

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: STREETWORKS

Report Number: P560885

Luminaire Tested: **SDL-PA1-70-730-U-SL3**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560885
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-16)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-70-730-U-SL3
Description: Springdale
(1) 70 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7699.2 lumens
Efficiency: N/A
Efficacy: 106.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G3

Input Watts (W): 72.2
Input Voltage (V): NR
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: 24 FT



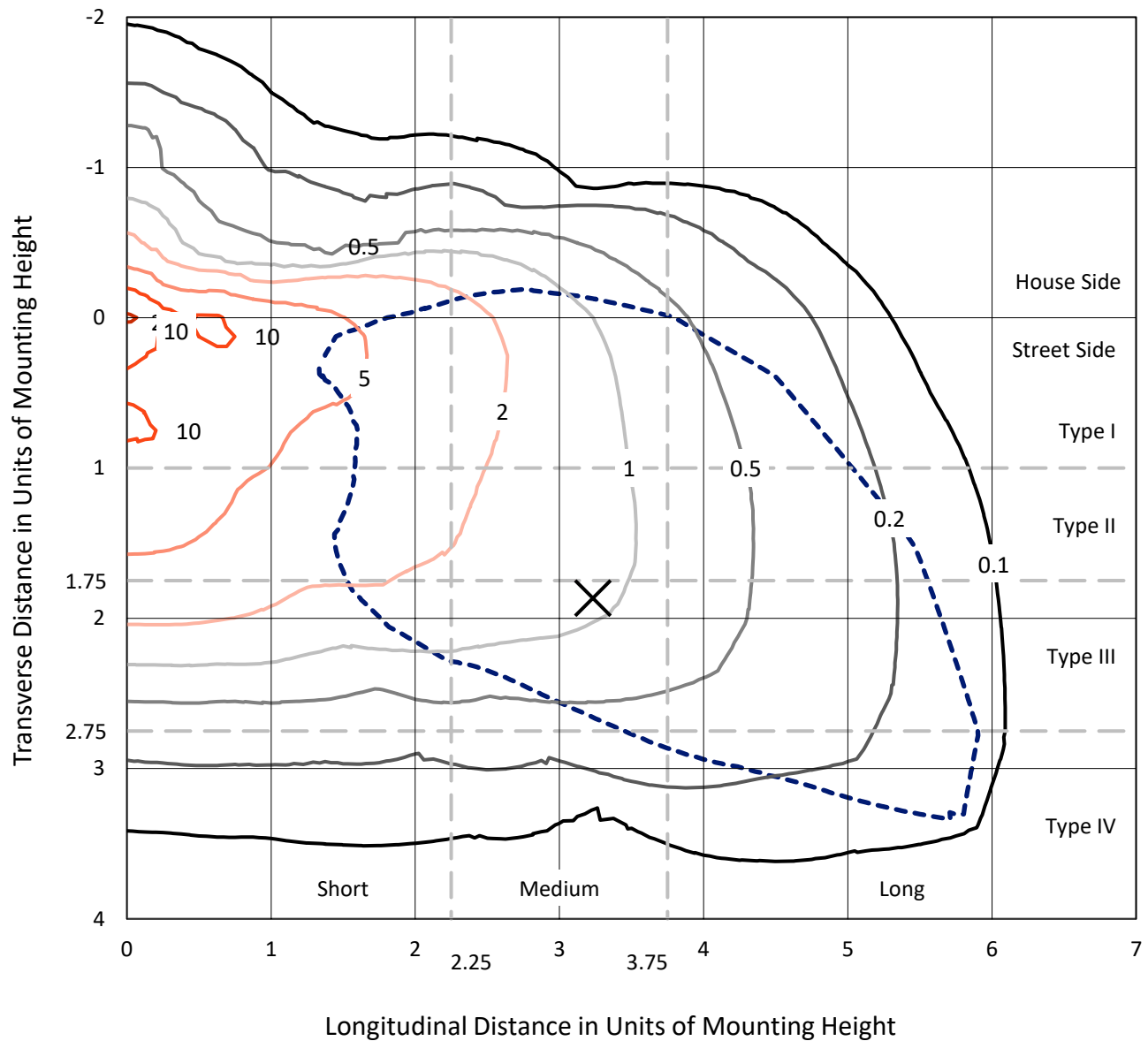
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



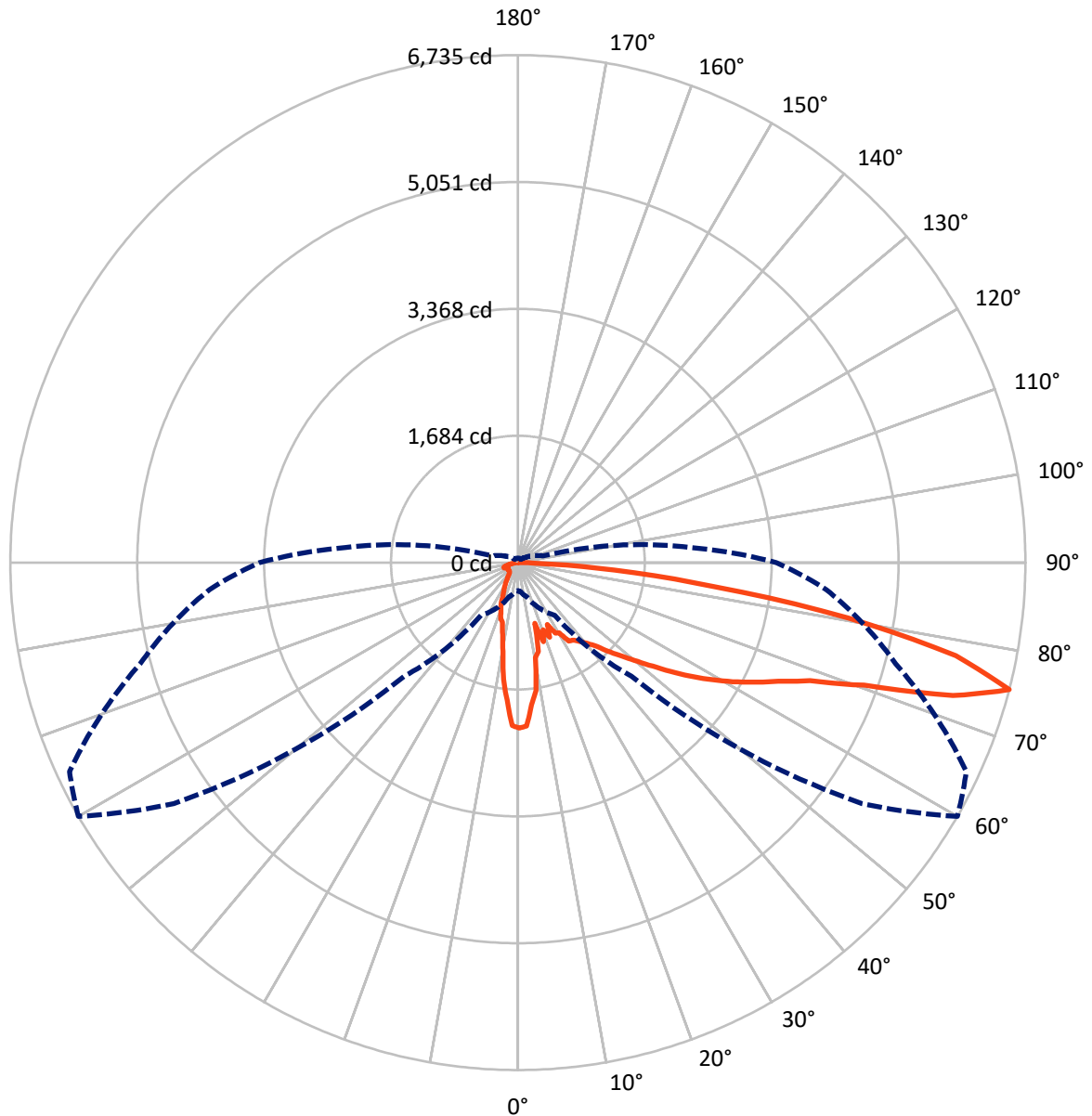
Based on 10 foot mounting height. Maximum calculated value = 22 fc

Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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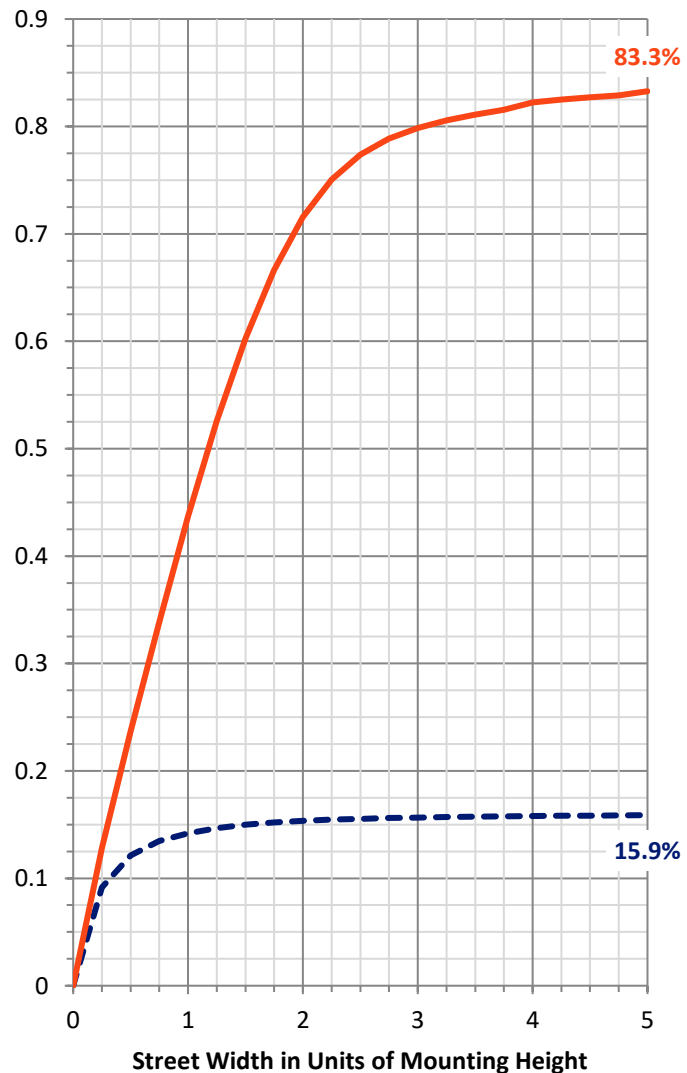
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1237.5	0.0	1237.5
	% Fixture	16.1	0.0	16.1
Street Side	Lumens	6461.7	0.0	6461.7
	% Fixture	83.9	0.0	83.9
Total	Lumens	7699.2	0.0	7699.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.2	2.1
10°-20°	289.0	3.8
20°-30°	378.6	4.9
30°-40°	624.8	8.1
40°-50°	975.7	12.7
50°-60°	1485.5	19.3
60°-70°	1840.6	23.9
70°-80°	1626.0	21.1
80°-90°	318.7	4.1
90°-100°	0.0	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°	7699.2	100.0
0°-180°	7699.2	100.0



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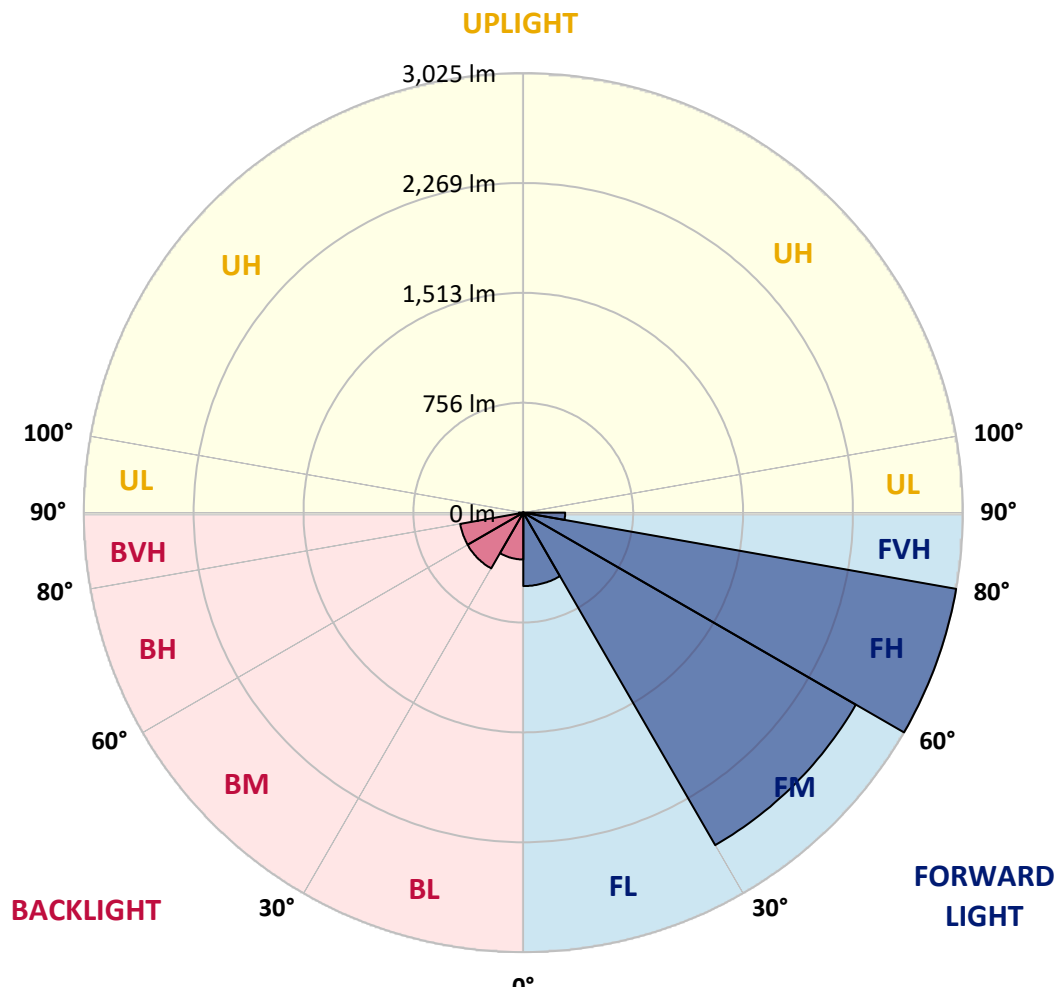
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	505.5	6.6			
FM	(30°-60°)	2642.6	34.3			
FH	(60°-80°)	3025.3	39.3			G2/5000
FVH	(80°-90°)	288.4	3.7			G3/500
BL	(0°-30°)	322.4	4.2	B1/500		
BM	(30°-60°)	443.4	5.8	B1/1000		
BH	(60°-80°)	441.3	5.7	B1/500		G1/500
BVH	(80°-90°)	30.4	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2196.1	2196.1	2196.1	2196.1	2196.1	2196.1	2196.1	2196.1	2196.1	2196.1	2196.1
2.5°	1824.0	2029.8	1981.9	1933.9	2007.2	2077.7	2100.3	2120.0	2131.3	2142.6	2153.8
5°	1694.3	1697.1	1700.0	1702.8	1711.2	1716.9	1728.1	1739.4	1750.7	1759.2	1770.4
7.5°	1308.1	1353.2	1426.5	1499.8	1544.9	1587.2	1612.6	1635.1	1652.0	1668.9	1685.9
10°	1454.7	1463.1	1466.0	1466.0	1480.1	1494.2	1387.0	1277.1	1330.6	1384.2	1325.0
12.5°	1141.8	1172.8	1265.8	1356.0	1384.2	1409.6	1358.8	1308.1	1229.2	1147.4	1141.8
15°	1310.9	1319.4	1322.2	1322.2	1234.8	1147.4	1088.2	1026.2	1074.1	1119.2	1014.9
17.5°	1014.9	1023.4	1096.7	1170.0	1184.0	1198.1	1136.1	1074.1	936.0	795.0	927.5
20°	1206.6	1212.2	1212.2	1212.2	1065.6	919.0	930.3	938.8	983.9	1029.0	992.3
22.5°	972.6	972.6	972.6	972.6	1017.7	1060.0	969.8	879.6	930.3	981.1	936.0
25°	1223.5	1232.0	1212.2	1189.7	1054.4	919.0	961.3	1003.6	927.5	851.4	919.0
27.5°	1116.4	1107.9	1068.5	1026.2	1045.9	1065.6	972.6	879.6	938.8	998.0	969.8
30°	1482.9	1457.5	1415.2	1372.9	1212.2	1051.5	1026.2	1000.8	950.1	896.5	955.7
32.5°	1970.6	1905.8	1708.4	1511.1	1412.4	1313.7	1186.9	1060.0	1048.7	1034.6	1051.5
35°	2100.3	2058.0	1976.2	1891.7	1722.5	1550.5	1389.8	1226.3	1172.8	1116.4	1127.7
37.5°	2125.7	2111.6	2094.6	2074.9	1902.9	1731.0	1556.2	1381.4	1325.0	1265.8	1223.5
40°	2145.4	2156.7	2187.7	2215.9	2043.9	1869.1	1711.2	1550.5	1491.3	1429.3	1356.0
42.5°	2235.6	2266.6	2306.1	2342.7	2184.9	2027.0	1888.8	1750.7	1674.6	1598.5	1530.8
45°	2444.2	2461.1	2503.4	2542.9	2393.5	2241.2	2083.4	1922.7	1857.8	1793.0	1725.3
47.5°	2748.7	2776.9	2774.1	2771.2	2604.9	2435.8	2258.2	2077.7	2035.4	1990.3	1925.5
50°	3132.1	3112.4	3058.8	3005.2	2824.8	2641.6	2432.9	2221.5	2201.8	2179.2	2125.7
52.5°	3323.8	3309.7	3236.4	3160.3	2977.0	2793.8	2568.3	2339.9	2365.3	2390.7	2339.9
55°	3335.1	3326.6	3273.1	3219.5	3041.9	2864.3	2664.1	2464.0	2526.0	2588.0	2568.3
57.5°	3253.3	3256.1	3239.2	3219.5	3061.6	2903.7	2737.4	2571.1	2678.2	2782.5	2802.3
60°	3044.7	3087.0	3115.2	3143.4	3044.7	2946.0	2802.3	2658.5	2822.0	2985.5	3039.1
62.5°	2658.5	2695.1	2796.6	2895.3	2915.0	2931.9	2836.1	2737.4	2957.3	3174.4	3261.8
65°	2060.8	2111.6	2263.8	2416.0	2573.9	2731.8	2754.3	2776.9	3149.0	3521.1	3594.4
67.5°	1285.5	1313.7	1474.4	1632.3	1950.9	2266.6	2447.0	2627.5	3270.2	3910.2	4025.8
70°	679.4	721.7	800.6	876.8	1150.2	1423.7	1790.2	2156.7	3087.0	4017.3	4490.9
72.5°	515.9	532.8	575.1	617.4	713.2	809.1	1040.3	1271.4	2416.0	3557.8	4648.8
75°	372.1	386.2	431.3	473.6	569.5	662.5	758.4	851.4	1491.3	2131.3	3853.8
77.5°	217.1	222.7	245.3	265.0	414.4	563.8	668.1	769.6	924.7	1076.9	2751.5
80°	149.4	152.2	160.7	169.1	234.0	298.8	499.0	699.2	769.6	837.3	1824.0
82.5°	98.7	112.8	118.4	124.0	146.6	169.1	293.2	414.4	608.9	800.6	1246.1
85°	50.7	56.4	67.7	76.1	87.4	95.9	132.5	166.3	504.6	840.1	896.5
87.5°	5.6	8.5	11.3	11.3	14.1	16.9	25.4	33.8	152.2	270.6	231.2
90°	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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2196.1	2196.1	2196.1	2196.1	2196.1	2196.1	2196.1	2196.1	2196.1	2196.1	2196.1
2.5°	2165.1	2170.8	2167.9	2173.6	2176.4	2179.2	2182.0	2182.0	2179.2	2173.6	2167.9
5°	1781.7	1894.5	2086.2	2105.9	2125.7	2131.3	2136.9	2139.7	2134.1	2125.7	2117.2
7.5°	1700.0	1716.9	1544.9	1683.0	1818.4	1829.6	1838.1	1832.5	1835.3	1759.2	1680.2
10°	1265.8	1279.9	1285.5	1327.8	1367.3	1460.3	1553.4	1539.3	1528.0	1392.7	1254.5
12.5°	1136.1	1209.4	1226.3	1155.9	1085.4	1181.2	1277.1	1265.8	1246.1	1122.0	998.0
15°	910.6	834.5	998.0	1150.2	1299.6	1389.8	1477.2	1451.9	1429.3	1271.4	1110.8
17.5°	1057.2	1102.3	1048.7	1071.3	1093.8	1161.5	1226.3	1186.9	1172.8	1062.8	950.1
20°	955.7	952.9	916.2	1048.7	1181.2	1313.7	1443.4	1403.9	1336.3	1122.0	905.0
22.5°	890.9	1074.1	1153.0	1136.1	1116.4	1065.6	1012.1	978.3	927.5	879.6	828.8
25°	983.9	907.8	969.8	1172.8	1372.9	1409.6	1446.2	1361.7	1251.7	1034.6	817.6
27.5°	941.6	1060.0	1138.9	1274.3	1406.8	1533.6	1660.5	1547.7	1403.9	1133.3	859.8
30°	1014.9	1079.7	1299.6	1553.4	1807.1	1852.2	1894.5	1739.4	1547.7	1274.3	1000.8
32.5°	1068.5	1240.4	1435.0	1632.3	1826.8	1860.6	1894.5	1719.7	1499.8	1198.1	896.5
35°	1136.1	1263.0	1440.6	1671.8	1902.9	1911.4	1917.0	1714.1	1466.0	1124.8	780.9
37.5°	1181.2	1325.0	1516.7	1762.0	2007.2	1990.3	1970.6	1739.4	1454.7	1074.1	693.5
40°	1282.7	1406.8	1612.6	1863.5	2114.4	2086.2	2058.0	1793.0	1457.5	1023.4	586.4
42.5°	1460.3	1508.3	1731.0	1998.8	2266.6	2235.6	2201.8	1886.0	1491.3	995.2	496.2
45°	1654.8	1677.4	1869.1	2173.6	2478.0	2438.6	2399.1	2029.8	1553.4	981.1	408.8
47.5°	1857.8	1852.2	2029.8	2399.1	2765.6	2681.0	2596.5	2198.9	1668.9	1009.3	349.6
50°	2069.3	2060.8	2232.8	2630.3	3027.8	2937.6	2847.4	2401.9	1801.4	1060.0	315.7
52.5°	2286.3	2306.1	2432.9	2847.4	3259.0	3177.2	3092.6	2621.8	1931.1	1116.4	301.7
55°	2545.7	2607.7	2658.5	3072.9	3487.3	3405.6	3321.0	2847.4	2111.6	1203.8	296.0
57.5°	2819.2	2900.9	2923.5	3301.2	3679.0	3625.4	3569.1	3061.6	2294.8	1305.3	312.9
60°	3092.6	3199.8	3281.5	3586.0	3887.6	3825.6	3763.6	3278.7	2466.8	1418.0	369.3
62.5°	3346.3	3495.8	3628.3	3851.0	4070.9	3997.6	3924.3	3467.6	2661.3	1573.1	482.1
65°	3664.9	3797.4	3941.2	4087.8	4231.6	4161.1	4090.6	3704.4	2920.7	1767.6	611.8
67.5°	4141.4	4180.8	4254.1	4344.3	4431.7	4389.4	4344.3	3994.8	3146.2	1880.4	611.8
70°	4961.7	4874.3	4764.4	4761.6	4755.9	4688.3	4617.8	4158.3	3160.3	1835.3	510.3
72.5°	5737.0	6035.8	5686.3	5432.5	5178.8	4880.0	4578.3	3938.4	2791.0	1598.5	406.0
75°	5573.5	6735.0	6565.8	5878.0	5190.1	4648.8	4107.5	3430.9	2297.6	1322.2	346.8
77.5°	4423.3	5942.8	6103.5	5472.0	4837.7	4104.7	3368.9	2652.8	1592.8	941.6	290.4
80°	2807.9	4443.0	4471.2	3884.8	3295.6	2509.1	1722.5	1155.9	766.8	499.0	231.2
82.5°	1691.5	2630.3	2289.2	1640.8	992.3	687.9	380.6	366.5	281.9	208.6	135.3
85°	952.9	1288.4	924.7	606.1	287.6	205.8	121.2	129.7	124.0	101.5	76.1
87.5°	188.9	222.7	152.2	87.4	22.6	22.6	19.7	19.7	14.1	14.1	11.3
90°	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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2196.1	2196.1	2196.1	2196.1	2196.1	2196.1	2196.1	2196.1	2196.1	2196.1	2196.1
2.5°	2167.9	2167.9	2162.3	2156.7	2153.8	2151.0	2066.4	1981.9	1925.5	1866.3	1852.2
5°	2012.9	1908.6	1829.6	1750.7	1733.8	1716.9	1714.1	1711.2	1702.8	1691.5	1688.7
7.5°	1590.0	1497.0	1561.8	1623.8	1612.6	1598.5	1590.0	1578.7	1559.0	1539.3	1440.6
10°	1223.5	1192.5	1192.5	1189.7	1167.1	1144.6	1195.3	1246.1	1302.5	1358.8	1353.2
12.5°	1043.1	1085.4	975.4	862.7	924.7	983.9	1040.3	1093.8	1122.0	1150.2	1062.8
15°	983.9	854.2	817.6	780.9	809.1	837.3	755.5	671.0	735.8	800.6	814.7
17.5°	882.4	814.7	778.1	738.6	631.5	521.5	558.2	594.8	592.0	589.2	575.1
20°	823.2	738.6	673.8	606.1	555.4	504.6	451.1	394.7	369.3	341.1	408.8
22.5°	783.7	738.6	603.3	468.0	428.5	389.0	346.8	301.7	318.6	332.7	343.9
25°	685.1	549.7	473.6	397.5	335.5	270.6	273.5	276.3	262.2	248.1	312.9
27.5°	693.5	524.4	406.0	287.6	265.0	239.6	225.5	208.6	231.2	250.9	256.5
30°	727.3	453.9	343.9	234.0	208.6	183.2	191.7	197.3	197.3	197.3	225.5
32.5°	645.6	394.7	293.2	188.9	174.8	157.9	160.7	160.7	174.8	188.9	203.0
35°	546.9	310.1	239.6	166.3	152.2	138.1	143.8	149.4	163.5	177.6	197.3
37.5°	470.8	245.3	197.3	149.4	141.0	132.5	135.3	138.1	152.2	163.5	180.4
40°	397.5	205.8	174.8	143.8	135.3	126.9	129.7	129.7	141.0	152.2	163.5
42.5°	343.9	188.9	166.3	141.0	132.5	121.2	124.0	124.0	132.5	141.0	149.4
45°	296.0	180.4	160.7	138.1	129.7	118.4	118.4	115.6	124.0	129.7	135.3
47.5°	265.0	177.6	157.9	138.1	126.9	112.8	109.9	107.1	115.6	121.2	129.7
50°	248.1	177.6	157.9	135.3	121.2	107.1	104.3	101.5	112.8	121.2	135.3
52.5°	242.4	180.4	157.9	135.3	118.4	101.5	101.5	101.5	121.2	141.0	146.6
55°	242.4	186.1	160.7	132.5	115.6	98.7	104.3	109.9	115.6	121.2	121.2
57.5°	248.1	183.2	155.1	126.9	115.6	101.5	98.7	95.9	98.7	101.5	101.5
60°	273.5	177.6	149.4	121.2	107.1	93.0	90.2	87.4	93.0	95.9	95.9
62.5°	329.8	174.8	149.4	121.2	104.3	87.4	87.4	84.6	87.4	90.2	93.0
65°	403.1	194.5	157.9	121.2	104.3	87.4	81.8	76.1	81.8	84.6	84.6
67.5°	420.1	228.4	183.2	135.3	109.9	84.6	78.9	73.3	78.9	81.8	81.8
70°	380.6	250.9	197.3	143.8	115.6	84.6	78.9	70.5	73.3	76.1	73.3
72.5°	327.0	245.3	194.5	141.0	112.8	81.8	76.1	67.7	70.5	70.5	67.7
75°	279.1	211.4	166.3	118.4	95.9	70.5	64.8	59.2	62.0	62.0	62.0
77.5°	234.0	174.8	135.3	93.0	76.1	56.4	53.6	50.7	53.6	56.4	53.6
80°	183.2	132.5	101.5	67.7	56.4	42.3	45.1	45.1	47.9	47.9	47.9
82.5°	107.1	78.9	64.8	47.9	39.5	31.0	33.8	36.6	39.5	39.5	39.5
85°	64.8	50.7	42.3	33.8	28.2	19.7	25.4	28.2	28.2	28.2	25.4
87.5°	11.3	11.3	11.3	11.3	8.5	5.6	11.3	14.1	14.1	14.1	11.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P560885

CATALOG NUMBER: SDL-PA1-70-730-U-SL3

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	2196.1	2196.1	2196.1	2196.1
2.5°	1835.3	1835.3	1832.5	1832.5
5°	1685.9	1680.2	1674.6	1680.2
7.5°	1341.9	1302.5	1263.0	1274.3
10°	1344.7	1341.9	1339.1	1336.3
12.5°	972.6	941.6	910.6	890.9
15°	826.0	817.6	806.3	806.3
17.5°	558.2	532.8	507.4	490.5
20°	476.4	490.5	501.8	507.4
22.5°	355.2	366.5	377.8	383.4
25°	374.9	403.1	428.5	431.3
27.5°	259.4	273.5	284.7	279.1
30°	253.7	262.2	270.6	270.6
32.5°	217.1	239.6	262.2	265.0
35°	217.1	228.4	239.6	242.4
37.5°	194.5	203.0	208.6	211.4
40°	174.8	180.4	183.2	183.2
42.5°	155.1	169.1	180.4	180.4
45°	138.1	174.8	211.4	222.7
47.5°	135.3	188.9	242.4	253.7
50°	146.6	197.3	245.3	250.9
52.5°	149.4	177.6	203.0	203.0
55°	118.4	132.5	143.8	141.0
57.5°	101.5	112.8	121.2	121.2
60°	95.9	109.9	121.2	124.0
62.5°	93.0	98.7	104.3	109.9
65°	84.6	84.6	84.6	84.6
67.5°	78.9	78.9	76.1	76.1
70°	70.5	70.5	70.5	70.5
72.5°	64.8	64.8	64.8	62.0
75°	59.2	59.2	56.4	56.4
77.5°	50.7	50.7	50.7	50.7
80°	45.1	45.1	42.3	42.3
82.5°	36.6	36.6	33.8	31.0
85°	22.6	22.6	19.7	16.9
87.5°	8.5	8.5	5.6	2.8
90°	0.0	0.0	0.0	0.0



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