

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: P559938

Luminaire Tested: **SDL-PA1-100-830-U-SL3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559938
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-14)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-100-830-U-SL3-HSS
Description: Springdale
(1) 80 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6847 lumens
Efficiency: N/A
Efficacy: 73.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

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

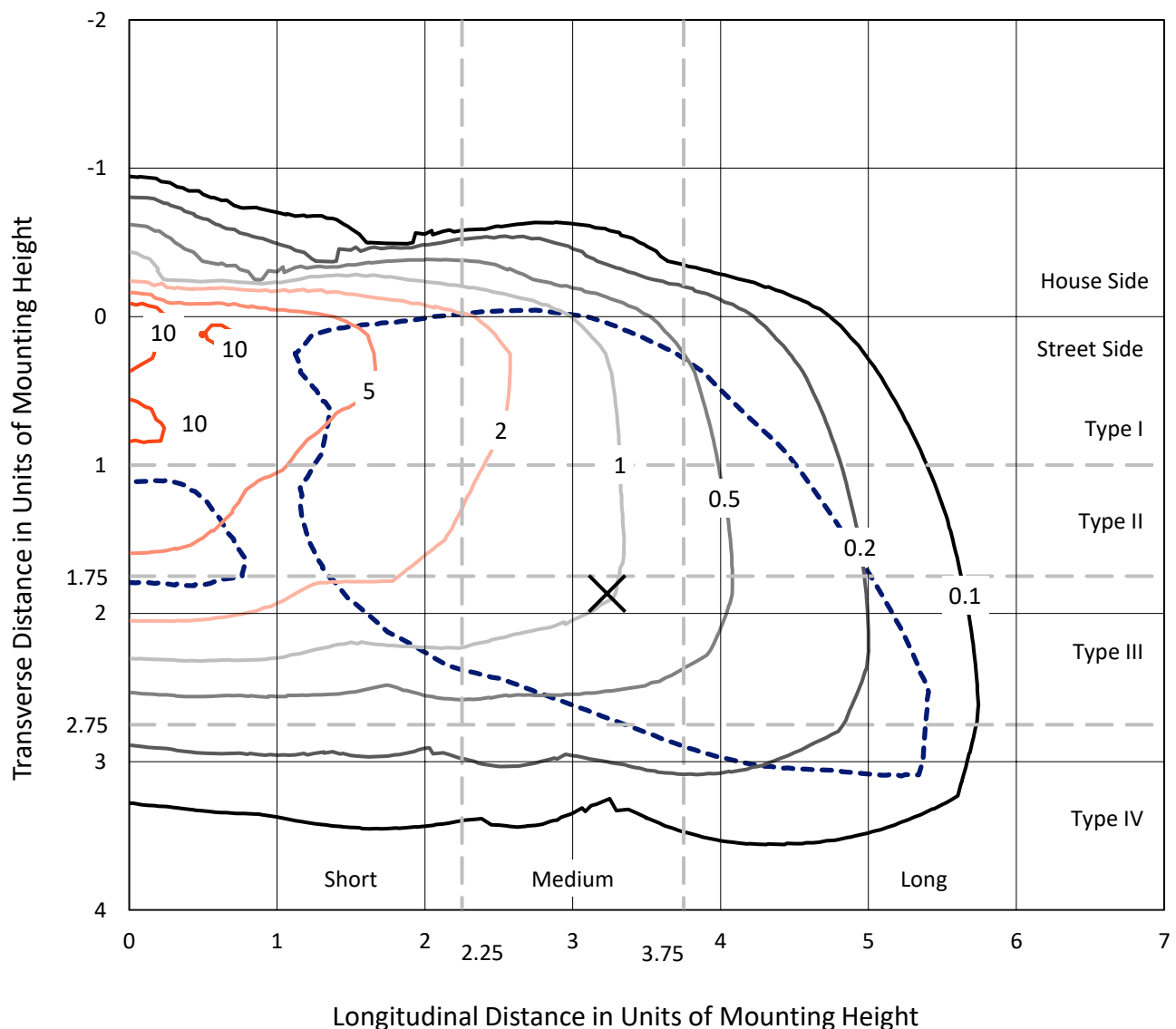


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

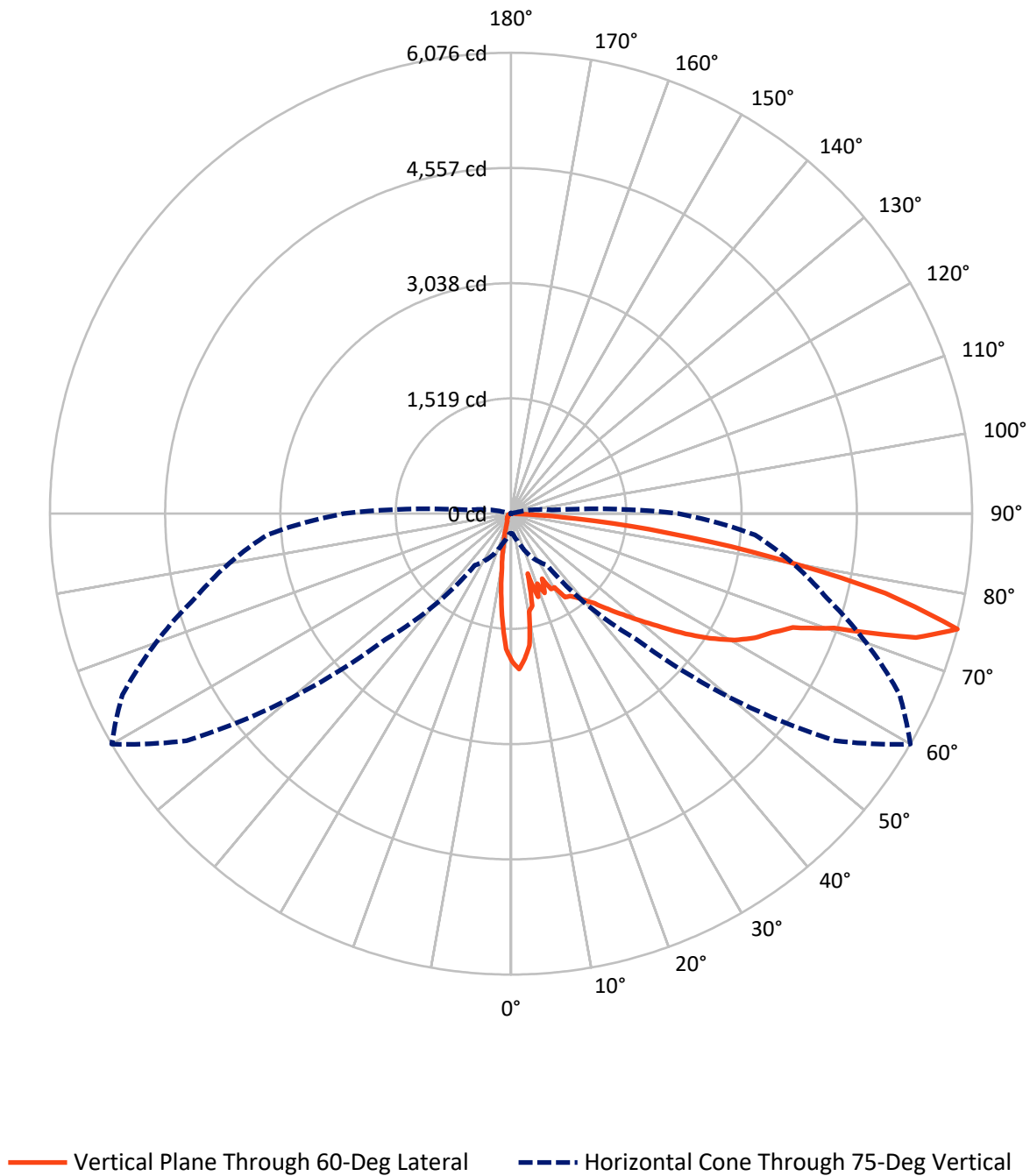


Based on 10 foot mounting height. Maximum calculated value = 19.5 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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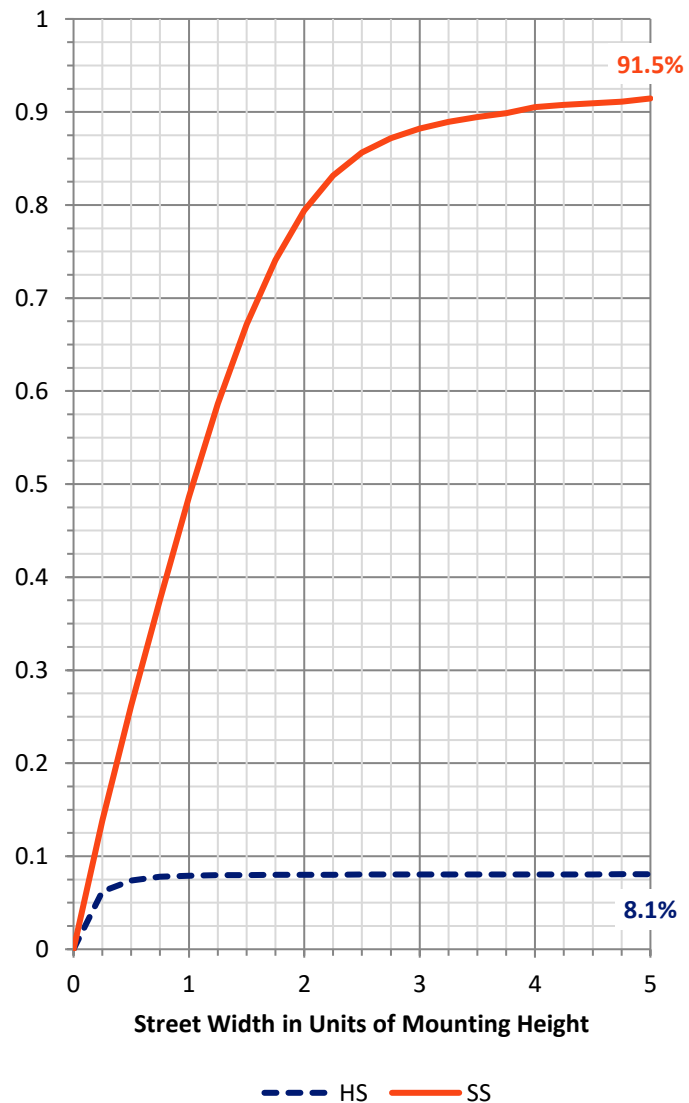
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	557.8	0.0	557.8
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	6289.2	0.0	6289.2
	% Fixture	91.9	0.0	91.9
Total	Lumens	6847.0	0.0	6847.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.0	2.0
10°-20°	224.0	3.3
20°-30°	321.0	4.7
30°-40°	571.5	8.3
40°-50°	940.6	13.7
50°-60°	1450.3	21.2
60°-70°	1690.3	24.7
70°-80°	1309.8	19.1
80°-90°	204.5	3.0
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°	6847.0	100.0
0°-180°	6847.0	100.0

Coefficient of Utilization



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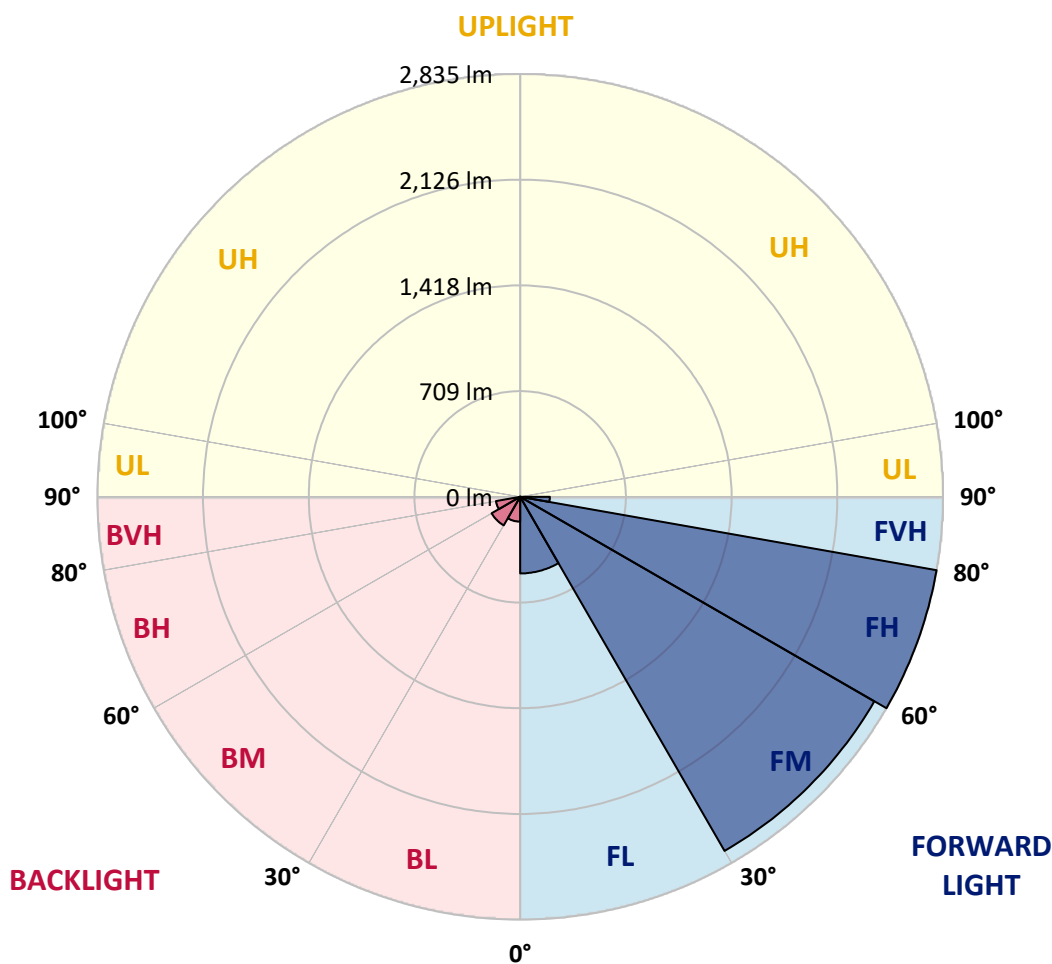
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	513.7	7.5			
FM	(30°-60°)	2741.5	40.0			
FH	(60°-80°)	2835.1	41.4			G2/5000
FVH	(80°-90°)	198.9	2.9			G2/225
BL	(0°-30°)	166.3	2.4	B1/500		
BM	(30°-60°)	220.9	3.2	B1/1000		
BH	(60°-80°)	165.0	2.4	B1/500		G1/500
BVH	(80°-90°)	5.6	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1951.1	1951.1	1951.1	1951.1	1951.1	1951.1	1951.1	1951.1	1951.1	1951.1	1951.1
2.5°	1823.2	1891.6	1933.3	1971.9	2022.5	2073.0	2076.0	2079.0	2079.0	2079.0	2076.0
5°	1760.8	1766.7	1766.7	1766.7	1775.6	1784.5	1790.5	1793.5	1796.4	1796.4	1793.5
7.5°	1377.1	1487.1	1555.5	1621.0	1638.8	1656.7	1680.4	1701.3	1719.1	1734.0	1745.9
10°	1525.8	1537.7	1537.7	1534.7	1549.6	1561.5	1445.5	1326.5	1374.1	1421.7	1362.2
12.5°	1177.8	1237.3	1311.6	1383.0	1430.6	1478.2	1424.7	1371.1	1287.8	1201.6	1195.6
15°	1377.1	1386.0	1389.0	1391.9	1311.6	1228.4	1130.2	1029.1	1097.5	1165.9	1067.8
17.5°	1058.8	1067.8	1151.0	1234.3	1243.2	1252.2	1189.7	1124.3	981.5	838.7	972.6
20°	1267.0	1273.0	1273.0	1273.0	1115.3	957.7	969.6	978.5	1023.1	1067.8	1035.0
22.5°	1020.2	1008.3	1014.2	1017.2	1064.8	1109.4	1017.2	922.0	990.4	1055.9	999.3
25°	1276.0	1278.9	1261.1	1240.3	1100.5	957.7	1008.3	1055.9	975.6	892.3	972.6
27.5°	1154.0	1142.1	1100.5	1058.8	1079.7	1100.5	1005.3	907.1	984.5	1058.8	1023.1
30°	1519.8	1513.9	1460.4	1403.8	1237.3	1067.8	1049.9	1029.1	984.5	936.9	999.3
32.5°	2028.4	1957.1	1757.8	1555.5	1451.4	1344.4	1213.5	1082.6	1097.5	1109.4	1118.3
35°	2141.5	2108.7	2022.5	1936.2	1775.6	1612.0	1433.6	1252.2	1210.5	1168.9	1192.7
37.5°	2171.2	2159.3	2147.4	2132.5	1942.2	1751.8	1573.4	1391.9	1359.2	1323.5	1296.8
40°	2200.9	2212.8	2248.5	2281.2	2102.8	1924.3	1757.8	1588.2	1549.6	1510.9	1442.5
42.5°	2319.9	2328.8	2382.4	2435.9	2263.4	2087.9	1942.2	1796.4	1739.9	1683.4	1621.0
45°	2572.7	2581.6	2611.4	2641.1	2480.5	2316.9	2156.3	1992.7	1948.1	1900.5	1829.2
47.5°	2923.7	2932.6	2917.7	2902.9	2718.5	2531.1	2340.7	2150.4	2135.5	2120.6	2046.3
50°	3325.2	3313.3	3233.0	3152.7	2950.5	2748.2	2525.1	2299.1	2311.0	2322.9	2269.3
52.5°	3509.6	3503.7	3411.5	3319.3	3111.1	2899.9	2667.9	2432.9	2474.6	2513.2	2483.5
55°	3497.7	3494.7	3432.3	3369.8	3173.5	2977.2	2760.1	2543.0	2638.2	2730.4	2712.5
57.5°	3366.8	3372.8	3363.9	3354.9	3182.4	3009.9	2834.5	2659.0	2801.7	2941.5	2965.3
60°	3161.6	3161.6	3206.2	3247.9	3146.8	3042.7	2896.9	2748.2	2944.5	3140.8	3200.3
62.5°	2733.3	2780.9	2876.1	2971.3	3004.0	3036.7	2917.7	2798.8	3069.4	3340.1	3426.3
65°	2105.8	2126.6	2299.1	2471.6	2632.2	2789.8	2798.8	2807.7	3221.1	3631.6	3661.3
67.5°	1222.4	1308.7	1499.0	1686.4	2001.7	2314.0	2474.6	2635.2	3286.5	3934.9	3967.6
70°	642.4	678.1	770.3	859.6	1142.1	1421.7	1820.2	2215.8	3134.9	4050.9	4336.5
72.5°	440.2	472.9	523.5	574.0	681.1	785.2	1070.7	1353.3	2495.4	3637.5	4523.8
75°	258.8	267.7	330.1	392.6	508.6	624.6	728.7	829.8	1588.2	2343.7	3780.3
77.5°	104.1	113.0	139.8	166.6	330.1	490.8	597.8	704.9	886.3	1067.8	2596.5
80°	56.5	56.5	68.4	77.3	148.7	217.1	401.5	585.9	675.2	764.4	1683.4
82.5°	32.7	32.7	41.6	47.6	74.4	101.1	229.0	356.9	526.4	693.0	1136.2
85°	11.9	11.9	14.9	17.8	35.7	50.6	83.3	113.0	327.2	538.3	654.3
87.5°	3.0	3.0	5.9	5.9	8.9	11.9	14.9	14.9	11.9	8.9	59.5
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°	1951.1	1951.1	1951.1	1951.1	1951.1	1951.1	1951.1	1951.1	1951.1	1951.1	1951.1
2.5°	2070.1	2052.2	2040.3	2019.5	1998.7	1980.8	1960.0	1933.3	1912.4	1885.7	1858.9
5°	1790.5	1915.4	2043.3	2031.4	2016.5	1974.9	1933.3	1885.7	1841.1	1787.5	1734.0
7.5°	1754.8	1751.8	1629.9	1692.3	1751.8	1704.2	1656.7	1603.1	1543.6	1439.5	1335.4
10°	1302.7	1311.6	1308.7	1323.5	1338.4	1377.1	1412.8	1335.4	1261.1	1097.5	930.9
12.5°	1189.7	1246.2	1261.1	1160.0	1058.8	1100.5	1142.1	1064.8	990.4	838.7	687.1
15°	966.6	820.9	1029.1	1165.9	1299.7	1320.6	1338.4	1237.3	1118.3	910.1	698.9
17.5°	1103.4	1154.0	1094.5	1097.5	1097.5	1100.5	1103.4	1011.2	892.3	734.6	577.0
20°	1002.3	987.4	993.4	1091.5	1189.7	1255.1	1317.6	1177.8	1026.1	782.2	535.4
22.5°	942.8	1136.2	1219.4	1177.8	1136.2	1032.1	925.0	817.9	693.0	571.1	446.1
25°	1049.9	948.8	1014.2	1174.8	1335.4	1335.4	1335.4	1151.0	945.8	684.1	422.3
27.5°	987.4	1127.2	1192.7	1320.6	1445.5	1499.0	1549.6	1314.6	1044.0	719.8	392.6
30°	1061.8	1127.2	1359.2	1615.0	1870.8	1826.2	1778.6	1478.2	1136.2	755.5	374.8
32.5°	1127.2	1311.6	1516.9	1710.2	1903.5	1853.0	1799.4	1466.3	1082.6	681.1	279.6
35°	1216.5	1335.4	1525.8	1760.8	1995.7	1918.4	1838.1	1472.3	1041.0	624.6	208.2
37.5°	1270.0	1400.9	1606.1	1853.0	2096.8	2001.7	1906.5	1499.0	1005.3	583.0	160.6
40°	1371.1	1502.0	1707.2	1966.0	2224.7	2114.7	2001.7	1546.6	984.5	559.2	133.8
42.5°	1558.5	1618.0	1847.0	2120.6	2394.3	2278.3	2159.3	1647.7	978.5	547.3	116.0
45°	1754.8	1793.5	1995.7	2302.1	2605.4	2486.5	2364.5	1772.7	999.3	556.2	110.0
47.5°	1969.0	1989.8	2174.2	2554.9	2935.6	2772.0	2608.4	1945.2	1044.0	574.0	104.1
50°	2215.8	2215.8	2394.3	2804.7	3215.2	3045.6	2876.1	2147.4	1100.5	600.8	101.1
52.5°	2450.8	2483.5	2620.3	3039.7	3459.0	3301.4	3140.8	2370.5	1174.8	636.5	95.2
55°	2691.7	2795.8	2846.4	3274.6	3702.9	3521.5	3340.1	2534.1	1219.4	654.3	89.2
57.5°	2989.1	3099.2	3125.9	3488.8	3851.6	3676.2	3497.7	2673.8	1252.2	669.2	86.3
60°	3259.8	3384.7	3438.2	3705.9	3970.6	3789.2	3607.8	2795.8	1281.9	681.1	77.3
62.5°	3509.6	3604.8	3688.1	3860.6	4033.1	3863.5	3691.0	2902.9	1299.7	684.1	68.4
65°	3691.0	3777.3	3896.3	3994.4	4092.6	3964.7	3836.8	3087.3	1350.3	701.9	50.6
67.5°	3997.4	4006.3	4074.7	4155.0	4235.3	4166.9	4098.5	3343.1	1409.8	725.7	38.7
70°	4619.0	4517.9	4428.7	4509.0	4586.3	4491.1	4395.9	3417.4	1273.0	651.4	29.7
72.5°	5410.2	5579.7	5148.4	4981.9	4812.3	4461.4	4107.4	2941.5	904.2	464.0	23.8
75°	5216.8	6076.4	5651.1	4981.9	4312.7	3771.3	3227.1	2206.9	556.2	288.5	17.8
77.5°	4122.3	5044.3	4892.6	4202.6	3509.6	2843.4	2177.1	1356.3	196.3	107.1	17.8
80°	2602.5	3488.8	3357.9	2730.4	2099.8	1493.1	886.3	413.4	74.4	47.6	20.8
82.5°	1579.3	2079.0	1632.9	1023.1	413.4	291.5	169.5	89.2	23.8	20.8	17.8
85°	767.4	859.6	562.1	324.2	83.3	77.3	68.4	44.6	11.9	11.9	8.9
87.5°	107.1	77.3	47.6	32.7	14.9	14.9	14.9	8.9	8.9	8.9	5.9
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°	1951.1	1951.1	1951.1	1951.1	1951.1	1951.1	1951.1	1951.1	1951.1	1951.1	1951.1
2.5°	1838.1	1814.3	1787.5	1760.8	1731.0	1701.3	1615.0	1525.8	1478.2	1427.6	1415.7
5°	1635.8	1537.7	1415.7	1290.8	1237.3	1183.7	1157.0	1127.2	1109.4	1088.6	1070.7
7.5°	1198.6	1058.8	1058.8	1055.9	1011.2	966.6	916.1	862.5	829.8	797.1	710.8
10°	856.6	779.3	725.7	672.2	651.4	630.5	565.1	496.7	502.6	505.6	487.8
12.5°	663.3	636.5	538.3	440.2	407.5	374.8	353.9	333.1	303.4	273.6	252.8
15°	568.1	437.2	362.9	288.5	255.8	220.1	190.4	157.6	148.7	136.8	151.7
17.5°	467.0	353.9	282.6	211.2	163.6	116.0	121.9	127.9	139.8	151.7	157.6
20°	401.5	267.7	205.2	142.8	127.9	113.0	119.0	121.9	119.0	113.0	130.9
22.5°	327.2	208.2	157.6	104.1	107.1	110.0	101.1	92.2	110.0	127.9	127.9
25°	279.6	136.8	121.9	107.1	98.2	89.2	101.1	110.0	104.1	98.2	113.0
27.5°	255.8	119.0	104.1	89.2	92.2	95.2	92.2	86.3	95.2	104.1	101.1
30°	243.9	110.0	101.1	89.2	86.3	80.3	83.3	83.3	80.3	77.3	86.3
32.5°	196.3	113.0	98.2	80.3	77.3	71.4	68.4	65.4	68.4	71.4	74.4
35°	157.6	104.1	92.2	77.3	71.4	65.4	62.5	56.5	56.5	56.5	59.5
37.5°	127.9	95.2	83.3	68.4	62.5	56.5	53.5	47.6	47.6	47.6	47.6
40°	113.0	89.2	77.3	62.5	56.5	47.6	44.6	38.7	38.7	35.7	35.7
42.5°	98.2	80.3	68.4	53.5	47.6	41.6	35.7	29.7	29.7	26.8	26.8
45°	92.2	74.4	62.5	50.6	41.6	32.7	29.7	23.8	23.8	20.8	20.8
47.5°	89.2	71.4	59.5	44.6	35.7	26.8	23.8	17.8	17.8	17.8	17.8
50°	83.3	65.4	53.5	38.7	32.7	23.8	20.8	14.9	14.9	14.9	14.9
52.5°	80.3	62.5	47.6	32.7	26.8	17.8	14.9	11.9	11.9	11.9	11.9
55°	77.3	65.4	47.6	29.7	23.8	14.9	11.9	8.9	8.9	8.9	8.9
57.5°	74.4	62.5	44.6	23.8	17.8	11.9	8.9	5.9	5.9	5.9	5.9
60°	65.4	53.5	35.7	17.8	14.9	8.9	5.9	3.0	5.9	5.9	5.9
62.5°	56.5	41.6	29.7	14.9	11.9	5.9	5.9	3.0	5.9	5.9	5.9
65°	41.6	32.7	23.8	11.9	8.9	3.0	3.0	3.0	5.9	5.9	5.9
67.5°	32.7	23.8	17.8	8.9	5.9	3.0	3.0	3.0	5.9	5.9	5.9
70°	23.8	17.8	11.9	5.9	5.9	3.0	3.0	3.0	5.9	5.9	5.9
72.5°	17.8	11.9	8.9	5.9	5.9	3.0	5.9	5.9	5.9	5.9	5.9
75°	14.9	11.9	8.9	5.9	5.9	3.0	5.9	5.9	8.9	8.9	8.9
77.5°	14.9	8.9	8.9	5.9	5.9	3.0	5.9	8.9	8.9	8.9	8.9
80°	14.9	8.9	8.9	5.9	5.9	3.0	5.9	8.9	8.9	8.9	8.9
82.5°	14.9	8.9	8.9	5.9	5.9	3.0	5.9	8.9	8.9	8.9	8.9
85°	8.9	8.9	8.9	8.9	5.9	3.0	8.9	11.9	11.9	8.9	8.9
87.5°	5.9	5.9	8.9	8.9	5.9	3.0	8.9	11.9	11.9	8.9	8.9
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°	1951.1	1951.1	1951.1	1951.1
2.5°	1400.9	1386.0	1368.2	1403.8
5°	1052.9	1041.0	1029.1	1049.9
7.5°	624.6	627.6	627.6	594.8
10°	467.0	440.2	410.4	410.4
12.5°	232.0	214.1	196.3	193.3
15°	166.6	169.5	172.5	172.5
17.5°	163.6	157.6	148.7	142.8
20°	145.7	151.7	154.7	154.7
22.5°	127.9	124.9	119.0	119.0
25°	127.9	130.9	133.8	133.8
27.5°	98.2	98.2	95.2	95.2
30°	95.2	95.2	95.2	95.2
32.5°	74.4	77.3	77.3	77.3
35°	62.5	62.5	62.5	62.5
37.5°	47.6	47.6	47.6	44.6
40°	35.7	35.7	35.7	35.7
42.5°	26.8	26.8	26.8	26.8
45°	20.8	20.8	20.8	20.8
47.5°	17.8	17.8	14.9	14.9
50°	11.9	11.9	11.9	11.9
52.5°	8.9	8.9	8.9	8.9
55°	5.9	5.9	5.9	5.9
57.5°	5.9	5.9	5.9	5.9
60°	3.0	3.0	3.0	3.0
62.5°	3.0	3.0	3.0	3.0
65°	3.0	3.0	3.0	3.0
67.5°	3.0	3.0	3.0	3.0
70°	3.0	3.0	3.0	3.0
72.5°	5.9	5.9	3.0	3.0
75°	5.9	5.9	3.0	3.0
77.5°	5.9	5.9	3.0	3.0
80°	5.9	5.9	3.0	3.0
82.5°	5.9	5.9	3.0	3.0
85°	5.9	5.9	5.9	3.0
87.5°	5.9	5.9	5.9	3.0
90°	0.0	0.0	0.0	0.0

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