3512.9	3697.3	3609.2	3304.8	2514.1	1977.2
72.5°	1644.2	1663.8	1822.1	2085.7	2541.8	3055.9	3344.8	2864.2	2486.3	1881.7	1401.9
75°	1237.1	1329.3	1406.0	1636.9	2064.5	2617.7	2856.0	1969.0	1619.8	1297.4	917.2
77.5°	1185.6	1178.3	1119.6	1168.5	1488.4	1833.5	2037.5	1228.9	1014.3	848.6	554.1
80°	1095.9	1033.1	926.2	878.8	937.6	1177.5	1293.4	789.9	674.8	593.2	312.5
82.5°	850.3	807.8	695.2	692.0	781.7	836.4	889.4	559.8	507.6	480.6	191.8
85°	539.4	554.1	567.9	692.8	867.4	877.2	692.0	341.1	267.6	377.0	122.4
87.5°	159.9	260.3	315.8	536.1	781.7	784.2	520.6	111.8	100.4	117.5	71.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0
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: P227241

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

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
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: P227241

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

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8
2.5°	1645.1	1641.8	1618.9	1580.6	1583.9	1565.9	1543.1	1506.3	1499.0	1478.6	1475.3
5°	1496.5	1458.2	1408.4	1348.0	1325.2	1294.2	1262.3	1239.5	1210.9	1184.8	1219.9
7.5°	1298.3	1241.9	1184.0	1120.4	1083.6	1033.1	1006.1	953.9	915.6	908.2	878.0
10°	1132.6	1061.6	995.5	938.4	869.9	822.5	788.3	759.7	733.6	701.8	682.2
12.5°	1022.4	942.5	872.3	801.3	768.7	729.5	708.3	681.4	643.8	616.9	590.8
15°	972.7	886.2	809.5	747.5	700.1	663.4	625.9	593.2	552.4	522.2	492.0
17.5°	966.1	853.5	756.4	687.1	635.7	595.7	545.9	502.7	452.9	419.4	394.1
20°	973.5	829.1	707.5	616.9	564.7	494.5	448.0	394.9	346.0	301.9	261.9
22.5°	1002.9	816.0	659.3	559.8	482.3	402.3	352.5	284.8	243.2	200.7	185.2
25°	1042.8	807.8	617.7	496.9	399.0	319.9	252.1	195.8	177.1	166.5	160.8
27.5°	1085.3	793.2	571.2	439.0	332.1	235.8	188.5	164.8	157.5	151.8	147.7
30°	1117.1	764.6	514.1	377.0	264.4	201.6	168.1	152.6	147.7	141.2	137.1
32.5°	1131.0	720.5	462.7	318.2	222.8	173.0	146.9	137.9	133.0	127.3	124.8
35°	1128.5	670.8	436.6	295.4	204.0	153.4	128.9	123.2	116.7	111.0	105.3
37.5°	1131.0	625.1	416.2	289.7	195.8	138.7	117.5	113.4	108.5	102.8	97.9
40°	1140.8	599.8	406.4	277.4	189.3	133.0	108.5	104.4	103.6	97.1	93.0
42.5°	1144.8	602.2	401.5	260.3	173.0	131.4	108.5	99.6	99.6	94.7	89.8
45°	1140.0	620.2	404.7	250.5	160.8	123.2	114.2	99.6	97.1	93.0	88.1
47.5°	1154.6	633.2	404.7	248.9	152.6	115.1	108.5	109.3	98.7	93.8	86.5
50°	1215.0	645.5	396.6	246.4	150.1	106.9	102.8	107.7	111.0	95.5	87.3
52.5°	1321.9	661.0	387.6	242.4	146.9	100.4	95.5	101.2	113.4	100.4	87.3
55°	1431.3	688.7	381.9	235.8	142.0	96.3	86.5	97.1	103.6	99.6	86.5
57.5°	1547.9	718.9	376.2	220.3	130.6	92.2	83.2	84.9	93.0	96.3	84.0
59°	1583.0	733.6	371.3	208.9	120.8	88.9	80.8	78.3	83.2	92.2	82.4
60°	1608.3	734.4	365.6	199.1	115.1	87.3	79.2	75.9	77.5	94.7	83.2
62.5°	1610.8	733.6	347.6	178.7	103.6	84.0	76.7	72.6	71.0	79.2	84.9
65°	1509.6	699.3	315.0	168.1	104.4	80.8	72.6	69.4	66.1	67.7	73.4
67.5°	1320.3	611.2	280.7	170.5	110.2	78.3	69.4	66.1	63.6	62.0	64.5
70°	998.8	507.6	270.9	176.3	115.1	76.7	64.5	61.2	59.6	58.8	58.8
72.5°	692.0	417.8	260.3	180.3	119.1	75.9	59.6	56.3	55.5	54.7	54.7
75°	445.5	303.6	215.4	153.4	108.5	69.4	53.9	50.6	49.8	49.0	49.8
77.5°	263.6	212.2	158.3	107.7	79.2	55.5	46.5	44.1	44.1	44.1	44.9
80°	146.1	125.7	105.3	69.4	56.3	41.6	38.4	35.9	35.9	36.7	38.4
82.5°	87.3	69.4	59.6	44.1	38.4	29.4	28.6	26.9	27.7	28.6	30.2
85°	57.1	44.1	35.9	29.4	26.1	18.8	16.3	17.1	18.0	19.6	20.4
87.5°	31.8	24.5	19.6	17.1	15.5	8.2	6.5	6.5	8.2	9.8	11.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P227241
CATALOG NUMBER: IST-AF-1200-LED-E1-SLL-8030

REPORT N
CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	
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	59°
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°
												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: P227241

REPORT NUMBER: P

NUMBER: IST-AF-1200-LED-E1-SLL-8030

CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBU'

160°	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°		160°
1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	110°	0.0
1486.7	1463.1	1437.8	1419.0	1427.2	1400.3	1402.7	1395.4	1392.1	1390.5	1373.3	112.5°	0.0
1177.5	1186.5	1148.9	1153.0	1164.4	1136.7	1117.9	1148.9	1144.8	1117.1	1132.6	115°	0.0
848.6	851.1	834.0	795.6	795.6	816.0	823.3	838.0	847.8	882.1	860.9	117.5°	0.0
648.7	625.9	608.7	591.6	581.8	561.4	566.3	584.3	595.7	615.3	630.8	120°	0.0
563.9	538.6	508.4	482.3	468.4	449.6	437.4	433.3	437.4	425.1	426.0	122.5°	0.0
468.4	445.5	412.1	398.2	372.1	357.4	349.2	338.6	330.5	313.3	306.0	125°	0.0
363.1	332.9	298.7	298.7	279.9	267.6	264.4	261.9	257.0	248.1	239.1	127.5°	0.0
241.5	222.0	202.4	192.6	194.2	192.6	187.7	195.8	195.8	199.1	197.5	130°	0.0
176.3	173.0	165.6	159.9	156.7	155.9	156.7	159.1	164.0	168.1	172.2	132.5°	0.0
158.3	156.7	150.1	144.4	143.6	142.0	142.0	144.4	145.2	146.1	145.2	135°	0.0
146.9	143.6	137.9	133.8	132.2	131.4	132.2	129.7	128.1	128.9	128.1	137.5°	0.0
133.0	130.6	124.8	121.6	120.8	120.8	118.3	117.5	115.9	116.7	115.9	140°	0.0
122.4	119.1	113.4	109.3	109.3	108.5	109.3	108.5	107.7	106.9	106.9	142.5°	0.0
102.8	102.0	96.3	94.7	95.5	97.9	97.9	97.9	98.7	97.9	97.9	145°	0.0
95.5	94.7	88.9	84.9	84.0	84.0	84.0	85.7	88.1	88.9	90.6	147.5°	0.0
90.6	89.8	84.0	80.8	79.2	78.3	77.5	77.5	78.3	81.6	84.0	150°	0.0
87.3	85.7	80.0	75.9	75.1	74.3	73.4	73.4	73.4	74.3	76.7	152.5°	0.0
85.7	83.2	76.7	72.6	71.0	70.2	70.2	71.0	70.2	70.2	70.2	155°	0.0
83.2	81.6	75.1	70.2	68.5	68.5	67.7	67.7	67.7	66.1	66.1	157.5°	0.0
82.4	80.0	73.4	68.5	66.9	66.1	65.3	66.1	64.5	63.6	62.8	160°	0.0
80.8	77.5	70.2	66.1	65.3	63.6	62.8	62.8	62.8	61.2	61.2	162.5°	0.0
80.0	75.9	68.5	64.5	62.8	61.2	60.4	60.4	62.0	60.4	60.4	165°	0.0
79.2	73.4	66.1	61.2	60.4	58.8	57.9	58.8	61.2	59.6	58.8	167.5°	0.0
75.9	71.8	64.5	60.4	58.8	57.1	56.3	57.1	58.8	58.8	58.8	170°	0.0
74.3	70.2	62.8	58.8	57.9	56.3	55.5	55.5	57.9	57.9	57.1	172.5°	0.0
71.8	68.5	61.2	56.3	54.7	54.7	53.9	53.9	54.7	54.7	55.5	175°	0.0
68.5	66.9	59.6	53.9	53.0	52.2	52.2	52.2	52.2	53.9	53.9	177.5°	0.0
65.3	64.5	57.1	52.2	50.6	50.6	50.6	50.6	50.6	51.4	52.2	180°	0.0
60.4	60.4	53.9	49.0	48.1	47.3	47.3	47.3	47.3	48.1	49.0		
55.5	56.3	49.8	44.9	44.1	44.1	44.1	44.1	44.9	44.9	45.7		
50.6	51.4	44.9	40.0	40.0	40.0	40.0	40.0	40.0	40.0	41.6		
45.7	45.7	38.4	33.5	34.3	35.1	35.9	35.1	35.1	35.9	38.4		
39.2	38.4	31.8	27.7	27.7	29.4	30.2	29.4	30.2	30.2	33.5		
31.0	31.0	24.5	20.4	20.4	23.7	23.7	23.7	24.5	25.3	27.7		
23.7	22.8	17.1	13.9	13.9	16.3	17.1	18.0	18.8	19.6	21.2		
13.9	13.9	9.0	5.7	6.5	7.3	9.8	9.8	9.8	11.4	13.9		
0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

'227241
IST-AF-1200-LED-E1-SLL-8030

REPORT NUMBER: P227241
CATALOG NUMBER: IST-AF-1200-LED-E1-SLL-8030

TION (continued):

CANDELA DISTRIBUTION (con

165°	170°	175°	180°	185°	190°	195°	200°	205°	210°		215°	220°
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0°	1601.8	1601.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	1388.0	1387.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	1139.1	1131.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	882.9	909.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	636.5	655.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	443.1	452.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	305.2	324.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	237.5	239.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	195.8	197.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	173.8	177.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	146.1	149.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	128.9	132.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	118.3	120.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	107.7	107.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	98.7	99.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	92.2	93.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	86.5	87.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	78.3	80.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	71.0	71.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	66.1	66.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	62.8	63.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	61.2	62.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	60.4	62.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	60.4	61.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59°	59.6	60.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	59.6	61.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	57.1	58.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	55.5	57.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	53.0	55.5
										70°	50.6	53.0
										72.5°	47.3	50.6
										75°	44.1	46.5
										77.5°	40.0	42.4
										80°	35.1	35.9
										82.5°	29.4	29.4
										85°	22.0	19.6
										87.5°	12.2	13.1
										90°	0.0	0.0
										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



00-LED-E1-SLL-8030

REPORT NUMBER: P227241

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

tinued):

CANDELA DISTRIBUTION (continued):

225°	230°	235°	240°	245°	250°	255°	260°	265°		215°	220°	225°
1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	110°	0.0	0.0	0.0
1370.1	1370.1	1394.5	1397.0	1368.4	1375.8	1389.6	1373.3	1391.3	112.5°	0.0	0.0	0.0
1149.7	1140.0	1140.8	1134.2	1145.7	1132.6	1146.5	1141.6	1137.5	115°	0.0	0.0	0.0
892.7	909.8	897.6	873.9	892.7	878.0	850.3	852.7	821.7	117.5°	0.0	0.0	0.0
670.8	658.5	652.0	640.6	610.4	616.1	585.1	590.0	600.6	120°	0.0	0.0	0.0
462.7	453.7	464.3	457.0	444.7	447.2	453.7	460.2	477.4	122.5°	0.0	0.0	0.0
324.8	320.7	318.2	323.1	337.0	344.4	355.0	374.5	384.3	125°	0.0	0.0	0.0
244.0	244.8	242.4	249.7	261.1	266.8	269.3	270.9	282.3	127.5°	0.0	0.0	0.0
201.6	204.8	204.0	206.4	203.2	199.9	202.4	197.5	193.4	130°	0.0	0.0	0.0
176.3	177.1	173.0	172.2	167.3	163.2	159.9	159.9	158.3	132.5°	0.0	0.0	0.0
149.3	150.1	146.1	146.1	145.2	147.7	146.1	142.8	142.0	135°	0.0	0.0	0.0
133.8	132.2	129.7	129.7	128.1	128.1	128.9	129.7	128.9	137.5°	0.0	0.0	0.0
120.0	118.3	117.5	118.3	117.5	118.3	119.1	118.3	119.1	140°	0.0	0.0	0.0
110.2	108.5	108.5	109.3	108.5	109.3	109.3	109.3	108.5	142.5°	0.0	0.0	0.0
102.0	100.4	100.4	100.4	99.6	97.9	96.3	93.8	91.4	145°	0.0	0.0	0.0
95.5	94.7	93.0	92.2	89.8	84.9	83.2	83.2	83.2	147.5°	0.0	0.0	0.0
89.8	88.1	87.3	84.0	80.8	79.2	79.2	79.2	79.2	150°	0.0	0.0	0.0
82.4	80.0	78.3	77.5	76.7	76.7	75.9	75.9	75.9	152.5°	0.0	0.0	0.0
73.4	72.6	72.6	73.4	73.4	73.4	73.4	72.6	73.4	155°	0.0	0.0	0.0
67.7	67.7	68.5	69.4	70.2	71.0	71.8	71.0	71.8	157.5°	0.0	0.0	0.0
65.3	65.3	65.3	66.9	67.7	68.5	70.2	70.2	70.2	160°	0.0	0.0	0.0
63.6	63.6	64.5	65.3	66.1	66.9	67.7	68.5	69.4	162.5°	0.0	0.0	0.0
62.8	63.6	62.8	63.6	64.5	66.1	66.9	66.9	67.7	165°	0.0	0.0	0.0
62.8	62.8	62.8	62.8	64.5	65.3	64.5	65.3	66.1	167.5°	0.0	0.0	0.0
62.8	62.8	62.0	62.8	63.6	64.5	63.6	63.6	65.3	170°	0.0	0.0	0.0
62.0	62.8	62.0	62.0	62.8	63.6	62.8	63.6	64.5	172.5°	0.0	0.0	0.0
60.4	61.2	60.4	61.2	61.2	62.0	62.0	62.0	62.8	175°	0.0	0.0	0.0
58.8	58.8	58.8	59.6	59.6	60.4	60.4	61.2	60.4	177.5°	0.0	0.0	0.0
57.1	57.1	57.1	57.9	57.9	58.8	59.6	58.8	58.8	180°	0.0	0.0	0.0
55.5	54.7	53.9	54.7	55.5	55.5	56.3	55.5	56.3				
53.0	52.2	51.4	51.4	52.2	52.2	53.0	52.2	52.2				
49.0	49.0	47.3	47.3	47.3	47.3	48.1	47.3	46.5				
44.1	44.1	42.4	42.4	42.4	42.4	41.6	41.6	41.6				
36.7	37.5	37.5	36.7	36.7	35.9	35.9	35.1	34.3				
27.7	29.4	30.2	30.2	30.2	30.2	30.2	28.6	26.9				
19.6	22.0	24.5	24.5	23.7	23.7	23.7	21.2	18.8				
12.2	14.7	15.5	17.1	14.7	13.9	13.9	12.2	11.4				
0.0	0.0	1.6	0.8	2.4	2.4	3.3	1.6	0.8				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				

REPORT NUMBER: P227241

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

-SLL-8030

CANDELA DISTRIBUTION (continued):

230°	235°	240°	245°	250°	255°	260°	265°		270°	275°	280°	285°
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0°	1601.8	1601.8	1601.8	1601.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	1375.8	1406.0	1410.0	1414.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	1131.0	1161.2	1144.0	1151.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	825.8	806.2	831.5	847.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	603.0	625.9	635.7	653.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	500.2	514.9	532.8	561.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	405.6	416.2	439.0	466.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	295.4	310.9	325.6	348.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	198.3	204.8	222.8	233.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	159.1	161.6	164.8	173.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	142.8	144.4	146.9	150.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	129.7	130.6	133.0	134.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	118.3	117.5	118.3	120.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	106.1	106.1	107.7	107.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	91.4	90.6	92.2	94.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	84.0	84.9	86.5	88.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	80.0	80.8	82.4	84.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	75.9	77.5	79.2	81.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	73.4	75.1	77.5	80.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	72.6	74.3	76.7	80.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	71.0	73.4	75.9	79.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	71.0	72.6	75.1	79.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	68.5	71.0	73.4	77.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	66.9	68.5	71.8	76.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59°	66.1	67.7	71.0	75.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	64.5	66.9	70.2	75.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	62.8	65.3	68.5	73.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	60.4	63.6	66.9	70.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	58.8	60.4	63.6	66.9
								70°	55.5	57.1	59.6	62.0
								72.5°	51.4	52.2	53.9	56.3
								75°	45.7	46.5	47.3	49.8
								77.5°	40.0	40.0	40.8	44.1
								80°	33.5	33.5	34.3	35.9
								82.5°	25.3	25.3	26.9	29.4
								85°	18.0	17.1	19.6	21.2
								87.5°	10.6	9.8	10.6	10.6
								90°	0.8	2.4	1.6	1.6
								92.5°	0.0	0.0	0.0	0.0
								95°	0.0	0.0	0.0	0.0
								97.5°	0.0	0.0	0.0	0.0
								100°	0.0	0.0	0.0	0.0
								102.5°	0.0	0.0	0.0	0.0
								105°	0.0	0.0	0.0	0.0
								107.5°	0.0	0.0	0.0	0.0



REPORT NUMBER: P227241

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

CANDELA DISTRIBUTION (continued):

290°	295°	300°	305°	310°	315°	320°		270°	275°	280°	285°	290°
1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	110°	0.0	0.0	0.0	0.0	0.0
1430.4	1422.3	1428.8	1454.1	1463.1	1474.5	1512.9	112.5°	0.0	0.0	0.0	0.0	0.0
1169.3	1179.9	1169.3	1220.7	1223.2	1257.5	1271.3	115°	0.0	0.0	0.0	0.0	0.0
859.2	873.1	896.0	930.2	940.0	989.0	1030.6	117.5°	0.0	0.0	0.0	0.0	0.0
670.8	688.7	720.5	741.7	763.0	791.5	825.0	120°	0.0	0.0	0.0	0.0	0.0
595.7	614.4	642.2	669.1	699.3	721.3	749.1	122.5°	0.0	0.0	0.0	0.0	0.0
497.8	527.1	554.1	589.2	614.4	654.4	687.1	125°	0.0	0.0	0.0	0.0	0.0
380.3	421.1	448.0	490.4	528.8	563.9	607.9	127.5°	0.0	0.0	0.0	0.0	0.0
264.4	296.2	330.5	376.2	426.0	474.1	532.8	130°	0.0	0.0	0.0	0.0	0.0
182.0	199.1	225.2	272.5	324.0	393.3	457.0	132.5°	0.0	0.0	0.0	0.0	0.0
155.0	161.6	171.4	194.2	237.5	313.3	383.5	135°	0.0	0.0	0.0	0.0	0.0
137.9	142.8	149.3	160.8	183.6	235.8	313.3	137.5°	0.0	0.0	0.0	0.0	0.0
126.5	132.2	138.7	146.9	159.1	195.0	253.0	140°	0.0	0.0	0.0	0.0	0.0
111.0	115.1	120.8	129.7	138.7	167.3	223.6	142.5°	0.0	0.0	0.0	0.0	0.0
97.9	102.8	110.2	116.7	125.7	148.5	203.2	145°	0.0	0.0	0.0	0.0	0.0
91.4	96.3	102.8	108.5	115.1	133.8	188.5	147.5°	0.0	0.0	0.0	0.0	0.0
87.3	92.2	98.7	103.6	107.7	128.9	182.8	150°	0.0	0.0	0.0	0.0	0.0
84.9	90.6	96.3	99.6	107.7	131.4	168.9	152.5°	0.0	0.0	0.0	0.0	0.0
84.0	89.8	96.3	102.0	118.3	124.0	159.9	155°	0.0	0.0	0.0	0.0	0.0
84.9	89.8	97.9	114.2	115.1	117.5	150.1	157.5°	0.0	0.0	0.0	0.0	0.0
84.9	92.2	109.3	119.1	109.3	111.0	141.2	160°	0.0	0.0	0.0	0.0	0.0
85.7	95.5	113.4	111.0	106.1	103.6	131.4	162.5°	0.0	0.0	0.0	0.0	0.0
85.7	93.8	108.5	104.4	97.9	98.7	120.0	165°	0.0	0.0	0.0	0.0	0.0
83.2	93.8	104.4	94.7	89.8	93.8	110.2	167.5°	0.0	0.0	0.0	0.0	0.0
81.6	96.3	93.0	87.3	87.3	91.4	105.3	170°	0.0	0.0	0.0	0.0	0.0
80.8	98.7	88.1	84.9	84.9	90.6	102.8	172.5°	0.0	0.0	0.0	0.0	0.0
78.3	92.2	80.8	79.2	81.6	85.7	99.6	175°	0.0	0.0	0.0	0.0	0.0
73.4	76.7	74.3	74.3	77.5	82.4	97.9	177.5°	0.0	0.0	0.0	0.0	0.0
67.7	69.4	69.4	70.2	73.4	77.5	99.6	180°	0.0	0.0	0.0	0.0	0.0
62.8	62.8	64.5	65.3	67.7	73.4	95.5						
57.1	57.9	57.9	59.6	61.2	66.9	92.2						
50.6	50.6	52.2	52.2	54.7	60.4	82.4						
44.1	44.1	44.1	44.9	46.5	52.2	67.7						
36.7	36.7	36.7	37.5	38.4	43.2	51.4						
29.4	28.6	27.7	27.7	29.4	33.5	40.0						
20.4	20.4	19.6	19.6	19.6	22.0	26.9						
11.4	9.8	10.6	11.4	10.6	12.2	14.7						
0.8	1.6	2.4	3.3	3.3	3.3	4.9						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	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):

295°	300°	305°	310°	315°	320°		325°	330°	335°	340°	345°	350°
0.0	0.0	0.0	0.0	0.0	0.0	0°	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8
0.0	0.0	0.0	0.0	0.0	0.0	2.5°	1508.0	1529.2	1562.6	1569.2	1596.1	1614.9
0.0	0.0	0.0	0.0	0.0	0.0	5°	1277.9	1328.4	1346.4	1381.5	1442.7	1473.7
0.0	0.0	0.0	0.0	0.0	0.0	7.5°	1054.3	1092.6	1135.9	1192.2	1237.1	1290.1
0.0	0.0	0.0	0.0	0.0	0.0	10°	867.4	922.1	978.4	1024.1	1086.9	1150.6
0.0	0.0	0.0	0.0	0.0	0.0	12.5°	770.3	800.5	856.0	920.4	998.8	1069.8
0.0	0.0	0.0	0.0	0.0	0.0	15°	719.7	755.6	815.2	883.7	967.0	1055.1
0.0	0.0	0.0	0.0	0.0	0.0	17.5°	656.9	714.0	781.7	879.6	987.4	1109.8
0.0	0.0	0.0	0.0	0.0	0.0	20°	594.9	664.2	753.2	882.1	1031.4	1190.5
0.0	0.0	0.0	0.0	0.0	0.0	22.5°	540.2	622.6	735.2	896.8	1087.7	1299.9
0.0	0.0	0.0	0.0	0.0	0.0	25°	475.7	585.9	721.3	927.0	1174.2	1446.8
0.0	0.0	0.0	0.0	0.0	0.0	27.5°	424.3	550.8	700.9	953.1	1253.4	1587.9
0.0	0.0	0.0	0.0	0.0	0.0	30°	367.2	510.0	672.4	962.1	1349.7	1703.8
0.0	0.0	0.0	0.0	0.0	0.0	32.5°	321.5	471.6	639.7	953.9	1392.9	1784.6
0.0	0.0	0.0	0.0	0.0	0.0	35°	299.5	443.9	612.0	925.3	1428.8	1871.9
0.0	0.0	0.0	0.0	0.0	0.0	37.5°	284.8	413.7	585.1	878.0	1469.6	1958.4
0.0	0.0	0.0	0.0	0.0	0.0	40°	266.0	390.0	563.0	843.7	1501.4	2030.2
0.0	0.0	0.0	0.0	0.0	0.0	42.5°	248.9	368.8	545.9	813.6	1509.6	2094.7
0.0	0.0	0.0	0.0	0.0	0.0	45°	234.2	355.8	532.8	815.2	1515.3	2184.4
0.0	0.0	0.0	0.0	0.0	0.0	47.5°	222.8	343.5	528.0	842.9	1575.7	2309.3
0.0	0.0	0.0	0.0	0.0	0.0	50°	212.2	332.9	519.8	896.8	1672.8	2478.2
0.0	0.0	0.0	0.0	0.0	0.0	52.5°	199.9	318.2	509.2	952.3	1778.9	2704.2
0.0	0.0	0.0	0.0	0.0	0.0	55°	183.6	298.7	497.8	998.8	1923.3	2979.2
0.0	0.0	0.0	0.0	0.0	0.0	57.5°	158.3	275.8	490.4	1022.4	2012.3	3137.5
0.0	0.0	0.0	0.0	0.0	0.0	59°	145.2	253.8	486.3	1011.0	2035.9	3164.4
0.0	0.0	0.0	0.0	0.0	0.0	60°	137.9	240.7	479.8	997.2	2042.4	3147.3
0.0	0.0	0.0	0.0	0.0	0.0	62.5°	128.1	209.7	452.9	927.8	1951.1	2940.0
0.0	0.0	0.0	0.0	0.0	0.0	65°	130.6	198.3	391.7	789.9	1741.3	2535.3
0.0	0.0	0.0	0.0	0.0	0.0	67.5°	133.8	193.4	338.6	638.1	1388.0	2097.9
						70°	131.4	190.9	307.6	507.6	1039.6	1570.8
						72.5°	128.1	180.3	266.8	408.0	659.3	1100.0
						75°	113.4	151.8	209.7	279.9	416.2	801.3
						77.5°	88.9	116.7	148.5	173.8	211.3	565.5
						80°	65.3	84.9	97.1	104.4	117.5	386.0
						82.5°	46.5	57.1	62.0	66.1	78.3	288.9
						85°	35.1	40.0	43.2	43.2	53.0	204.0
						87.5°	19.6	20.4	20.4	22.0	26.1	55.5
						90°	5.7	5.7	4.9	5.7	4.1	3.3
						92.5°	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
						97.5°	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
						102.5°	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
						107.5°	0.0	0.0	0.0	0.0	0.0	0.0

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

CANDELA DISTRIBUTION (continued):

355°	359°	360°		325°	330°	335°	340°	345°	350°	355°
1601.8	1601.8	1601.8	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1636.1	1648.3	1658.1	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1521.0	1551.2	1556.9	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1348.8	1397.8	1414.9	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1222.4	1275.4	1293.4	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1153.0	1215.0	1234.6	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1154.6	1228.9	1257.5	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1229.7	1314.6	1349.7	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1358.6	1481.9	1508.0	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1533.3	1654.0	1693.2	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1697.3	1857.2	1887.4	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1858.8	2017.1	2044.1	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1983.7	2149.3	2172.2	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2103.6	2290.5	2315.8	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2237.5	2443.9	2473.3	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2358.2	2594.9	2613.6	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2492.1	2718.1	2723.0	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2601.4	2809.5	2811.1	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2707.5	2895.2	2896.0	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2818.5	2989.0	2976.8	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2993.9	3100.0	3112.2	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3260.7	3355.4	3369.3	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3570.8	3702.2	3683.4	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3702.2	3852.3	3867.8	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3680.2	3885.0	3911.1	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3645.1	3875.2	3907.0	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3446.0	3773.2	3823.0	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3111.4	3561.8	3632.0	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2681.4	3246.0	3302.3	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2092.2	2638.1	2686.3								
1390.5	1811.5	1894.7								
883.7	1168.5	1153.0								
652.0	759.7	760.5								
473.3	521.4	515.7								
366.4	318.2	317.4								
128.1	112.6	110.2								
55.5	46.5	47.3								
2.4	2.4	3.3								
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								

[illegible]

(END OF REPORT)