

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: P561161

Luminaire Tested: **SDL-PA1-80-827-U-T3**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561161
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-4)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-80-827-U-T3
Description: Springdale
(1) 80 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6832.7 lumens
Efficiency: N/A
Efficacy: 83.3 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

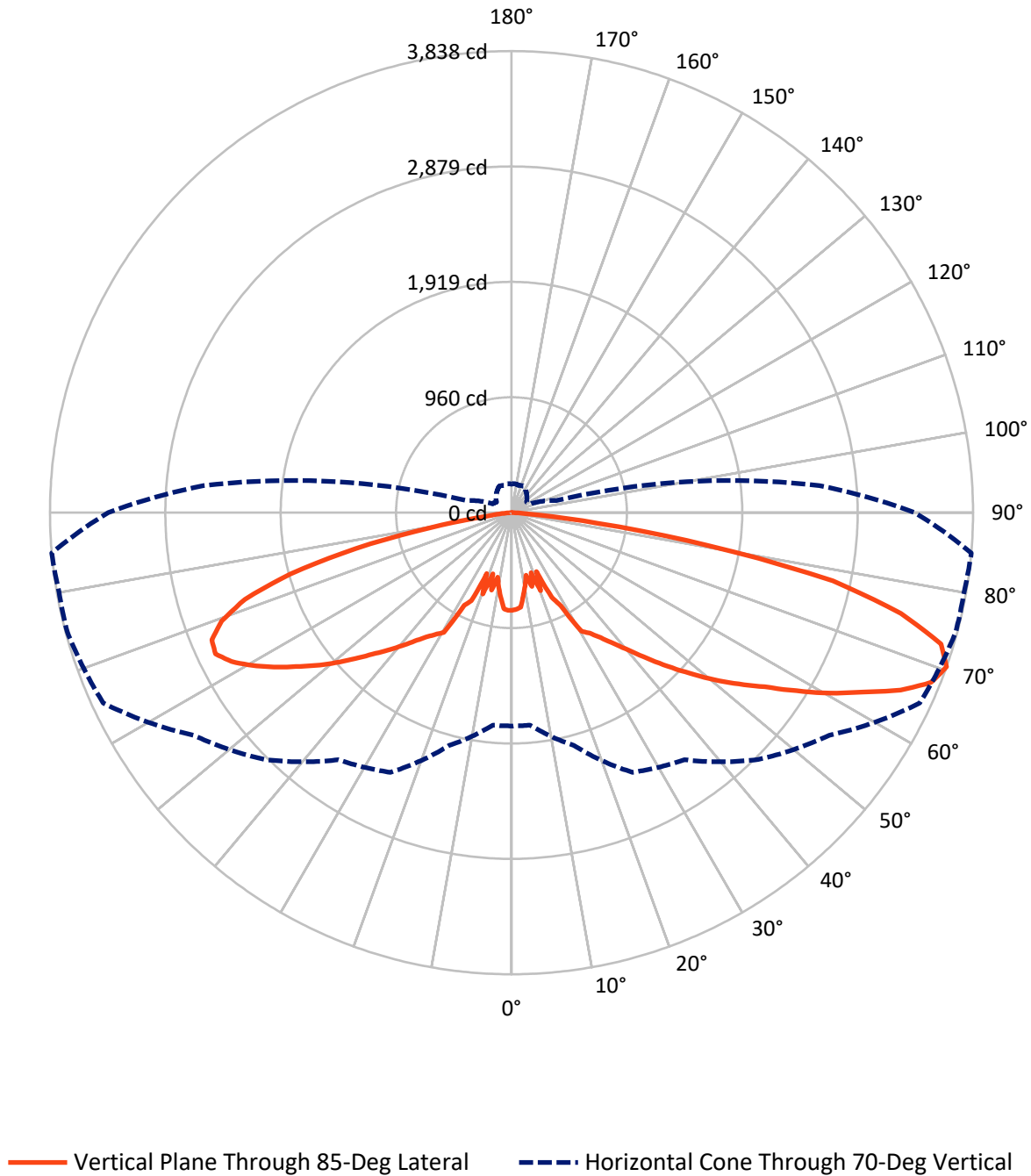
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot



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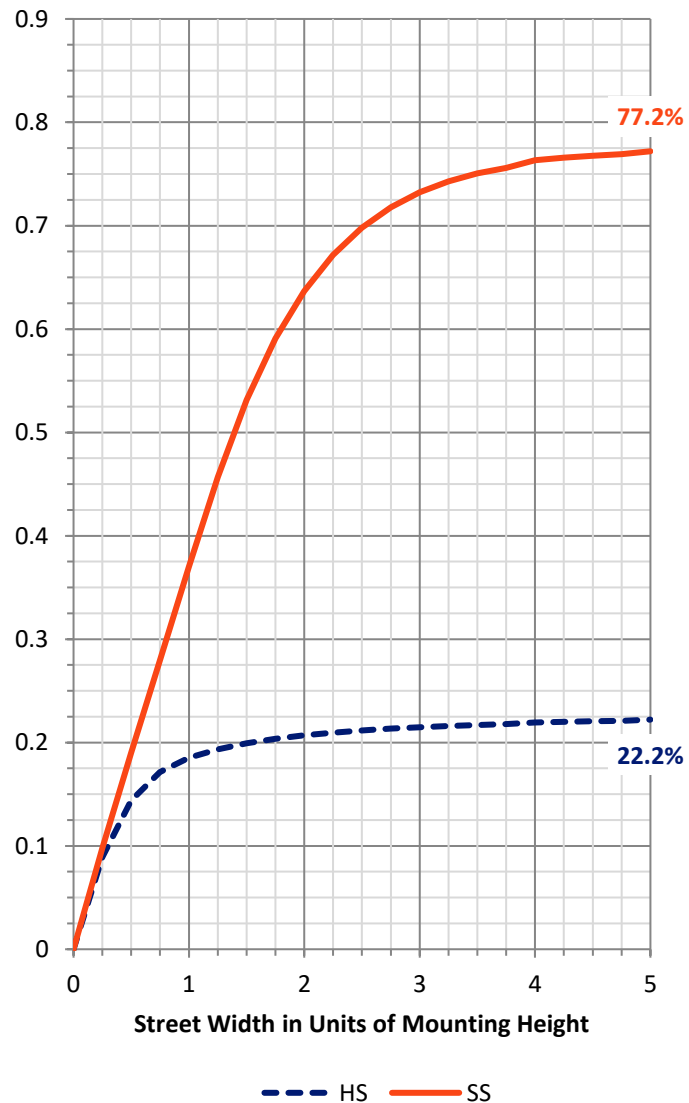
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1544.9	0.0	1544.9
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	5287.8	0.0	5287.8
	% Fixture	77.4	0.0	77.4
Total	Lumens	6832.7	0.0	6832.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.9	1.0
10°-20°	165.0	2.4
20°-30°	301.5	4.4
30°-40°	569.4	8.3
40°-50°	927.6	13.6
50°-60°	1431.0	20.9
60°-70°	1754.0	25.7
70°-80°	1373.6	20.1
80°-90°	244.6	3.6
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°	6832.7	100.0
0°-180°	6832.7	100.0

Coefficient of Utilization



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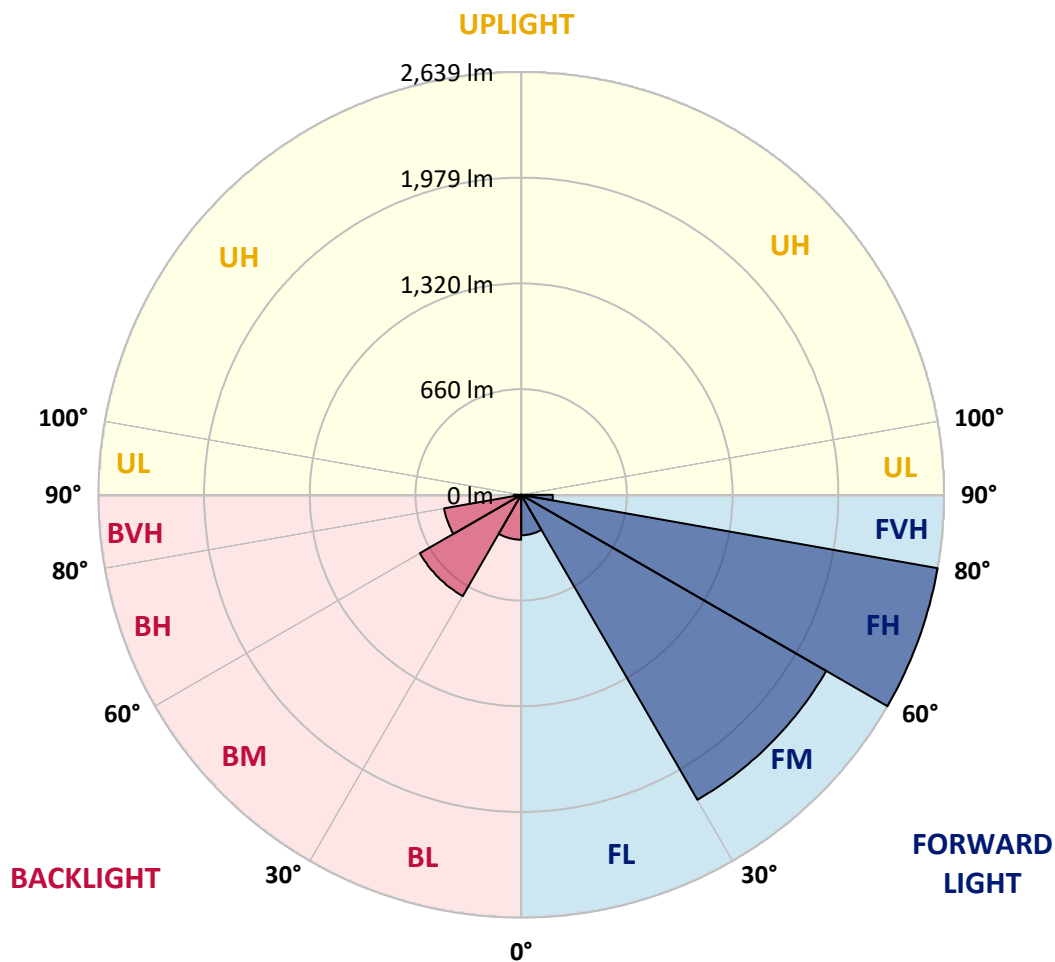
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	252.2	3.7			
FM	(30°-60°)	2198.2	32.2			
FH	(60°-80°)	2639.2	38.6			G2/5000
FVH	(80°-90°)	198.1	2.9			G2/225
BL	(0°-30°)	280.2	4.1	B1/500		
BM	(30°-60°)	729.8	10.7	B1/1000		
BH	(60°-80°)	488.4	7.1	B1/500		G1/500
BVH	(80°-90°)	46.5	0.7			G1/100
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°	811.6	811.6	811.6	811.6	811.6	811.6	811.6	811.6	811.6	811.6	811.6
2.5°	669.3	729.2	729.2	729.2	741.7	751.7	756.7	759.2	769.2	776.7	781.7
5°	624.3	626.8	626.8	626.8	629.3	631.8	634.3	636.8	641.8	644.3	651.8
7.5°	524.4	534.4	554.4	571.9	584.4	596.9	606.8	614.3	619.3	624.3	626.8
10°	584.4	584.4	584.4	584.4	584.4	584.4	554.4	524.4	526.9	526.9	511.9
12.5°	489.5	504.5	526.9	546.9	564.4	579.4	559.4	539.4	502.0	464.5	464.5
15°	566.9	566.9	564.4	561.9	529.4	497.0	467.0	437.0	457.0	477.0	442.0
17.5°	487.0	489.5	519.4	546.9	541.9	534.4	506.9	477.0	429.5	379.6	429.5
20°	624.3	616.8	601.8	586.9	516.9	447.0	459.5	472.0	484.5	494.5	494.5
22.5°	574.4	579.4	589.4	599.3	591.9	581.9	509.4	437.0	479.5	521.9	484.5
25°	786.6	786.6	756.7	726.7	651.8	574.4	586.9	596.9	524.4	449.5	511.9
27.5°	726.7	721.7	709.2	694.2	709.2	721.7	656.8	589.4	609.3	629.3	576.9
30°	966.5	966.5	954.0	941.5	834.1	724.2	716.7	706.7	664.3	619.3	649.3
32.5°	1158.7	1156.2	1098.8	1041.4	981.4	919.0	854.1	786.6	781.7	776.7	771.7
35°	1388.5	1388.5	1356.0	1323.6	1191.2	1056.4	978.9	901.5	879.0	856.6	874.1
37.5°	1518.4	1535.8	1523.3	1508.4	1363.5	1216.2	1108.8	998.9	976.4	954.0	961.5
40°	1698.2	1693.2	1690.7	1685.7	1518.4	1351.0	1236.2	1118.8	1103.8	1088.8	1088.8
42.5°	1970.4	1942.9	1912.9	1880.5	1710.6	1540.8	1413.5	1283.6	1256.1	1226.2	1228.7
45°	2345.0	2315.0	2245.1	2172.6	2000.3	1828.0	1658.2	1488.4	1440.9	1391.0	1386.0
47.5°	2574.7	2542.2	2507.3	2469.8	2285.0	2100.2	1925.4	1748.1	1678.2	1608.3	1580.8
50°	2811.9	2782.0	2754.5	2727.0	2564.7	2402.4	2227.6	2052.8	1942.9	1833.0	1785.6
52.5°	3036.7	2981.8	2954.3	2926.8	2789.5	2649.6	2467.3	2285.0	2202.6	2120.2	2017.8
55°	3146.6	3079.2	3069.2	3056.7	2954.3	2849.4	2674.6	2499.8	2407.4	2312.5	2210.1
57.5°	2991.8	2996.7	3051.7	3106.6	3049.2	2991.8	2826.9	2662.1	2569.7	2477.3	2399.9
60°	2851.9	2889.4	2956.8	3024.2	3029.2	3031.7	2944.3	2856.9	2754.5	2652.1	2592.2
62.5°	2659.6	2687.1	2792.0	2894.4	2971.8	3046.7	2956.8	2866.9	2831.9	2794.5	2757.0
65°	2399.9	2407.4	2527.3	2644.6	2784.5	2921.8	2851.9	2782.0	2841.9	2899.4	2904.3
67.5°	2082.7	2105.2	2222.6	2340.0	2509.8	2677.1	2674.6	2672.1	2799.5	2924.3	3011.7
70°	1773.1	1773.1	1888.0	2002.8	2192.6	2382.4	2444.8	2507.3	2704.6	2901.8	3064.2
72.5°	1336.0	1398.5	1458.4	1518.4	1730.6	1940.4	2077.7	2215.1	2509.8	2802.0	3049.2
75°	736.7	741.7	794.1	846.6	1058.9	1271.1	1478.4	1685.7	2080.2	2474.8	2864.4
77.5°	242.2	234.7	264.7	292.2	417.0	539.4	714.2	889.0	1323.6	1758.1	2384.9
80°	134.9	137.4	147.3	157.3	197.3	234.7	319.7	404.6	589.4	771.7	1515.9
82.5°	89.9	92.4	102.4	112.4	129.9	147.3	194.8	239.7	257.2	272.2	684.3
85°	57.4	59.9	64.9	69.9	74.9	77.4	109.9	142.3	129.9	117.4	204.8
87.5°	12.5	12.5	15.0	15.0	17.5	20.0	25.0	30.0	27.5	22.5	30.0
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°	811.6	811.6	811.6	811.6	811.6	811.6	811.6	811.6	811.6	811.6	811.6
2.5°	784.1	789.1	791.6	794.1	796.6	801.6	804.1	806.6	811.6	814.1	814.1
5°	659.3	704.2	746.7	761.7	776.7	784.1	789.1	796.6	801.6	806.6	811.6
7.5°	629.3	631.8	634.3	651.8	669.3	684.3	699.2	704.2	716.7	709.2	699.2
10°	494.5	497.0	497.0	514.4	531.9	584.4	619.3	626.8	634.3	604.3	571.9
12.5°	462.0	474.5	487.0	479.5	472.0	509.4	534.4	544.4	549.4	529.4	509.4
15°	404.6	417.0	427.0	484.5	541.9	591.9	636.8	649.3	664.3	631.8	596.9
17.5°	479.5	474.5	467.0	477.0	487.0	499.5	524.4	531.9	531.9	541.9	551.9
20°	494.5	439.5	384.6	487.0	589.4	634.3	691.7	711.7	716.7	689.3	661.8
22.5°	444.5	506.9	569.4	556.9	544.4	531.9	531.9	539.4	546.9	551.9	556.9
25°	571.9	519.4	467.0	586.9	706.7	754.2	781.7	794.1	804.1	769.2	731.7
27.5°	524.4	594.4	661.8	714.2	766.7	819.1	876.5	931.5	864.1	831.6	799.1
30°	676.8	734.2	791.6	916.5	1041.4	1108.8	1143.8	1143.8	1143.8	1096.3	1046.4
32.5°	766.7	866.6	966.5	1033.9	1098.8	1166.2	1193.7	1193.7	1193.7	1136.3	1076.3
35°	889.0	968.9	1048.9	1126.3	1203.7	1256.1	1276.1	1268.6	1253.6	1176.2	1098.8
37.5°	968.9	1076.3	1183.7	1263.6	1341.0	1373.5	1381.0	1358.5	1336.0	1233.7	1128.8
40°	1088.8	1206.2	1321.1	1406.0	1490.9	1518.4	1503.4	1473.4	1433.4	1296.1	1158.7
42.5°	1228.7	1346.0	1463.4	1563.3	1660.7	1678.2	1655.7	1608.3	1538.3	1351.0	1161.2
45°	1381.0	1498.4	1613.2	1725.6	1838.0	1850.5	1820.5	1750.6	1648.2	1403.5	1158.7
47.5°	1550.8	1643.2	1735.6	1895.4	2055.3	2040.3	1995.3	1915.4	1780.6	1465.9	1148.8
50°	1738.1	1810.5	1880.5	2080.2	2280.0	2235.1	2185.1	2097.7	1920.4	1538.3	1153.7
52.5°	1912.9	1982.8	2052.8	2260.0	2464.8	2422.4	2367.4	2290.0	2062.8	1615.7	1166.2
55°	2107.7	2182.6	2257.5	2477.3	2697.1	2624.7	2554.7	2504.8	2202.6	1680.7	1158.7
57.5°	2320.0	2414.9	2509.8	2712.1	2911.8	2834.4	2794.5	2729.5	2357.4	1758.1	1158.7
60°	2532.3	2647.1	2762.0	2939.3	3116.6	3054.2	3046.7	2956.8	2502.3	1815.5	1126.3
62.5°	2719.5	2891.9	3064.2	3204.0	3341.4	3281.4	3283.9	3179.0	2637.1	1828.0	1016.4
65°	2909.3	3131.6	3351.4	3453.8	3556.1	3513.7	3556.1	3368.8	2727.0	1778.1	829.1
67.5°	3096.6	3341.4	3586.1	3663.5	3740.9	3716.0	3765.9	3431.3	2707.1	1648.2	586.9
70°	3226.5	3486.2	3745.9	3785.9	3825.8	3820.9	3838.3	3353.9	2572.2	1480.9	387.1
72.5°	3296.4	3541.2	3783.4	3800.9	3815.9	3808.4	3735.9	3111.6	2330.0	1298.6	267.2
75°	3251.5	3488.7	3726.0	3691.0	3656.0	3586.1	3343.9	2679.6	1910.4	1053.9	197.3
77.5°	3011.7	3269.0	3526.2	3436.3	3343.9	3139.1	2732.0	2007.8	1328.6	741.7	152.3
80°	2260.0	2577.2	2894.4	2787.0	2677.1	2245.1	1663.2	1123.8	686.8	402.1	117.4
82.5°	1093.8	1271.1	1448.4	1421.0	1393.5	1031.4	719.2	404.6	197.3	144.8	92.4
85°	289.7	429.5	569.4	544.4	519.4	274.7	119.9	104.9	77.4	72.4	64.9
87.5°	35.0	40.0	42.5	30.0	15.0	12.5	12.5	7.5	7.5	10.0	10.0
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°	811.6	811.6	811.6	811.6	811.6	811.6	811.6	811.6	811.6	811.6	811.6
2.5°	819.1	821.6	821.6	821.6	821.6	821.6	801.6	781.7	776.7	771.7	761.7
5°	789.1	764.2	746.7	729.2	729.2	726.7	734.2	741.7	746.7	749.2	751.7
7.5°	701.7	704.2	719.2	731.7	744.2	754.2	761.7	766.7	761.7	754.2	724.2
10°	574.4	576.9	589.4	599.3	616.8	631.8	674.3	714.2	761.7	809.1	821.6
12.5°	546.9	581.9	561.9	541.9	596.9	649.3	704.2	756.7	794.1	829.1	804.1
15°	556.9	516.9	524.4	531.9	599.3	666.8	626.8	584.4	684.3	784.1	806.6
17.5°	554.4	554.4	591.9	629.3	566.9	502.0	594.4	684.3	724.2	761.7	731.7
20°	591.9	519.4	546.9	571.9	621.8	669.3	629.3	589.4	604.3	619.3	716.7
22.5°	616.8	674.3	611.8	546.9	591.9	636.8	629.3	621.8	666.8	711.7	686.8
25°	644.3	554.4	599.3	641.8	591.9	539.4	579.4	616.8	604.3	591.9	669.3
27.5°	739.2	676.8	619.3	561.9	591.9	619.3	589.4	556.9	569.4	581.9	576.9
30°	894.0	739.2	666.8	594.4	556.9	516.9	519.4	521.9	536.9	551.9	594.4
32.5°	934.0	791.6	686.8	581.9	556.9	531.9	509.4	484.5	506.9	529.4	579.4
35°	944.0	786.6	674.3	561.9	521.9	482.0	467.0	452.0	489.5	526.9	571.9
37.5°	939.0	746.7	626.8	506.9	477.0	447.0	439.5	429.5	454.5	477.0	509.4
40°	926.5	694.2	574.4	454.5	429.5	404.6	399.6	394.6	412.1	429.5	449.5
42.5°	904.0	644.3	524.4	404.6	387.1	369.6	364.6	357.1	372.1	387.1	394.6
45°	876.5	594.4	482.0	367.1	354.6	339.6	332.1	322.2	337.1	349.6	352.1
47.5°	849.1	546.9	444.5	339.6	329.6	317.2	309.7	299.7	312.2	322.2	324.6
50°	826.6	497.0	404.6	312.2	302.2	292.2	284.7	277.2	289.7	299.7	299.7
52.5°	814.1	459.5	369.6	279.7	274.7	269.7	267.2	262.2	272.2	282.2	284.7
55°	784.1	407.1	329.6	249.7	252.2	252.2	249.7	244.7	264.7	282.2	289.7
57.5°	751.7	344.6	287.2	227.3	232.2	237.2	239.7	242.2	264.7	284.7	294.7
60°	709.2	292.2	249.7	207.3	214.8	219.8	232.2	242.2	262.2	282.2	287.2
62.5°	634.3	249.7	219.8	189.8	199.8	209.8	224.8	239.7	254.7	269.7	269.7
65°	524.4	217.3	197.3	174.8	189.8	202.3	219.8	237.2	249.7	259.7	257.2
67.5°	392.1	194.8	179.8	162.3	179.8	194.8	209.8	224.8	239.7	254.7	249.7
70°	282.2	174.8	164.8	152.3	167.3	182.3	197.3	212.3	227.3	242.2	239.7
72.5°	214.8	159.8	149.8	139.8	154.8	167.3	184.8	202.3	217.3	232.2	227.3
75°	172.3	144.8	137.4	127.4	142.3	157.3	174.8	189.8	204.8	219.8	214.8
77.5°	142.3	129.9	122.4	114.9	127.4	139.8	157.3	174.8	189.8	202.3	197.3
80°	114.9	109.9	104.9	97.4	112.4	124.9	142.3	157.3	169.8	182.3	174.8
82.5°	89.9	87.4	84.9	79.9	92.4	104.9	122.4	139.8	149.8	159.8	154.8
85°	67.4	67.4	64.9	62.4	72.4	79.9	89.9	97.4	107.4	114.9	109.9
87.5°	10.0	10.0	15.0	17.5	17.5	17.5	25.0	32.5	32.5	30.0	25.0
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°	811.6	811.6	811.6	811.6
2.5°	751.7	751.7	751.7	754.2
5°	754.2	756.7	756.7	761.7
7.5°	691.7	689.3	686.8	686.8
10°	831.6	836.6	839.1	844.1
12.5°	776.7	746.7	716.7	716.7
15°	829.1	834.1	836.6	841.6
17.5°	701.7	699.2	696.7	691.7
20°	811.6	816.6	819.1	819.1
22.5°	661.8	661.8	659.3	659.3
25°	746.7	746.7	746.7	751.7
27.5°	569.4	586.9	604.3	626.8
30°	636.8	639.3	641.8	641.8
32.5°	629.3	661.8	694.2	699.2
35°	616.8	616.8	614.3	616.8
37.5°	541.9	534.4	524.4	529.4
40°	467.0	449.5	432.0	429.5
42.5°	402.1	387.1	369.6	369.6
45°	354.6	344.6	332.1	327.1
47.5°	324.6	314.7	304.7	302.2
50°	297.2	287.2	277.2	277.2
52.5°	287.2	279.7	269.7	267.2
55°	297.2	282.2	267.2	262.2
57.5°	302.2	284.7	267.2	259.7
60°	289.7	279.7	267.2	257.2
62.5°	267.2	262.2	257.2	252.2
65°	252.2	252.2	249.7	244.7
67.5°	244.7	247.2	247.2	242.2
70°	234.7	239.7	242.2	237.2
72.5°	222.3	224.8	224.8	217.3
75°	207.3	204.8	202.3	197.3
77.5°	189.8	187.3	182.3	177.3
80°	167.3	164.8	162.3	154.8
82.5°	147.3	152.3	154.8	127.4
85°	102.4	92.4	82.4	67.4
87.5°	20.0	15.0	7.5	7.5
90°	0.0	0.0	0.0	0.0

(END OF REPORT)