

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: P559807

Luminaire Tested: **SDL-PA1-100-727-U-SL3**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559807
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-PA1-100-727-U-SL3
Description: Springdale
(1) 70 CRI, 2700K, 1200mA 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: 8583.9 lumens
Efficiency: N/A
Efficacy: 91.5 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): 93.8
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

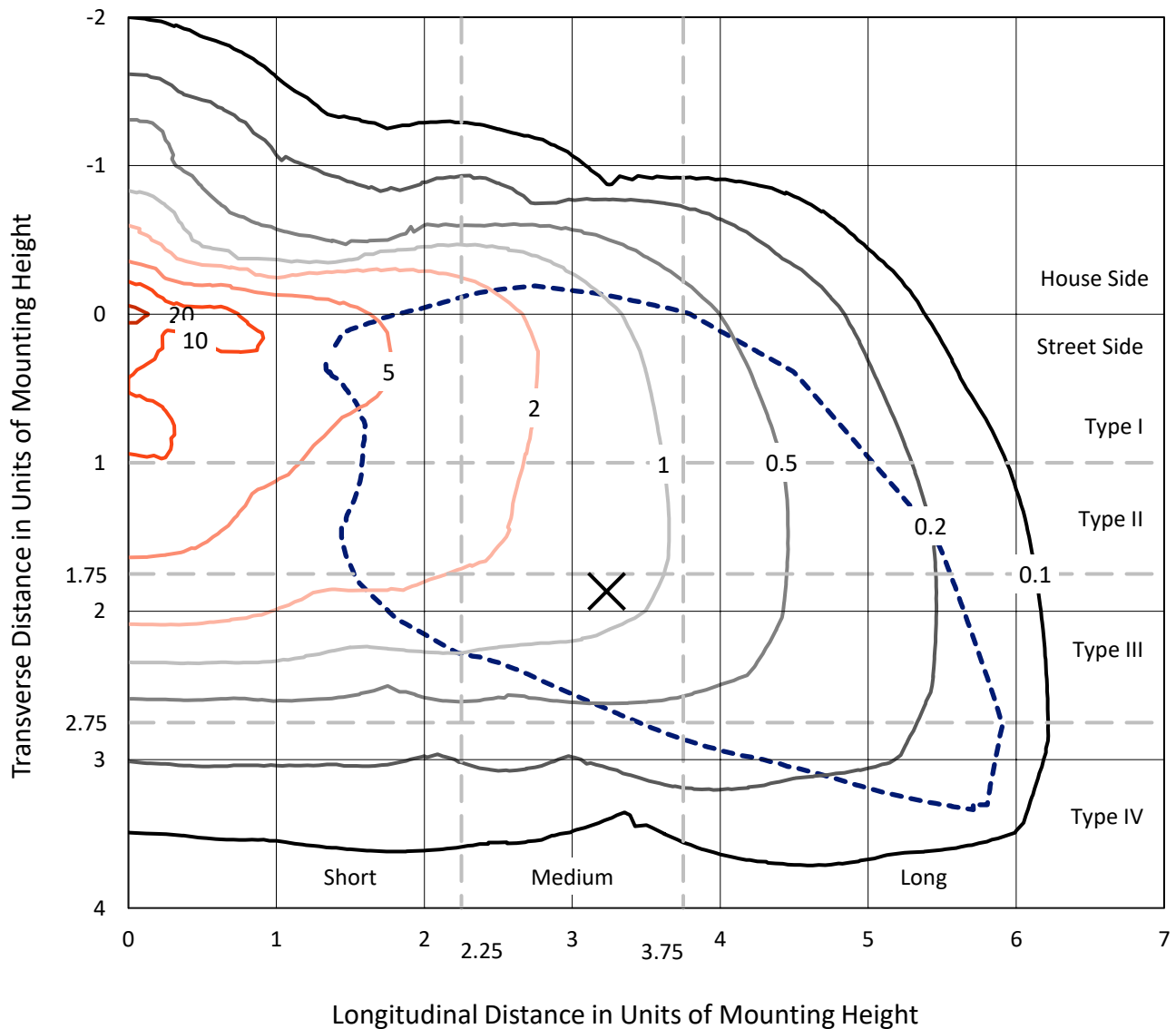


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

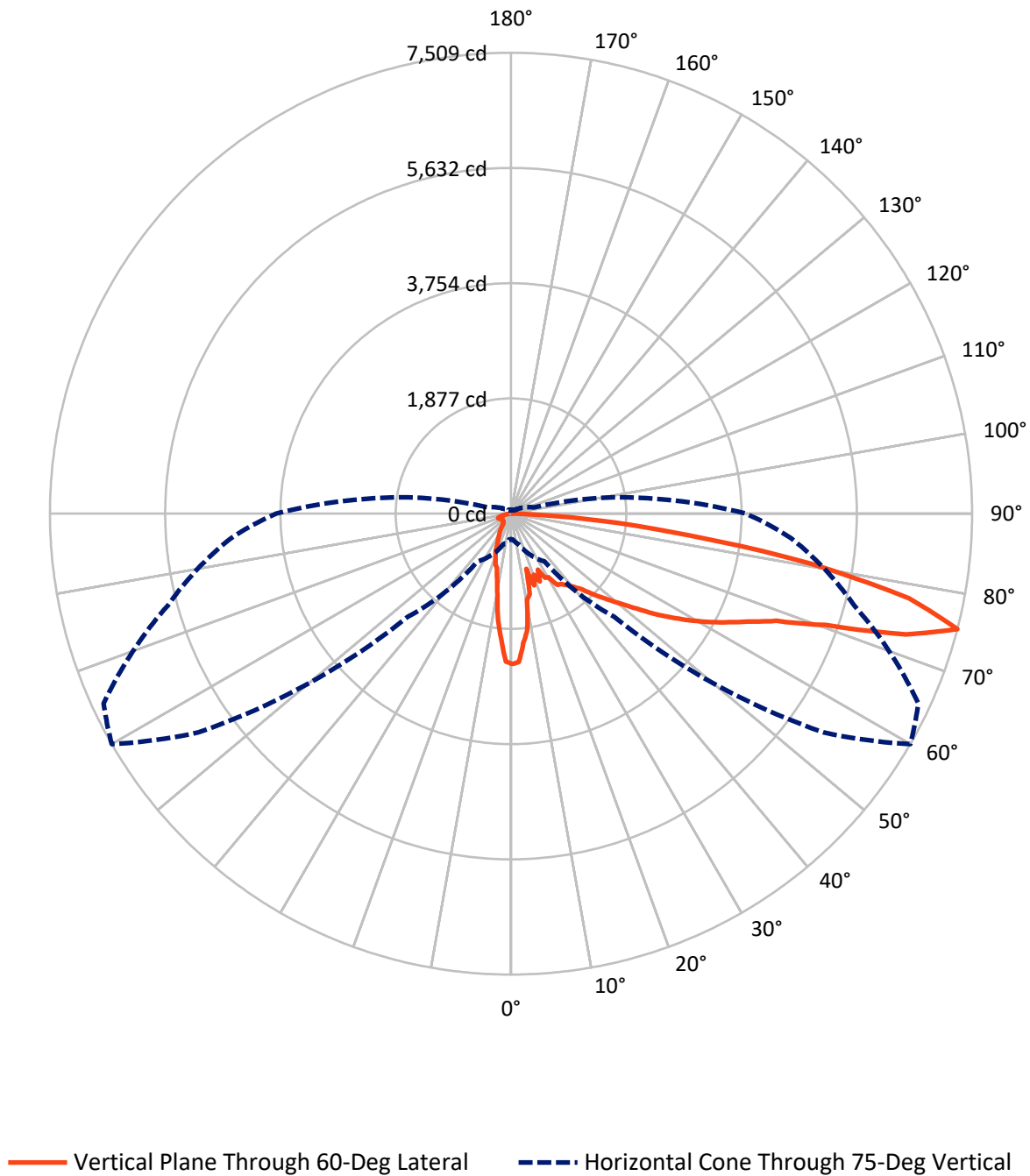


Based on 10 foot mounting height. Maximum calculated value = 24.5 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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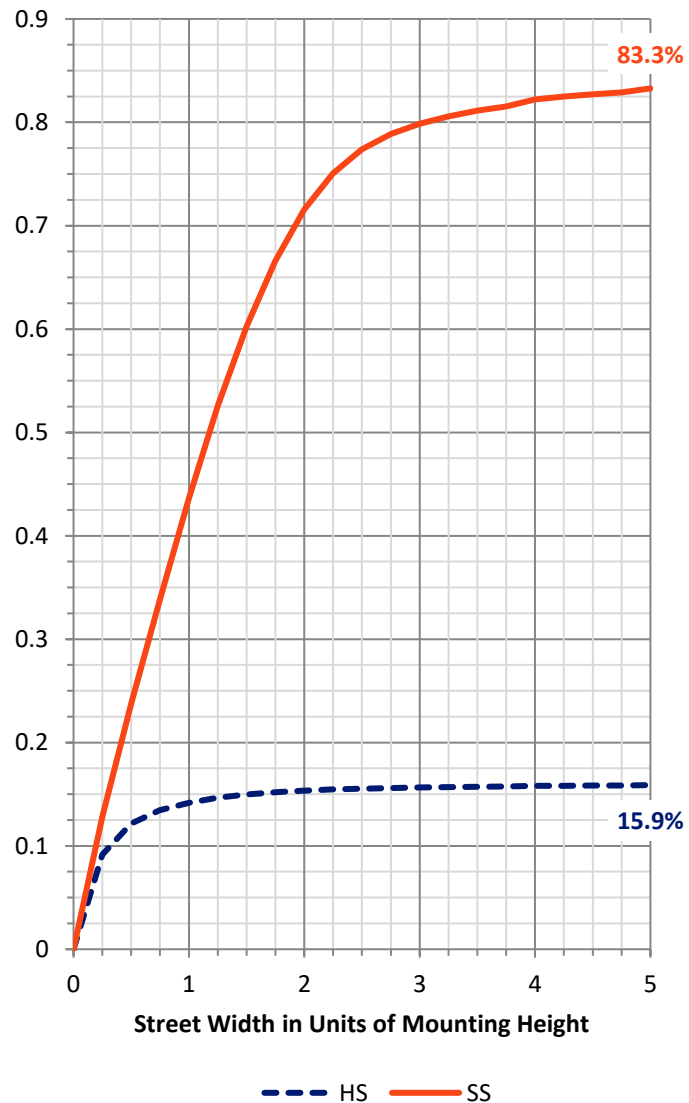
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1379.7	0.0	1379.7
	% Fixture	16.1	0.0	16.1
Street Side	Lumens	7204.2	0.0	7204.2
	% Fixture	83.9	0.0	83.9
Total	Lumens	8583.9	0.0	8583.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.6	2.1
10°-20°	322.3	3.8
20°-30°	422.2	4.9
30°-40°	696.6	8.1
40°-50°	1087.9	12.7
50°-60°	1656.2	19.3
60°-70°	2052.1	23.9
70°-80°	1812.9	21.1
80°-90°	355.4	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°	8583.9	100.0
0°-180°	8583.9	100.0

Coefficient of Utilization



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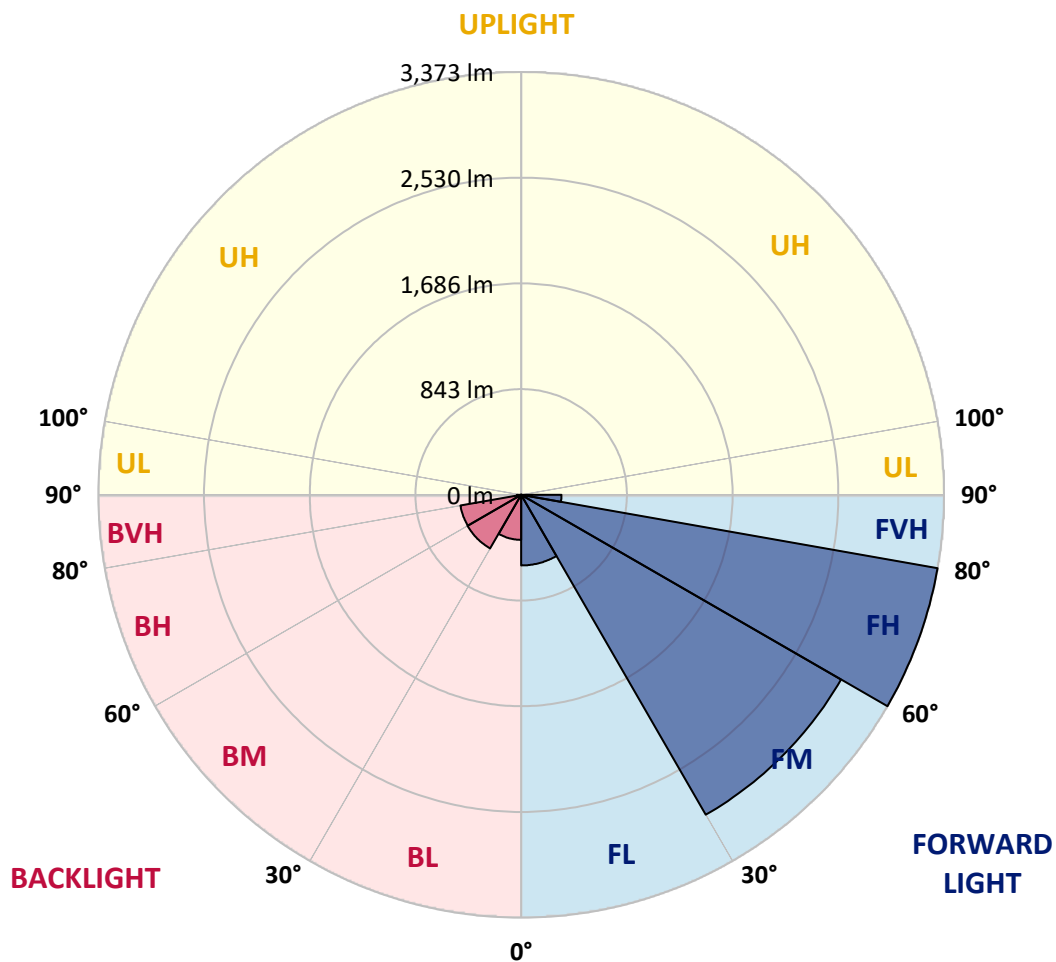
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	563.6	6.6			
FM	(30°-60°)	2946.3	34.3			
FH	(60°-80°)	3372.9	39.3			G2/5000
FVH	(80°-90°)	321.5	3.7			G3/500
BL	(0°-30°)	359.5	4.2	B1/500		
BM	(30°-60°)	494.4	5.8	B1/1000		
BH	(60°-80°)	492.0	5.7	B1/500		G1/500
BVH	(80°-90°)	33.9	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°	2448.5	2448.5	2448.5	2448.5	2448.5	2448.5	2448.5	2448.5	2448.5	2448.5	2448.5
2.5°	2033.6	2263.0	2209.6	2156.2	2237.9	2316.5	2341.6	2363.6	2376.2	2388.8	2401.3
5°	1889.0	1892.2	1895.3	1898.4	1907.9	1914.2	1926.7	1939.3	1951.9	1961.3	1973.9
7.5°	1458.4	1508.7	1590.4	1672.1	1722.4	1769.6	1797.9	1823.0	1841.9	1860.7	1879.6
10°	1621.8	1631.3	1634.4	1634.4	1650.1	1665.8	1546.4	1423.8	1483.5	1543.3	1477.3
12.5°	1273.0	1307.5	1411.3	1511.8	1543.3	1571.6	1515.0	1458.4	1370.4	1279.2	1273.0
15°	1461.5	1471.0	1474.1	1474.1	1376.7	1279.2	1213.2	1144.1	1197.5	1247.8	1131.5
17.5°	1131.5	1140.9	1222.7	1304.4	1320.1	1335.8	1266.7	1197.5	1043.5	886.4	1034.1
20°	1345.3	1351.5	1351.5	1351.5	1188.1	1024.7	1037.2	1046.7	1096.9	1147.2	1106.4
22.5°	1084.4	1084.4	1084.4	1084.4	1134.7	1181.8	1081.2	980.6	1037.2	1093.8	1043.5
25°	1364.1	1373.5	1351.5	1326.4	1175.5	1024.7	1071.8	1118.9	1034.1	949.2	1024.7
27.5°	1244.7	1235.2	1191.2	1144.1	1166.1	1188.1	1084.4	980.6	1046.7	1112.7	1081.2
30°	1653.3	1625.0	1577.8	1530.7	1351.5	1172.4	1144.1	1115.8	1059.2	999.5	1065.5
32.5°	2197.0	2124.7	1904.7	1684.7	1574.7	1464.7	1323.2	1181.8	1169.2	1153.5	1172.4
35°	2341.6	2294.5	2203.3	2109.0	1920.4	1728.7	1549.6	1367.3	1307.5	1244.7	1257.2
37.5°	2369.9	2354.2	2335.3	2313.3	2121.6	1929.9	1735.0	1540.1	1477.3	1411.3	1364.1
40°	2391.9	2404.5	2439.1	2470.5	2278.8	2083.9	1907.9	1728.7	1662.7	1593.6	1511.8
42.5°	2492.5	2527.1	2571.1	2611.9	2435.9	2259.9	2105.9	1951.9	1867.0	1782.1	1706.7
45°	2725.1	2743.9	2791.1	2835.1	2668.5	2498.8	2322.8	2143.6	2071.3	1999.0	1923.6
47.5°	3064.5	3096.0	3092.8	3089.7	2904.2	2715.6	2517.6	2316.5	2269.3	2219.0	2146.7
50°	3492.0	3470.0	3410.3	3350.6	3149.4	2945.1	2712.5	2476.8	2454.8	2429.6	2369.9
52.5°	3705.7	3690.0	3608.3	3523.4	3319.1	3114.8	2863.4	2608.8	2637.1	2665.4	2608.8
55°	3718.3	3708.9	3649.1	3589.4	3391.4	3193.4	2970.2	2747.1	2816.2	2885.4	2863.4
57.5°	3627.1	3630.3	3611.4	3589.4	3413.4	3237.4	3052.0	2866.5	2986.0	3102.2	3124.2
60°	3394.6	3441.7	3473.1	3504.6	3394.6	3284.5	3124.2	2964.0	3146.3	3328.6	3388.3
62.5°	2964.0	3004.8	3118.0	3228.0	3250.0	3268.8	3162.0	3052.0	3297.1	3539.1	3636.6
65°	2297.6	2354.2	2523.9	2693.6	2869.7	3045.7	3070.8	3096.0	3510.9	3925.7	4007.5
67.5°	1433.3	1464.7	1643.8	1819.9	2175.0	2527.1	2728.2	2929.4	3646.0	4359.5	4488.4
70°	757.5	804.6	892.6	977.5	1282.4	1587.3	1995.9	2404.5	3441.7	4478.9	5007.0
72.5°	575.2	594.0	641.2	688.3	795.2	902.1	1159.8	1417.5	2693.6	3966.6	5183.0
75°	414.9	430.6	480.9	528.0	634.9	738.6	845.5	949.2	1662.7	2376.2	4296.6
77.5°	242.0	248.3	273.5	295.5	462.0	628.6	744.9	858.1	1030.9	1200.7	3067.7
80°	166.6	169.7	179.2	188.6	260.9	333.2	556.3	779.5	858.1	933.5	2033.6
82.5°	110.0	125.7	132.0	138.3	163.4	188.6	326.9	462.0	678.9	892.6	1389.3
85°	56.6	62.9	75.4	84.9	97.4	106.9	147.7	185.4	562.6	936.6	999.5
87.5°	6.3	9.4	12.6	12.6	15.7	18.9	28.3	37.7	169.7	301.7	257.7
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°	2448.5	2448.5	2448.5	2448.5	2448.5	2448.5	2448.5	2448.5	2448.5	2448.5	2448.5
2.5°	2413.9	2420.2	2417.1	2423.3	2426.5	2429.6	2432.8	2432.8	2429.6	2423.3	2417.1
5°	1986.4	2112.2	2325.9	2347.9	2369.9	2376.2	2382.5	2385.6	2379.3	2369.9	2360.5
7.5°	1895.3	1914.2	1722.4	1876.4	2027.3	2039.9	2049.3	2043.0	2046.2	1961.3	1873.3
10°	1411.3	1427.0	1433.3	1480.4	1524.4	1628.1	1731.9	1716.1	1703.6	1552.7	1398.7
12.5°	1266.7	1348.4	1367.3	1288.7	1210.1	1317.0	1423.8	1411.3	1389.3	1251.0	1112.7
15°	1015.2	930.4	1112.7	1282.4	1449.0	1549.6	1647.0	1618.7	1593.6	1417.5	1238.4
17.5°	1178.7	1229.0	1169.2	1194.4	1219.5	1295.0	1367.3	1323.2	1307.5	1185.0	1059.2
20°	1065.5	1062.4	1021.5	1169.2	1317.0	1464.7	1609.3	1565.3	1489.8	1251.0	1008.9
22.5°	993.2	1197.5	1285.5	1266.7	1244.7	1188.1	1128.4	1090.7	1034.1	980.6	924.1
25°	1096.9	1012.1	1081.2	1307.5	1530.7	1571.6	1612.4	1518.1	1395.5	1153.5	911.5
27.5°	1049.8	1181.8	1269.8	1420.7	1568.4	1709.9	1851.3	1725.6	1565.3	1263.5	958.6
30°	1131.5	1203.8	1449.0	1731.9	2014.7	2065.0	2112.2	1939.3	1725.6	1420.7	1115.8
32.5°	1191.2	1383.0	1599.8	1819.9	2036.7	2074.5	2112.2	1917.3	1672.1	1335.8	999.5
35°	1266.7	1408.1	1606.1	1863.9	2121.6	2131.0	2137.3	1911.0	1634.4	1254.1	870.6
37.5°	1317.0	1477.3	1691.0	1964.4	2237.9	2219.0	2197.0	1939.3	1621.8	1197.5	773.2
40°	1430.1	1568.4	1797.9	2077.6	2357.3	2325.9	2294.5	1999.0	1625.0	1140.9	653.8
42.5°	1628.1	1681.6	1929.9	2228.5	2527.1	2492.5	2454.8	2102.7	1662.7	1109.5	553.2
45°	1845.0	1870.1	2083.9	2423.3	2762.8	2718.8	2674.8	2263.0	1731.9	1093.8	455.8
47.5°	2071.3	2065.0	2263.0	2674.8	3083.4	2989.1	2894.8	2451.6	1860.7	1125.2	389.7
50°	2307.0	2297.6	2489.3	2932.5	3375.7	3275.1	3174.5	2677.9	2008.4	1181.8	352.0
52.5°	2549.1	2571.1	2712.5	3174.5	3633.4	3542.3	3448.0	2923.1	2153.0	1244.7	336.3
55°	2838.2	2907.4	2964.0	3426.0	3888.0	3796.9	3702.6	3174.5	2354.2	1342.1	330.0
57.5°	3143.1	3234.3	3259.4	3680.6	4101.8	4042.0	3979.2	3413.4	2558.5	1455.3	348.9
60°	3448.0	3567.4	3658.6	3998.0	4334.3	4265.2	4196.0	3655.4	2750.2	1581.0	411.7
62.5°	3730.9	3897.5	4045.2	4293.5	4538.6	4456.9	4375.2	3866.0	2967.1	1753.9	537.5
65°	4086.0	4233.8	4394.1	4557.5	4717.8	4639.2	4560.7	4130.0	3256.3	1970.7	682.1
67.5°	4617.2	4661.2	4743.0	4843.5	4941.0	4893.8	4843.5	4453.8	3507.7	2096.5	682.1
70°	5531.9	5434.4	5311.9	5308.7	5302.4	5227.0	5148.4	4636.1	3523.4	2046.2	568.9
72.5°	6396.2	6729.4	6339.6	6056.8	5773.9	5440.7	5104.4	4390.9	3111.7	1782.1	452.6
75°	6213.9	7508.9	7320.3	6553.4	5786.5	5183.0	4579.5	3825.2	2561.6	1474.1	386.6
77.5°	4931.5	6625.7	6804.8	6100.8	5393.6	4576.4	3756.0	2957.7	1775.9	1049.8	323.7
80°	3130.5	4953.5	4985.0	4331.2	3674.3	2797.4	1920.4	1288.7	854.9	556.3	257.7
82.5°	1885.9	2932.5	2552.2	1829.3	1106.4	766.9	424.3	408.6	314.3	232.6	150.9
85°	1062.4	1436.4	1030.9	675.8	320.6	229.4	135.2	144.6	138.3	113.2	84.9
87.5°	210.6	248.3	169.7	97.4	25.1	25.1	22.0	22.0	15.7	15.7	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

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2448.5	2448.5	2448.5	2448.5	2448.5	2448.5	2448.5	2448.5	2448.5	2448.5	2448.5
2.5°	2417.1	2417.1	2410.8	2404.5	2401.3	2398.2	2303.9	2209.6	2146.7	2080.7	2065.0
5°	2244.2	2127.9	2039.9	1951.9	1933.0	1914.2	1911.0	1907.9	1898.4	1885.9	1882.7
7.5°	1772.7	1669.0	1741.3	1810.4	1797.9	1782.1	1772.7	1760.1	1738.1	1716.1	1606.1
10°	1364.1	1329.5	1329.5	1326.4	1301.2	1276.1	1332.7	1389.3	1452.1	1515.0	1508.7
12.5°	1163.0	1210.1	1087.5	961.8	1030.9	1096.9	1159.8	1219.5	1251.0	1282.4	1185.0
15°	1096.9	952.4	911.5	870.6	902.1	933.5	842.4	748.1	820.4	892.6	908.4
17.5°	983.8	908.4	867.5	823.5	704.1	581.5	622.3	663.2	660.1	656.9	641.2
20°	917.8	823.5	751.2	675.8	619.2	562.6	502.9	440.0	411.7	380.3	455.8
22.5°	873.8	823.5	672.6	521.8	477.8	433.7	386.6	336.3	355.2	370.9	383.5
25°	763.8	612.9	528.0	443.2	374.0	301.7	304.9	308.0	292.3	276.6	348.9
27.5°	773.2	584.6	452.6	320.6	295.5	267.2	251.4	232.6	257.7	279.7	286.0
30°	810.9	506.0	383.5	260.9	232.6	204.3	213.7	220.0	220.0	220.0	251.4
32.5°	719.8	440.0	326.9	210.6	194.9	176.0	179.2	179.2	194.9	210.6	226.3
35°	609.8	345.7	267.2	185.4	169.7	154.0	160.3	166.6	182.3	198.0	220.0
37.5°	524.9	273.5	220.0	166.6	157.2	147.7	150.9	154.0	169.7	182.3	201.2
40°	443.2	229.4	194.9	160.3	150.9	141.4	144.6	144.6	157.2	169.7	182.3
42.5°	383.5	210.6	185.4	157.2	147.7	135.2	138.3	138.3	147.7	157.2	166.6
45°	330.0	201.2	179.2	154.0	144.6	132.0	132.0	128.9	138.3	144.6	150.9
47.5°	295.5	198.0	176.0	154.0	141.4	125.7	122.6	119.4	128.9	135.2	144.6
50°	276.6	198.0	176.0	150.9	135.2	119.4	116.3	113.2	125.7	135.2	150.9
52.5°	270.3	201.2	176.0	150.9	132.0	113.2	113.2	113.2	135.2	157.2	163.4
55°	270.3	207.4	179.2	147.7	128.9	110.0	116.3	122.6	128.9	135.2	135.2
57.5°	276.6	204.3	172.9	141.4	128.9	113.2	110.0	106.9	110.0	113.2	113.2
60°	304.9	198.0	166.6	135.2	119.4	103.7	100.6	97.4	103.7	106.9	106.9
62.5°	367.7	194.9	166.6	135.2	116.3	97.4	97.4	94.3	97.4	100.6	103.7
65°	449.5	216.9	176.0	135.2	116.3	97.4	91.2	84.9	91.2	94.3	94.3
67.5°	468.3	254.6	204.3	150.9	122.6	94.3	88.0	81.7	88.0	91.2	91.2
70°	424.3	279.7	220.0	160.3	128.9	94.3	88.0	78.6	81.7	84.9	81.7
72.5°	364.6	273.5	216.9	157.2	125.7	91.2	84.9	75.4	78.6	78.6	75.4
75°	311.2	235.7	185.4	132.0	106.9	78.6	72.3	66.0	69.1	69.1	69.1
77.5°	260.9	194.9	150.9	103.7	84.9	62.9	59.7	56.6	59.7	62.9	59.7
80°	204.3	147.7	113.2	75.4	62.9	47.1	50.3	50.3	53.4	53.4	53.4
82.5°	119.4	88.0	72.3	53.4	44.0	34.6	37.7	40.9	44.0	44.0	44.0
85°	72.3	56.6	47.1	37.7	31.4	22.0	28.3	31.4	31.4	31.4	28.3
87.5°	12.6	12.6	12.6	12.6	9.4	6.3	12.6	15.7	15.7	15.7	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

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	2448.5	2448.5	2448.5	2448.5
2.5°	2046.2	2046.2	2043.0	2043.0
5°	1879.6	1873.3	1867.0	1873.3
7.5°	1496.1	1452.1	1408.1	1420.7
10°	1499.3	1496.1	1493.0	1489.8
12.5°	1084.4	1049.8	1015.2	993.2
15°	920.9	911.5	898.9	898.9
17.5°	622.3	594.0	565.8	546.9
20°	531.2	546.9	559.5	565.8
22.5°	396.0	408.6	421.2	427.5
25°	418.0	449.5	477.8	480.9
27.5°	289.2	304.9	317.5	311.2
30°	282.9	292.3	301.7	301.7
32.5°	242.0	267.2	292.3	295.5
35°	242.0	254.6	267.2	270.3
37.5°	216.9	226.3	232.6	235.7
40°	194.9	201.2	204.3	204.3
42.5°	172.9	188.6	201.2	201.2
45°	154.0	194.9	235.7	248.3
47.5°	150.9	210.6	270.3	282.9
50°	163.4	220.0	273.5	279.7
52.5°	166.6	198.0	226.3	226.3
55°	132.0	147.7	160.3	157.2
57.5°	113.2	125.7	135.2	135.2
60°	106.9	122.6	135.2	138.3
62.5°	103.7	110.0	116.3	122.6
65°	94.3	94.3	94.3	94.3
67.5°	88.0	88.0	84.9	84.9
70°	78.6	78.6	78.6	78.6
72.5°	72.3	72.3	72.3	69.1
75°	66.0	66.0	62.9	62.9
77.5°	56.6	56.6	56.6	56.6
80°	50.3	50.3	47.1	47.1
82.5°	40.9	40.9	37.7	34.6
85°	25.1	25.1	22.0	18.9
87.5°	9.4	9.4	6.3	3.1
90°	0.0	0.0	0.0	0.0

(END OF REPORT)