

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: P227200

Luminaire Tested: **ISW-AF-1000-LED-E1-SLL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P227200
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: ISW-AF-1000-LED-E1-SLL
Description: IMPACT ELITE LED WEDGE LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5341.4 lumens
Efficiency: N/A
Efficacy: 97.8 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): 54.6
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

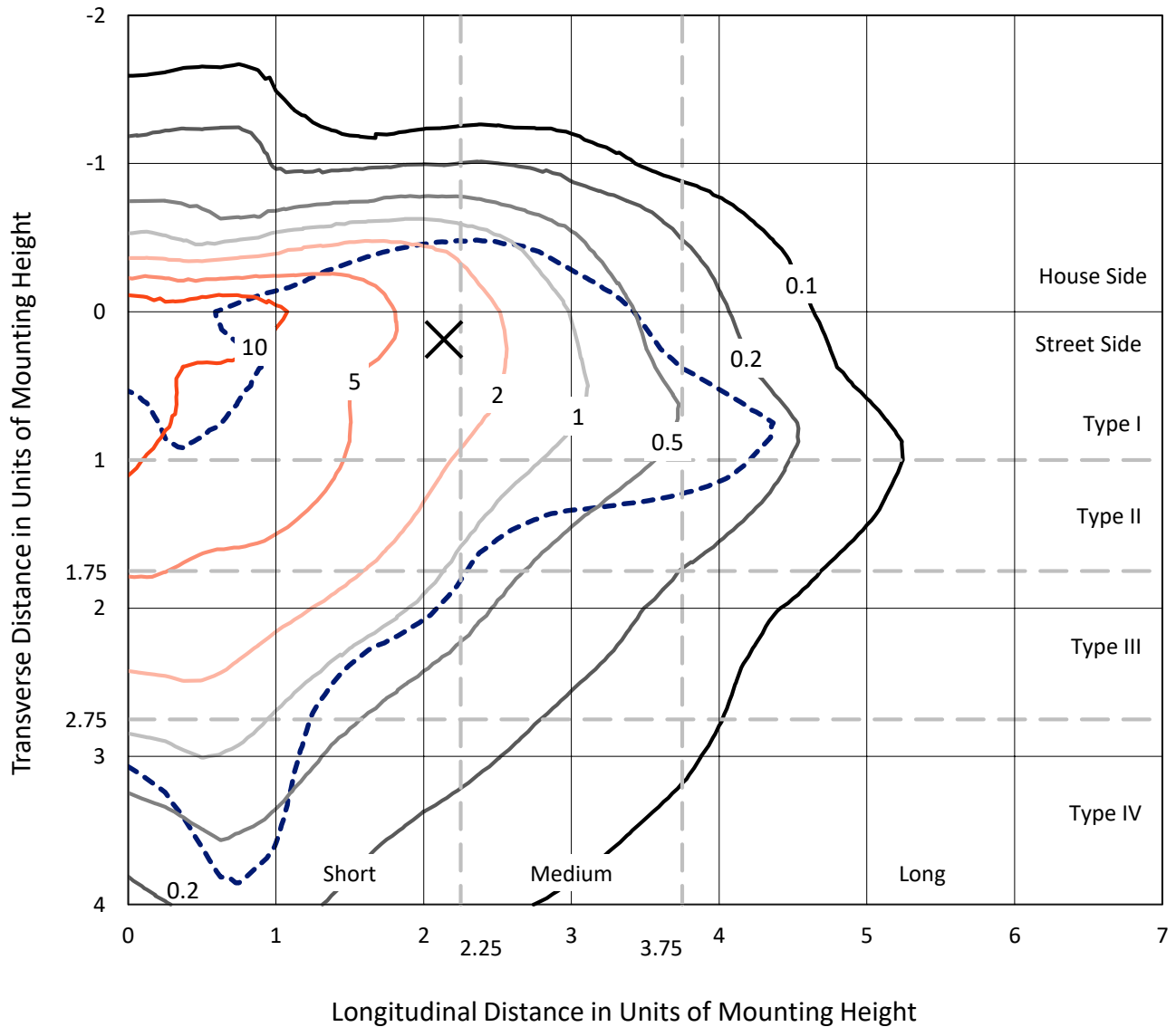


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

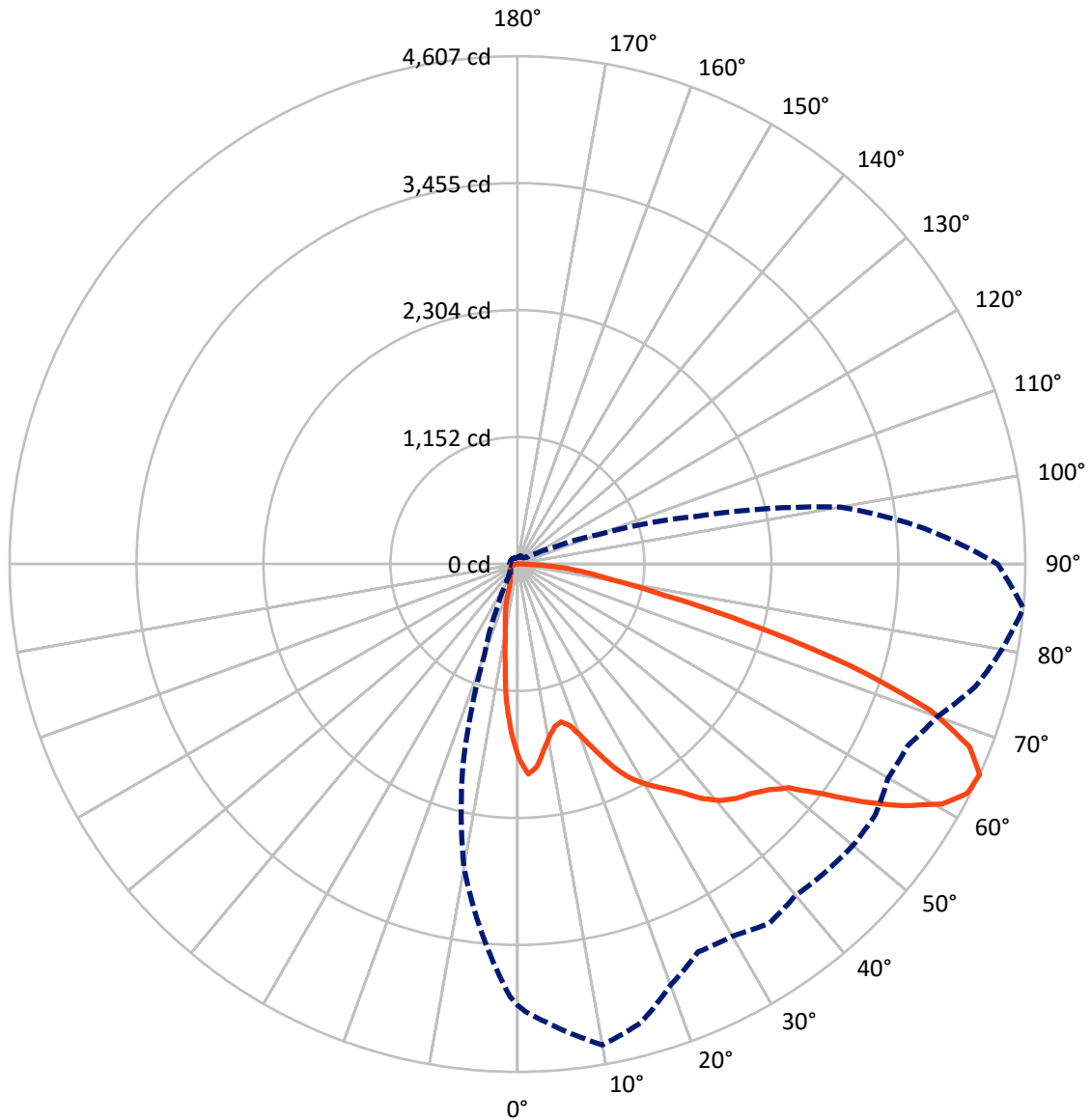


Based on 10 foot mounting height. Maximum calculated value = 19.3 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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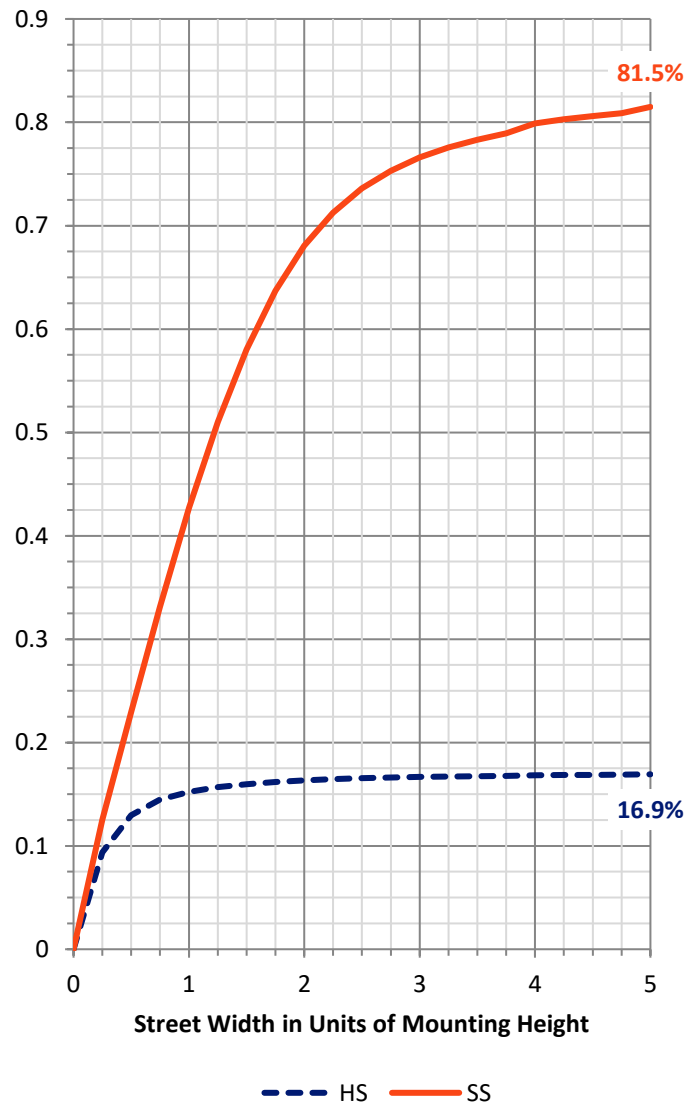
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	916.2	0.0	916.3
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	4424.9	0.2	4425.1
	% Fixture	82.8	0.0	82.8
Total	Lumens	5341.2	0.2	5341.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.7	2.4
10°-20°	251.5	4.7
20°-30°	358.7	6.7
30°-40°	520.3	9.7
40°-50°	744.4	13.9
50°-60°	1142.9	21.4
60°-70°	1322.9	24.8
70°-80°	674.9	12.6
80°-90°	194.8	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°	5341.2	100.0
0°-180°	5341.4	100.0



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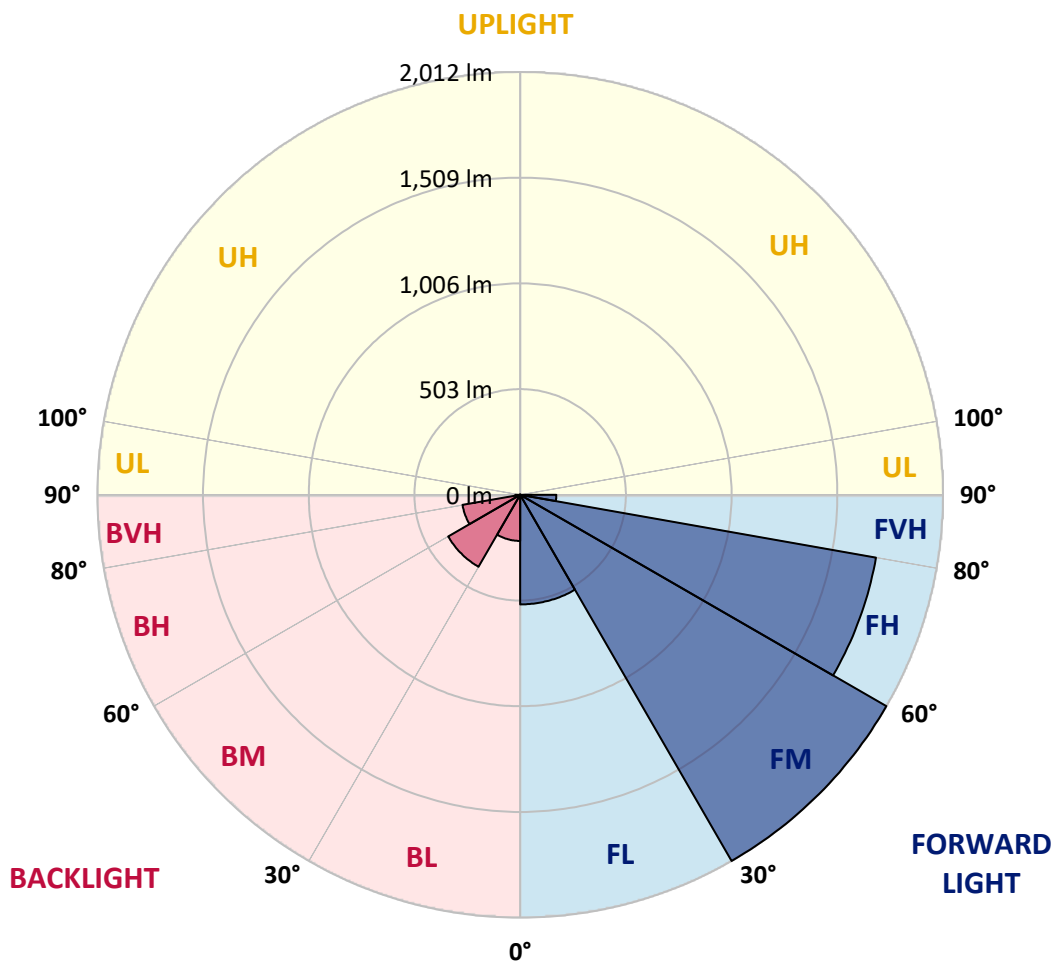
CATALOG NUMBER: ISW-AF-1000-LED-E1-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	521.7	9.8			
FM	(30°-60°)	2012.0	37.7			
FH	(60°-80°)	1719.1	32.2			G1/1800
FVH	(80°-90°)	172.1	3.2			G2/225
BL	(0°-30°)	219.3	4.1	B1/500		
BM	(30°-60°)	395.6	7.4	B1/1000		
BH	(60°-80°)	278.7	5.2	B1/500		G1/500
BVH	(80°-90°)	22.6	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°	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6
2.5°	1826.6	1828.4	1853.6	1877.8	1908.4	1903.9	1929.1	1948.0	1965.1	1967.7	1980.3
5°	1715.2	1733.1	1789.8	1838.2	1899.4	1947.1	1998.3	2038.7	2068.4	2096.2	2099.9
7.5°	1558.8	1572.2	1637.8	1714.3	1802.3	1865.2	1942.6	2010.0	2057.7	2102.6	2112.5
10°	1424.8	1437.3	1510.2	1609.1	1686.3	1768.2	1848.2	1903.0	1965.1	2003.7	2022.6
12.5°	1360.1	1375.4	1444.6	1534.4	1613.6	1692.7	1752.9	1800.5	1835.6	1842.7	1848.2
15°	1385.3	1393.4	1469.8	1549.8	1612.7	1652.2	1668.4	1697.2	1694.4	1708.8	1711.5
17.5°	1486.9	1483.2	1564.1	1619.8	1650.4	1645.9	1620.8	1605.4	1578.5	1570.4	1593.8
20°	1661.2	1673.8	1725.9	1760.1	1728.6	1655.9	1586.6	1538.9	1501.2	1488.6	1485.9
22.5°	1865.2	1881.4	1938.1	1920.1	1840.1	1707.0	1581.2	1504.8	1458.0	1444.6	1439.2
25°	2079.2	2090.0	2118.7	2057.7	1945.2	1772.7	1618.9	1512.0	1449.9	1430.2	1427.5
27.5°	2251.8	2262.6	2249.1	2179.0	2016.2	1846.4	1671.1	1544.3	1463.4	1443.7	1434.7
30°	2392.9	2398.3	2353.4	2266.1	2104.4	1928.2	1739.4	1601.0	1506.6	1461.6	1455.4
32.5°	2551.1	2547.6	2460.3	2339.9	2179.0	2001.9	1817.6	1664.8	1547.9	1493.1	1483.2
35°	2724.6	2693.1	2539.5	2412.7	2230.2	2058.5	1888.7	1732.3	1614.4	1541.7	1529.1
37.5°	2879.2	2846.9	2641.1	2470.2	2281.5	2102.6	1944.3	1819.4	1716.0	1649.5	1644.1
40°	2999.7	2960.1	2718.3	2508.9	2306.7	2134.9	2010.0	1929.1	1860.7	1806.8	1806.8
42.5°	3096.8	3053.6	2793.9	2553.8	2329.1	2184.4	2119.7	2091.8	2077.4	2047.7	2058.5
45°	3190.3	3146.2	2855.9	2582.6	2379.5	2280.6	2289.6	2313.8	2357.0	2339.9	2355.1
47.5°	3279.3	3236.1	2925.9	2628.5	2476.6	2453.1	2499.9	2597.0	2681.5	2748.0	2794.7
50°	3428.5	3377.3	3051.9	2763.3	2629.3	2641.1	2775.9	2966.5	3103.9	3165.1	3161.5
52.5°	3711.7	3638.8	3322.4	3014.9	2847.8	2912.5	3071.6	3311.6	3491.4	3539.0	3557.9
55°	4057.7	4000.1	3713.4	3348.4	3227.1	3249.6	3447.3	3718.8	3857.2	3906.8	3922.9
57.5°	4260.9	4245.6	4065.8	3705.3	3587.6	3578.6	3836.6	4058.7	4178.1	4224.9	4210.6
59°	4308.6	4313.0	4210.6	3957.9	3796.2	3776.3	4038.8	4244.7	4344.5	4358.9	4351.6
60°	4304.1	4329.2	4316.6	4096.4	3928.2	3903.1	4124.2	4320.2	4403.8	4426.3	4401.1
62.5°	4211.4	4254.6	4374.1	4350.8	4227.7	4099.1	4203.3	4345.4	4399.3	4377.7	4358.9
65°	4001.1	4057.7	4224.1	4430.8	4312.1	4064.0	3881.5	3897.7	3979.5	3925.6	3951.7
67.5°	3637.9	3702.7	3790.7	4260.0	4087.4	3671.2	3357.4	3203.8	3165.1	3217.3	3299.9
70°	2959.2	3001.5	3224.4	3887.8	3589.4	3017.7	2624.0	2419.0	2350.6	2471.1	2555.6
72.5°	2087.3	2150.2	2444.1	3217.3	2953.0	2417.2	1985.8	1796.9	1728.6	1734.0	1807.8
75°	1270.2	1355.6	1707.9	2544.0	2327.3	1851.7	1512.8	1377.1	1356.4	1344.8	1332.2
77.5°	837.8	870.1	1122.8	1755.6	1569.5	1316.9	1135.4	1191.0	1253.1	1266.6	1282.8
80°	568.1	578.0	728.1	1231.5	1033.8	972.6	917.8	1049.0	1166.8	1188.4	1176.7
82.5°	349.6	379.3	507.9	830.6	824.3	795.5	725.5	827.9	906.1	919.6	943.9
85°	121.3	126.7	311.9	733.6	837.8	846.8	597.8	471.9	530.4	520.5	374.0
87.5°	52.2	58.4	97.1	490.8	567.2	469.2	273.2	242.7	187.0	105.2	101.6
90°	3.6	3.6	2.7	4.5	13.5	9.0	8.1	2.7	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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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°	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6
2.5°	1977.7	1965.9	1973.2	1963.2	1947.1	1936.2	1923.7	1907.5	1888.7	1863.5	1838.2
5°	2091.8	2082.8	2060.3	2028.0	1983.0	1945.2	1900.3	1847.2	1803.3	1746.6	1693.6
7.5°	2101.7	2087.3	2045.9	1985.8	1916.5	1846.4	1793.3	1707.0	1651.3	1561.4	1501.2
10°	2011.7	2012.7	1971.3	1914.7	1842.7	1760.1	1683.7	1589.3	1507.5	1415.8	1315.1
12.5°	1879.7	1892.3	1894.0	1843.7	1773.6	1686.3	1601.0	1511.1	1409.5	1311.5	1218.9
15°	1729.5	1765.5	1768.2	1755.6	1718.8	1645.0	1566.9	1485.9	1382.5	1275.5	1171.3
17.5°	1595.6	1629.8	1661.2	1690.0	1691.8	1656.7	1609.1	1539.8	1436.4	1310.6	1188.4
20°	1494.0	1530.8	1584.8	1637.8	1696.3	1714.3	1717.8	1673.8	1563.2	1409.5	1244.1
22.5°	1451.8	1494.9	1549.8	1649.5	1752.9	1816.8	1852.7	1852.7	1736.7	1556.9	1335.8
25°	1442.8	1477.9	1561.4	1685.5	1823.9	1935.4	2003.7	2049.6	1965.9	1746.6	1449.0
27.5°	1449.0	1496.7	1600.1	1726.8	1871.6	2014.5	2126.8	2206.8	2128.7	1876.1	1554.3
30°	1474.3	1545.3	1652.2	1783.4	1932.7	2083.6	2219.4	2321.0	2263.5	1993.8	1654.0
32.5°	1518.3	1604.6	1725.9	1844.6	1992.9	2156.5	2290.5	2424.4	2382.1	2075.6	1707.0
35°	1583.9	1685.5	1796.0	1915.6	2057.7	2221.2	2364.1	2539.5	2524.1	2178.1	1760.1
37.5°	1690.0	1794.3	1895.8	1998.3	2133.2	2292.2	2470.2	2694.0	2681.5	2330.0	1845.5
40°	1876.9	1938.1	2013.6	2079.2	2206.0	2357.9	2548.5	2821.7	2866.6	2460.3	1921.0
42.5°	2108.9	2144.8	2166.4	2184.4	2249.1	2392.1	2605.0	2907.1	2980.8	2557.4	1979.4
45°	2404.7	2393.8	2350.6	2309.3	2302.2	2411.8	2631.1	2970.0	3070.7	2651.8	2038.7
47.5°	2754.3	2730.9	2613.1	2477.4	2401.9	2447.7	2677.0	3062.6	3181.3	2775.9	2112.5
50°	3158.0	3103.0	2910.7	2681.5	2542.1	2549.3	2793.0	3191.2	3326.9	2937.7	2250.0
52.5°	3531.8	3433.8	3204.6	2901.7	2702.1	2726.5	3001.5	3457.3	3625.3	3205.5	2481.1
55°	3861.7	3735.9	3488.7	3157.0	2976.3	3018.5	3335.0	3809.6	3968.7	3524.7	2714.7
57.5°	4142.2	4008.3	3764.7	3472.5	3247.8	3282.9	3632.5	4136.8	4243.8	3811.4	2938.5
59°	4269.9	4137.7	3913.0	3643.3	3433.0	3506.7	3842.9	4299.6	4345.4	3922.0	3023.9
60°	4331.9	4199.7	4002.0	3738.6	3546.3	3643.3	3954.3	4422.7	4383.1	3938.2	3056.4
62.5°	4327.4	4234.8	4104.5	3924.7	3889.7	4051.4	4316.6	4580.9	4409.2	3891.4	3077.0
65°	3972.3	3964.2	3883.3	3904.0	4050.6	4300.4	4463.1	4607.0	4355.3	3705.3	2977.2
67.5°	3313.4	3346.7	3357.4	3484.2	3826.7	4251.0	4393.9	4421.8	4120.7	3307.1	2667.1
70°	2558.3	2484.6	2606.0	2829.8	3323.3	3869.8	4073.0	3975.9	3640.6	2769.5	2178.1
72.5°	1811.3	1832.9	2007.3	2297.6	2800.1	3366.4	3684.7	3155.2	2739.1	2072.9	1544.3
75°	1362.8	1464.4	1548.8	1803.3	2274.2	2883.7	3146.2	2169.1	1784.3	1429.3	1010.4
77.5°	1306.1	1298.0	1233.3	1287.3	1639.6	2019.9	2244.6	1353.8	1117.4	934.9	610.4
80°	1207.3	1138.0	1020.3	968.1	1032.9	1297.1	1424.8	870.1	743.4	653.6	344.3
82.5°	936.7	890.0	765.9	762.3	861.1	921.4	979.8	616.6	559.1	529.5	211.2
85°	594.2	610.4	625.6	763.2	955.5	966.4	762.3	375.7	294.8	415.3	134.8
87.5°	176.2	286.7	347.9	590.5	861.1	863.9	573.5	123.2	110.6	129.4	78.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	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: P227200

CATALOG NUMBER: ISW-AF-1000-LED-E1-SLL

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: P227200

CATALOG NUMBER: ISW-AF-1000-LED-E1-SLL

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6
2.5°	1812.3	1808.6	1783.4	1741.2	1744.8	1725.0	1699.8	1659.4	1651.3	1628.8	1625.3
5°	1648.6	1606.3	1551.5	1485.0	1459.9	1425.7	1390.6	1365.4	1334.0	1305.2	1343.9
7.5°	1430.2	1368.2	1304.4	1234.2	1193.8	1138.0	1108.4	1050.9	1008.6	1000.5	967.2
10°	1247.7	1169.5	1096.7	1033.8	958.2	906.1	868.4	836.9	808.1	773.0	751.5
12.5°	1126.4	1038.3	961.0	882.7	846.8	803.6	780.3	750.6	709.2	679.5	650.8
15°	1071.5	976.2	891.7	823.4	771.3	730.8	689.5	653.6	608.6	575.3	542.1
17.5°	1064.3	940.3	833.3	756.9	700.2	656.2	601.4	553.7	498.9	462.1	434.1
20°	1072.5	913.3	779.4	679.5	622.1	544.7	493.5	435.1	381.2	332.6	288.6
22.5°	1104.8	899.0	726.3	616.6	531.2	443.1	388.3	313.7	267.9	221.2	204.1
25°	1148.8	890.0	680.5	547.5	439.6	352.4	277.7	215.7	195.1	183.4	177.1
27.5°	1195.5	873.7	629.2	483.7	365.9	259.8	207.7	181.6	173.5	167.2	162.8
30°	1230.6	842.3	566.3	415.3	291.2	222.1	185.2	168.1	162.8	155.5	151.0
32.5°	1245.9	793.7	509.7	350.6	245.4	190.6	161.8	151.9	146.5	140.2	137.5
35°	1243.2	738.9	480.9	325.4	224.7	169.0	142.0	135.7	128.6	122.2	116.0
37.5°	1245.9	688.5	458.5	319.2	215.7	152.8	129.4	124.9	119.6	113.2	107.9
40°	1256.7	660.7	447.6	305.7	208.6	146.5	119.6	115.1	114.2	107.0	102.5
42.5°	1261.2	663.4	442.2	286.7	190.6	144.7	119.6	109.7	109.7	104.2	98.9
45°	1255.8	683.2	445.9	276.0	177.1	135.7	125.8	109.7	107.0	102.5	97.1
47.5°	1271.9	697.6	445.9	274.2	168.1	126.7	119.6	120.5	108.7	103.4	95.2
50°	1338.5	711.1	436.9	271.5	165.4	117.7	113.2	118.7	122.2	105.2	96.2
52.5°	1456.3	728.1	427.0	267.0	161.8	110.6	105.2	111.5	124.9	110.6	96.2
55°	1576.7	758.7	420.7	259.8	156.4	106.1	95.2	107.0	114.2	109.7	95.2
57.5°	1705.3	792.0	414.4	242.7	143.8	101.6	91.7	93.5	102.5	106.1	92.6
59°	1743.9	808.1	409.0	230.2	133.1	98.0	89.0	86.3	91.7	101.6	90.8
60°	1771.8	809.1	402.7	219.3	126.7	96.2	87.2	83.6	85.4	104.2	91.7
62.5°	1774.5	808.1	382.9	196.8	114.2	92.6	84.5	80.0	78.3	87.2	93.5
65°	1663.0	770.4	347.0	185.2	115.1	89.0	80.0	76.4	72.8	74.6	80.9
67.5°	1454.4	673.3	309.2	187.9	121.3	86.3	76.4	72.8	70.1	68.3	71.0
70°	1100.3	559.1	298.4	194.2	126.7	84.5	71.0	67.4	65.6	64.8	64.8
72.5°	762.3	460.2	286.7	198.7	131.2	83.6	65.6	62.0	61.2	60.3	60.3
75°	490.8	334.4	237.3	169.0	119.6	76.4	59.3	55.8	54.8	53.9	54.8
77.5°	290.3	233.7	174.4	118.7	87.2	61.2	51.2	48.6	48.6	48.6	49.4
80°	160.9	138.4	116.0	76.4	62.0	45.8	42.2	39.6	39.6	40.4	42.2
82.5°	96.2	76.4	65.6	48.6	42.2	32.3	31.5	29.7	30.6	31.5	33.2
85°	62.9	48.6	39.6	32.3	28.7	20.7	18.0	18.9	19.7	21.6	22.5
87.5°	35.1	27.0	21.6	18.9	17.1	9.0	7.2	7.2	9.0	10.7	12.6
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: P227200
 CATALOG NUMBER: ISW-AF-1000-LED-E1-SLL

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: P227200
 NUMBER: ISW-AF-1000-LED-E1-SLL

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

160°	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	110°	160°
1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	110°	0.0
1637.8	1611.8	1583.9	1563.2	1572.2	1542.5	1545.3	1537.2	1533.5	1531.8	1512.8	112.5°	0.0
1297.1	1307.0	1265.7	1270.2	1282.8	1252.2	1231.5	1265.7	1261.2	1230.6	1247.7	115°	0.0
934.9	937.5	918.7	876.5	876.5	899.0	907.1	923.2	934.0	971.7	948.4	117.5°	0.0
714.6	689.5	670.5	651.7	640.9	618.5	623.9	643.6	656.2	677.8	694.9	120°	0.0
621.1	593.3	560.1	531.2	516.0	495.3	481.8	477.3	481.8	468.3	469.2	122.5°	0.0
516.0	490.8	454.0	438.6	409.9	393.7	384.7	373.1	364.1	345.1	337.1	125°	0.0
400.0	366.7	329.0	329.0	308.3	294.8	291.2	288.6	283.2	273.2	263.4	127.5°	0.0
266.1	244.5	222.9	212.2	213.9	212.2	206.7	215.7	215.7	219.3	217.6	130°	0.0
194.2	190.6	182.5	176.2	172.6	171.7	172.6	175.3	180.7	185.2	189.7	132.5°	0.0
174.4	172.6	165.4	159.1	158.3	156.4	156.4	159.1	160.0	160.9	160.0	135°	0.0
161.8	158.3	151.9	147.4	145.7	144.7	145.7	142.9	141.2	142.0	141.2	137.5°	0.0
146.5	143.8	137.5	133.9	133.1	133.1	130.3	129.4	127.7	128.6	127.7	140°	0.0
134.8	131.2	124.9	120.5	120.5	119.6	120.5	119.6	118.7	117.7	117.7	142.5°	0.0
113.2	112.3	106.1	104.2	105.2	107.9	107.9	107.9	108.7	107.9	107.9	145°	0.0
105.2	104.2	98.0	93.5	92.6	92.6	92.6	94.4	97.1	98.0	99.7	147.5°	0.0
99.7	98.9	92.6	89.0	87.2	86.3	85.4	85.4	86.3	89.9	92.6	150°	0.0
96.2	94.4	88.1	83.6	82.7	81.8	80.9	80.9	80.9	81.8	84.5	152.5°	0.0
94.4	91.7	84.5	80.0	78.3	77.3	77.3	78.3	77.3	77.3	77.3	155°	0.0
91.7	89.9	82.7	77.3	75.5	75.5	74.6	74.6	74.6	72.8	72.8	157.5°	0.0
90.8	88.1	80.9	75.5	73.8	72.8	71.9	72.8	71.0	70.1	69.3	160°	0.0
89.0	85.4	77.3	72.8	71.9	70.1	69.3	69.3	69.3	67.4	67.4	162.5°	0.0
88.1	83.6	75.5	71.0	69.3	67.4	66.5	66.5	68.3	66.5	66.5	165°	0.0
87.2	80.9	72.8	67.4	66.5	64.8	63.8	64.8	67.4	65.6	64.8	167.5°	0.0
83.6	79.1	71.0	66.5	64.8	62.9	62.0	62.9	64.8	64.8	64.8	170°	0.0
81.8	77.3	69.3	64.8	63.8	62.0	61.2	61.2	63.8	63.8	62.9	172.5°	0.0
79.1	75.5	67.4	62.0	60.3	60.3	59.3	59.3	60.3	60.3	61.2	175°	0.0
75.5	73.8	65.6	59.3	58.4	57.5	57.5	57.5	57.5	59.3	59.3	177.5°	0.0
71.9	71.0	62.9	57.5	55.8	55.8	55.8	55.8	55.8	56.7	57.5	180°	0.0
66.5	66.5	59.3	53.9	53.0	52.2	52.2	52.2	52.2	53.0	53.9		
61.2	62.0	54.8	49.4	48.6	48.6	48.6	48.6	49.4	49.4	50.3		
55.8	56.7	49.4	44.1	44.1	44.1	44.1	44.1	44.1	44.1	45.8		
50.3	50.3	42.2	36.8	37.7	38.7	39.6	38.7	38.7	39.6	42.2		
43.2	42.2	35.1	30.6	30.6	32.3	33.2	32.3	33.2	33.2	36.8		
34.2	34.2	27.0	22.5	22.5	26.1	26.1	26.1	27.0	27.8	30.6		
26.1	25.2	18.9	15.2	15.2	18.0	18.9	19.7	20.7	21.6	23.3		
15.2	15.2	9.9	6.3	7.2	8.1	10.7	10.7	10.7	12.6	15.2		
0.0	0.9	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

'227200
 ISW-AF-1000-LED-E1-SLL

REPORT NUMBER: P227200
 CATALOG NUMBER: ISW-AF-1000-LED-E1-SLL

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°	1764.6	1764.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	1529.1	1528.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	1254.9	1246.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	972.6	1002.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	701.1	721.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	488.2	498.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	336.2	357.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	261.6	264.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	215.7	217.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	191.5	195.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	160.9	164.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	142.0	145.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	130.3	132.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	118.7	118.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	108.7	109.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	101.6	103.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	95.2	96.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	86.3	88.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	78.3	79.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	72.8	72.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	69.3	70.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	67.4	68.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	66.5	68.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	66.5	67.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59°	65.6	66.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	65.6	67.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	62.9	64.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	61.2	62.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	58.4	61.2
										70°	55.8	58.4
										72.5°	52.2	55.8
										75°	48.6	51.2
										77.5°	44.1	46.7
										80°	38.7	39.6
										82.5°	32.3	32.3
										85°	24.2	21.6
										87.5°	13.5	14.4
										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



REPORT NUMBER: P227200

CATALOG NUMBER: ISW-AF-1000-LED-E:

000-LED-E1-SLL

tinued):

CANDELA DISTRIBUTION (continued):

225°	230°	235°	240°	245°	250°	255°	260°	265°		215°	220°	225°
1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	110°	0.0	0.0	0.0
1509.3	1509.3	1536.3	1538.9	1507.5	1515.6	1530.8	1512.8	1532.7	112.5°	0.0	0.0	0.0
1266.6	1255.8	1256.7	1249.5	1262.1	1247.7	1262.9	1257.6	1253.1	115°	0.0	0.0	0.0
983.5	1002.3	988.8	962.7	983.5	967.2	936.7	939.4	905.2	117.5°	0.0	0.0	0.0
738.9	725.5	718.2	705.6	672.4	678.7	644.6	649.9	661.6	120°	0.0	0.0	0.0
509.7	499.8	511.5	503.4	489.9	492.7	499.8	507.0	525.9	122.5°	0.0	0.0	0.0
357.7	353.2	350.6	356.0	371.2	379.3	391.1	412.6	423.4	125°	0.0	0.0	0.0
268.7	269.6	267.0	275.1	287.7	294.0	296.7	298.4	311.0	127.5°	0.0	0.0	0.0
222.1	225.7	224.7	227.4	223.8	220.2	222.9	217.6	213.1	130°	0.0	0.0	0.0
194.2	195.1	190.6	189.7	184.2	179.8	176.2	176.2	174.4	132.5°	0.0	0.0	0.0
164.5	165.4	160.9	160.9	160.0	162.8	160.9	157.3	156.4	135°	0.0	0.0	0.0
147.4	145.7	142.9	142.9	141.2	141.2	142.0	142.9	142.0	137.5°	0.0	0.0	0.0
132.2	130.3	129.4	130.3	129.4	130.3	131.2	130.3	131.2	140°	0.0	0.0	0.0
121.3	119.6	119.6	120.5	119.6	120.5	120.5	120.5	119.6	142.5°	0.0	0.0	0.0
112.3	110.6	110.6	110.6	109.7	107.9	106.1	103.4	100.7	145°	0.0	0.0	0.0
105.2	104.2	102.5	101.6	98.9	93.5	91.7	91.7	91.7	147.5°	0.0	0.0	0.0
98.9	97.1	96.2	92.6	89.0	87.2	87.2	87.2	87.2	150°	0.0	0.0	0.0
90.8	88.1	86.3	85.4	84.5	84.5	83.6	83.6	83.6	152.5°	0.0	0.0	0.0
80.9	80.0	80.0	80.9	80.9	80.9	80.9	80.0	80.9	155°	0.0	0.0	0.0
74.6	74.6	75.5	76.4	77.3	78.3	79.1	78.3	79.1	157.5°	0.0	0.0	0.0
71.9	71.9	71.9	73.8	74.6	75.5	77.3	77.3	77.3	160°	0.0	0.0	0.0
70.1	70.1	71.0	71.9	72.8	73.8	74.6	75.5	76.4	162.5°	0.0	0.0	0.0
69.3	70.1	69.3	70.1	71.0	72.8	73.8	73.8	74.6	165°	0.0	0.0	0.0
69.3	69.3	69.3	69.3	71.0	71.9	71.0	71.9	72.8	167.5°	0.0	0.0	0.0
69.3	69.3	68.3	69.3	70.1	71.0	70.1	70.1	71.9	170°	0.0	0.0	0.0
68.3	69.3	68.3	68.3	69.3	70.1	69.3	70.1	71.0	172.5°	0.0	0.0	0.0
66.5	67.4	66.5	67.4	67.4	68.3	68.3	68.3	69.3	175°	0.0	0.0	0.0
64.8	64.8	64.8	65.6	65.6	66.5	66.5	67.4	66.5	177.5°	0.0	0.0	0.0
62.9	62.9	62.9	63.8	63.8	64.8	65.6	64.8	64.8	180°	0.0	0.0	0.0
61.2	60.3	59.3	60.3	61.2	61.2	62.0	61.2	62.0				
58.4	57.5	56.7	56.7	57.5	57.5	58.4	57.5	57.5				
53.9	53.9	52.2	52.2	52.2	52.2	53.0	52.2	51.2				
48.6	48.6	46.7	46.7	46.7	46.7	45.8	45.8	45.8				
40.4	41.3	41.3	40.4	40.4	39.6	39.6	38.7	37.7				
30.6	32.3	33.2	33.2	33.2	33.2	33.2	31.5	29.7				
21.6	24.2	27.0	27.0	26.1	26.1	26.1	23.3	20.7				
13.5	16.2	17.1	18.9	16.2	15.2	15.2	13.5	12.6				
0.0	0.0	1.8	0.9	2.7	2.7	3.6	1.8	0.9				
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	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: P227200

CATALOG NUMBER: ISW-AF-1000-LED-E1-SLL

1-SLL

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°	1764.6	1764.6	1764.6	1764.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	1515.6	1548.8	1553.4	1557.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	1245.9	1279.2	1260.3	1268.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	909.7	888.1	916.0	933.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	664.3	689.5	700.2	720.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	551.1	567.2	587.0	618.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	446.7	458.5	483.7	514.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	325.4	342.5	358.6	383.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	218.4	225.7	245.4	257.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	175.3	178.0	181.6	191.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	157.3	159.1	161.8	165.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	142.9	143.8	146.5	148.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	130.3	129.4	130.3	133.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	116.8	116.8	118.7	118.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	100.7	99.7	101.6	104.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	92.6	93.5	95.2	97.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	88.1	89.0	90.8	92.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	83.6	85.4	87.2	89.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	80.9	82.7	85.4	88.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	80.0	81.8	84.5	88.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	78.3	80.9	83.6	87.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	78.3	80.0	82.7	87.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	75.5	78.3	80.9	85.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	73.8	75.5	79.1	84.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59°	72.8	74.6	78.3	83.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	71.0	73.8	77.3	82.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	69.3	71.9	75.5	80.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	66.5	70.1	73.8	77.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	64.8	66.5	70.1	73.8
								70°	61.2	62.9	65.6	68.3
								72.5°	56.7	57.5	59.3	62.0
								75°	50.3	51.2	52.2	54.8
								77.5°	44.1	44.1	44.9	48.6
								80°	36.8	36.8	37.7	39.6
								82.5°	27.8	27.8	29.7	32.3
								85°	19.7	18.9	21.6	23.3
								87.5°	11.7	10.7	11.7	11.7
								90°	0.9	2.7	1.8	1.8
								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: P227200
 CATALOG NUMBER: ISW-AF-1000-LED-E1-SLL

CANDELA DISTRIBUTION (continued):

290°	295°	300°	305°	310°	315°	320°		270°	275°	280°	285°	290°
1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	110°	0.0	0.0	0.0	0.0	0.0
1575.9	1566.9	1574.0	1601.8	1611.8	1624.3	1666.6	112.5°	0.0	0.0	0.0	0.0	0.0
1288.2	1299.9	1288.2	1344.8	1347.4	1385.3	1400.5	115°	0.0	0.0	0.0	0.0	0.0
946.5	961.9	987.0	1024.8	1035.5	1089.4	1135.4	117.5°	0.0	0.0	0.0	0.0	0.0
738.9	758.7	793.7	817.1	840.5	872.0	908.8	120°	0.0	0.0	0.0	0.0	0.0
656.2	676.9	707.5	737.1	770.4	794.6	825.2	122.5°	0.0	0.0	0.0	0.0	0.0
548.3	580.7	610.4	649.1	676.9	721.0	756.9	125°	0.0	0.0	0.0	0.0	0.0
418.9	463.8	493.5	540.2	582.5	621.1	669.7	127.5°	0.0	0.0	0.0	0.0	0.0
291.2	326.3	364.1	414.4	469.2	522.3	587.0	130°	0.0	0.0	0.0	0.0	0.0
200.5	219.3	248.1	300.2	356.9	433.3	503.4	132.5°	0.0	0.0	0.0	0.0	0.0
170.8	178.0	188.7	213.9	261.6	345.1	422.5	135°	0.0	0.0	0.0	0.0	0.0
151.9	157.3	164.5	177.1	202.2	259.8	345.1	137.5°	0.0	0.0	0.0	0.0	0.0
139.3	145.7	152.8	161.8	175.3	214.8	278.7	140°	0.0	0.0	0.0	0.0	0.0
122.2	126.7	133.1	142.9	152.8	184.2	246.3	142.5°	0.0	0.0	0.0	0.0	0.0
107.9	113.2	121.3	128.6	138.4	163.6	223.8	145°	0.0	0.0	0.0	0.0	0.0
100.7	106.1	113.2	119.6	126.7	147.4	207.7	147.5°	0.0	0.0	0.0	0.0	0.0
96.2	101.6	108.7	114.2	118.7	142.0	201.3	150°	0.0	0.0	0.0	0.0	0.0
93.5	99.7	106.1	109.7	118.7	144.7	186.1	152.5°	0.0	0.0	0.0	0.0	0.0
92.6	98.9	106.1	112.3	130.3	136.7	176.2	155°	0.0	0.0	0.0	0.0	0.0
93.5	98.9	107.9	125.8	126.7	129.4	165.4	157.5°	0.0	0.0	0.0	0.0	0.0
93.5	101.6	120.5	131.2	120.5	122.2	155.5	160°	0.0	0.0	0.0	0.0	0.0
94.4	105.2	124.9	122.2	116.8	114.2	144.7	162.5°	0.0	0.0	0.0	0.0	0.0
94.4	103.4	119.6	115.1	107.9	108.7	132.2	165°	0.0	0.0	0.0	0.0	0.0
91.7	103.4	115.1	104.2	98.9	103.4	121.3	167.5°	0.0	0.0	0.0	0.0	0.0
89.9	106.1	102.5	96.2	96.2	100.7	116.0	170°	0.0	0.0	0.0	0.0	0.0
89.0	108.7	97.1	93.5	93.5	99.7	113.2	172.5°	0.0	0.0	0.0	0.0	0.0
86.3	101.6	89.0	87.2	89.9	94.4	109.7	175°	0.0	0.0	0.0	0.0	0.0
80.9	84.5	81.8	81.8	85.4	90.8	107.9	177.5°	0.0	0.0	0.0	0.0	0.0
74.6	76.4	76.4	77.3	80.9	85.4	109.7	180°	0.0	0.0	0.0	0.0	0.0
69.3	69.3	71.0	71.9	74.6	80.9	105.2						
62.9	63.8	63.8	65.6	67.4	73.8	101.6						
55.8	55.8	57.5	57.5	60.3	66.5	90.8						
48.6	48.6	48.6	49.4	51.2	57.5	74.6						
40.4	40.4	40.4	41.3	42.2	47.7	56.7						
32.3	31.5	30.6	30.6	32.3	36.8	44.1						
22.5	22.5	21.6	21.6	21.6	24.2	29.7						
12.6	10.7	11.7	12.6	11.7	13.5	16.2						
0.9	1.8	2.7	3.6	3.6	3.6	5.4						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	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: P227200

CATALOG NUMBER: ISW-AF-1000-LED-E1-SLL

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°	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6
0.0	0.0	0.0	0.0	0.0	0.0	2.5°	1661.2	1684.6	1721.4	1728.6	1758.2	1778.9
0.0	0.0	0.0	0.0	0.0	0.0	5°	1407.7	1463.4	1483.2	1521.8	1589.3	1623.4
0.0	0.0	0.0	0.0	0.0	0.0	7.5°	1161.4	1203.6	1251.3	1313.4	1362.8	1421.2
0.0	0.0	0.0	0.0	0.0	0.0	10°	955.5	1015.8	1077.8	1128.1	1197.4	1267.4
0.0	0.0	0.0	0.0	0.0	0.0	12.5°	848.5	881.9	943.0	1013.9	1100.3	1178.4
0.0	0.0	0.0	0.0	0.0	0.0	15°	792.9	832.4	898.0	973.5	1065.2	1162.3
0.0	0.0	0.0	0.0	0.0	0.0	17.5°	723.6	786.5	861.1	969.0	1087.7	1222.5
0.0	0.0	0.0	0.0	0.0	0.0	20°	655.3	731.7	829.7	971.7	1136.2	1311.5
0.0	0.0	0.0	0.0	0.0	0.0	22.5°	595.1	685.9	810.0	987.9	1198.3	1432.0
0.0	0.0	0.0	0.0	0.0	0.0	25°	524.1	645.4	794.6	1021.2	1293.5	1593.8
0.0	0.0	0.0	0.0	0.0	0.0	27.5°	467.5	606.8	772.1	1050.0	1380.8	1749.3
0.0	0.0	0.0	0.0	0.0	0.0	30°	404.5	561.8	740.7	1059.8	1486.9	1876.9
0.0	0.0	0.0	0.0	0.0	0.0	32.5°	354.1	519.6	704.7	1050.9	1534.4	1965.9
0.0	0.0	0.0	0.0	0.0	0.0	35°	329.9	489.0	674.2	1019.4	1574.0	2062.2
0.0	0.0	0.0	0.0	0.0	0.0	37.5°	313.7	455.7	644.6	967.2	1618.9	2157.4
0.0	0.0	0.0	0.0	0.0	0.0	40°	293.1	429.6	620.2	929.5	1654.0	2236.5
0.0	0.0	0.0	0.0	0.0	0.0	42.5°	274.2	406.3	601.4	896.2	1663.0	2307.6
0.0	0.0	0.0	0.0	0.0	0.0	45°	258.0	391.9	587.0	898.0	1669.3	2406.4
0.0	0.0	0.0	0.0	0.0	0.0	47.5°	245.4	378.5	581.6	928.6	1735.8	2544.0
0.0	0.0	0.0	0.0	0.0	0.0	50°	233.7	366.7	572.6	987.9	1842.7	2730.1
0.0	0.0	0.0	0.0	0.0	0.0	52.5°	220.2	350.6	560.9	1049.0	1959.7	2979.0
0.0	0.0	0.0	0.0	0.0	0.0	55°	202.2	329.0	548.3	1100.3	2118.7	3281.9
0.0	0.0	0.0	0.0	0.0	0.0	57.5°	174.4	303.8	540.2	1126.4	2216.7	3456.3
0.0	0.0	0.0	0.0	0.0	0.0	59°	160.0	279.6	535.7	1113.8	2242.8	3486.0
0.0	0.0	0.0	0.0	0.0	0.0	60°	151.9	265.1	528.6	1098.4	2250.0	3467.1
0.0	0.0	0.0	0.0	0.0	0.0	62.5°	141.2	231.0	498.9	1022.0	2149.3	3238.8
0.0	0.0	0.0	0.0	0.0	0.0	65°	143.8	218.4	431.5	870.1	1918.3	2793.0
0.0	0.0	0.0	0.0	0.0	0.0	67.5°	147.4	213.1	373.1	703.0	1529.1	2311.2
						70°	144.7	210.3	338.9	559.1	1145.2	1730.4
						72.5°	141.2	198.7	294.0	449.5	726.3	1211.8
						75°	124.9	167.2	231.0	308.3	458.5	882.7
						77.5°	98.0	128.6	163.6	191.5	232.8	623.0
						80°	71.9	93.5	107.0	115.1	129.4	425.1
						82.5°	51.2	62.9	68.3	72.8	86.3	318.2
						85°	38.7	44.1	47.7	47.7	58.4	224.7
						87.5°	21.6	22.5	22.5	24.2	28.7	61.2
						90°	6.3	6.3	5.4	6.3	4.5	3.6
						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



REPORT NUMBER: P227200
 CATALOG NUMBER: ISW-AF-1000-LED-E1-SLL

CANDELA DISTRIBUTION (continued):

355°	359°	360°		325°	330°	335°	340°	345°	350°	355°
1764.6	1764.6	1764.6	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1802.3	1815.8	1826.6	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1675.6	1708.8	1715.2	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1485.9	1539.8	1558.8	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1346.6	1405.0	1424.8	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1270.2	1338.5	1360.1	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1271.9	1353.8	1385.3	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1354.7	1448.2	1486.9	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1496.7	1632.4	1661.2	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1689.1	1822.1	1865.2	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1869.7	2045.9	2079.2	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2047.7	2222.2	2251.8	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2185.2	2367.7	2392.9	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2317.4	2523.3	2551.1	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2464.8	2692.3	2724.6	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2597.9	2858.5	2879.2	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2745.3	2994.3	2999.7	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2865.8	3094.9	3096.8	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2982.6	3189.4	3190.3	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3104.9	3292.8	3279.3	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3298.1	3415.0	3428.5	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3592.1	3696.3	3711.7	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3933.7	4078.4	4057.7	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4078.4	4243.8	4260.9	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4054.2	4279.7	4308.6	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4015.5	4269.0	4304.1	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3796.2	4156.6	4211.4	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3427.6	3923.7	4001.1	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2953.9	3575.9	3637.9	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2304.8	2906.2	2959.2								
1531.8	1995.6	2087.3								
973.5	1287.3	1270.2								
718.2	836.9	837.8								
521.4	574.4	568.1								
403.7	350.6	349.6								
141.2	124.1	121.3								
61.2	51.2	52.2								
2.7	2.7	3.6								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								

