

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: P561024

Luminaire Tested: **SDL-PA1-80-722-U-T2U-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561024
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-6)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-80-722-U-T2U-HSS
Description: Springdale
(1) 70 CRI, 2200K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4956.3 lumens
Efficiency: N/A
Efficacy: 60.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

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

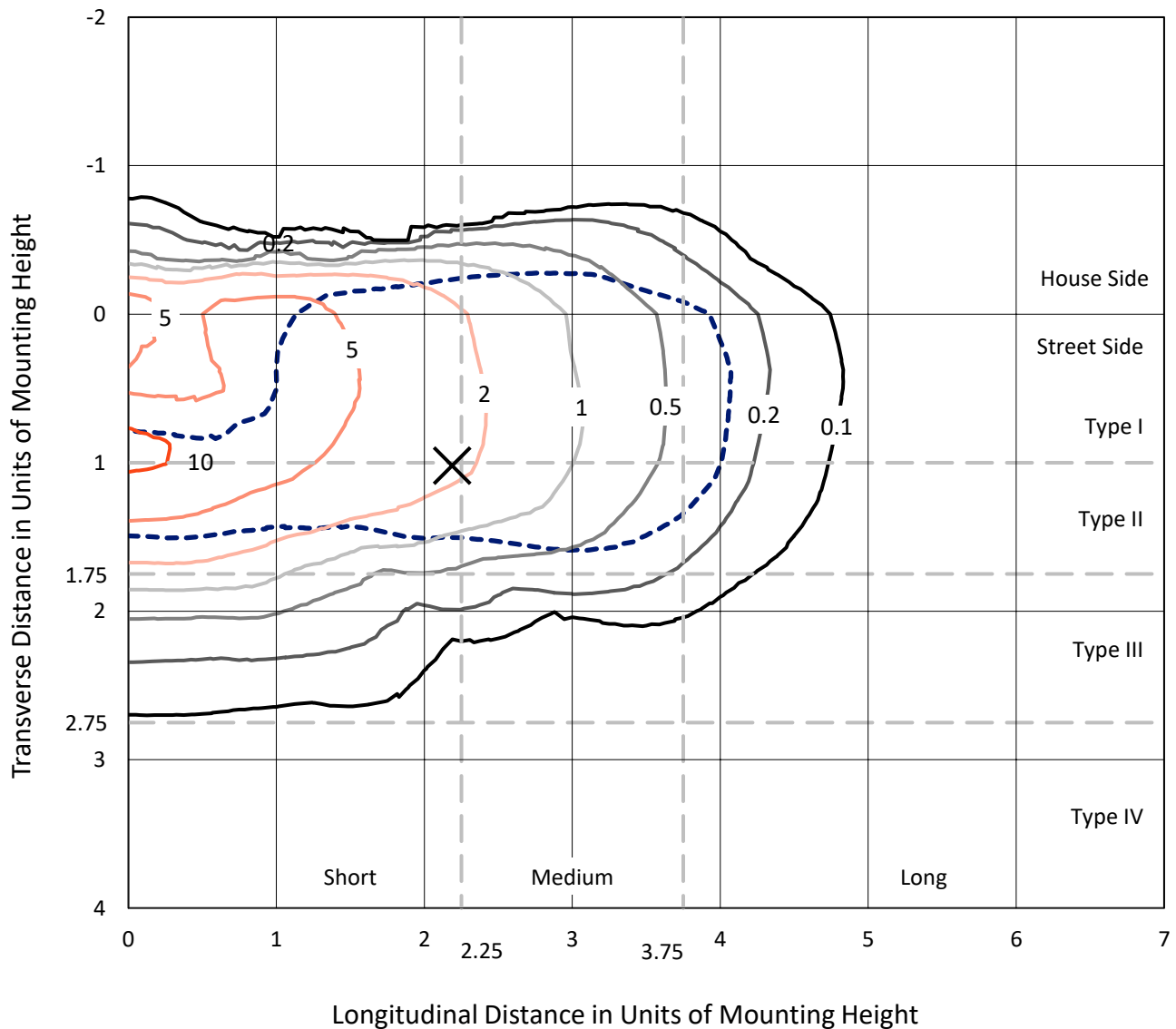


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

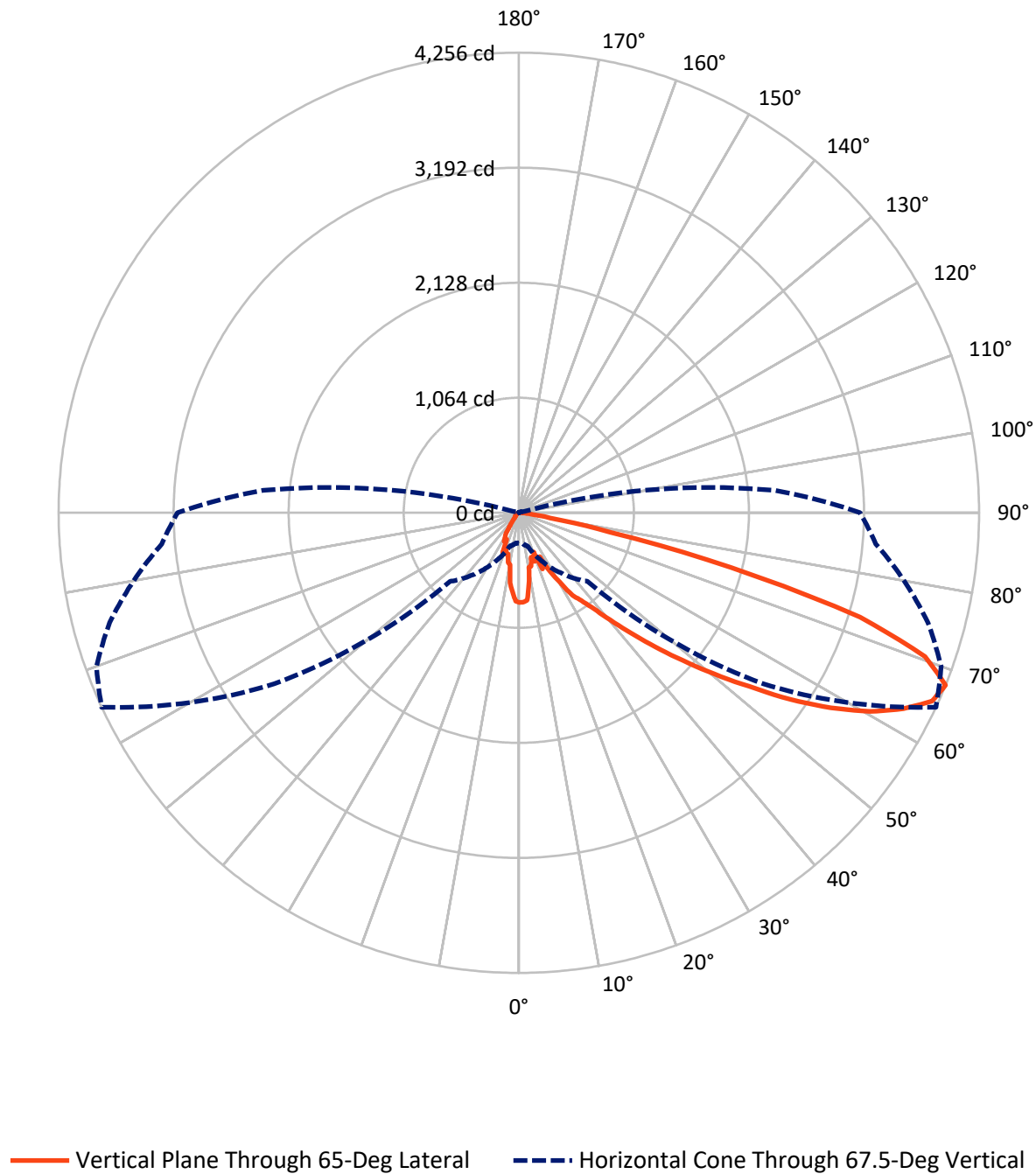


Based on 10 foot mounting height. Maximum calculated value = 10.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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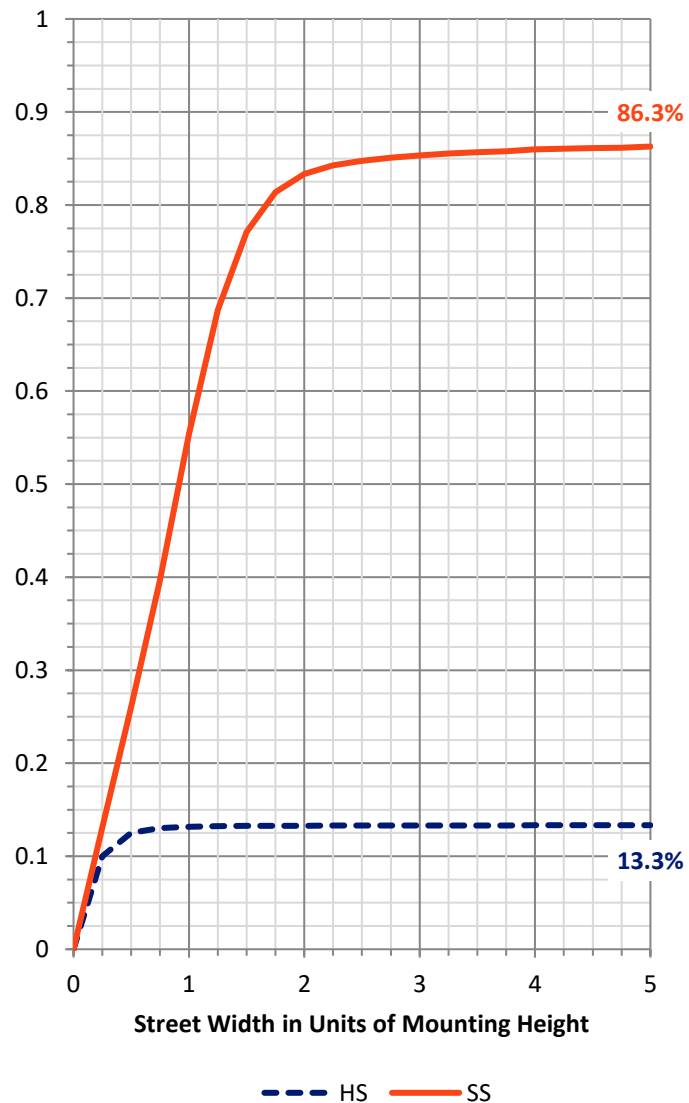
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	670.2	0.0	670.2
	% Fixture	13.5	0.0	13.5
Street Side	Lumens	4286.1	0.0	4286.1
	% Fixture	86.5	0.0	86.5
Total	Lumens	4956.3	0.0	4956.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.7	1.3
10°-20°	123.2	2.5
20°-30°	186.0	3.8
30°-40°	428.5	8.6
40°-50°	939.9	19.0
50°-60°	1379.9	27.8
60°-70°	1198.5	24.2
70°-80°	594.3	12.0
80°-90°	42.2	0.9
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°	4956.3	100.0
0°-180°	4956.3	100.0

Coefficient of Utilization



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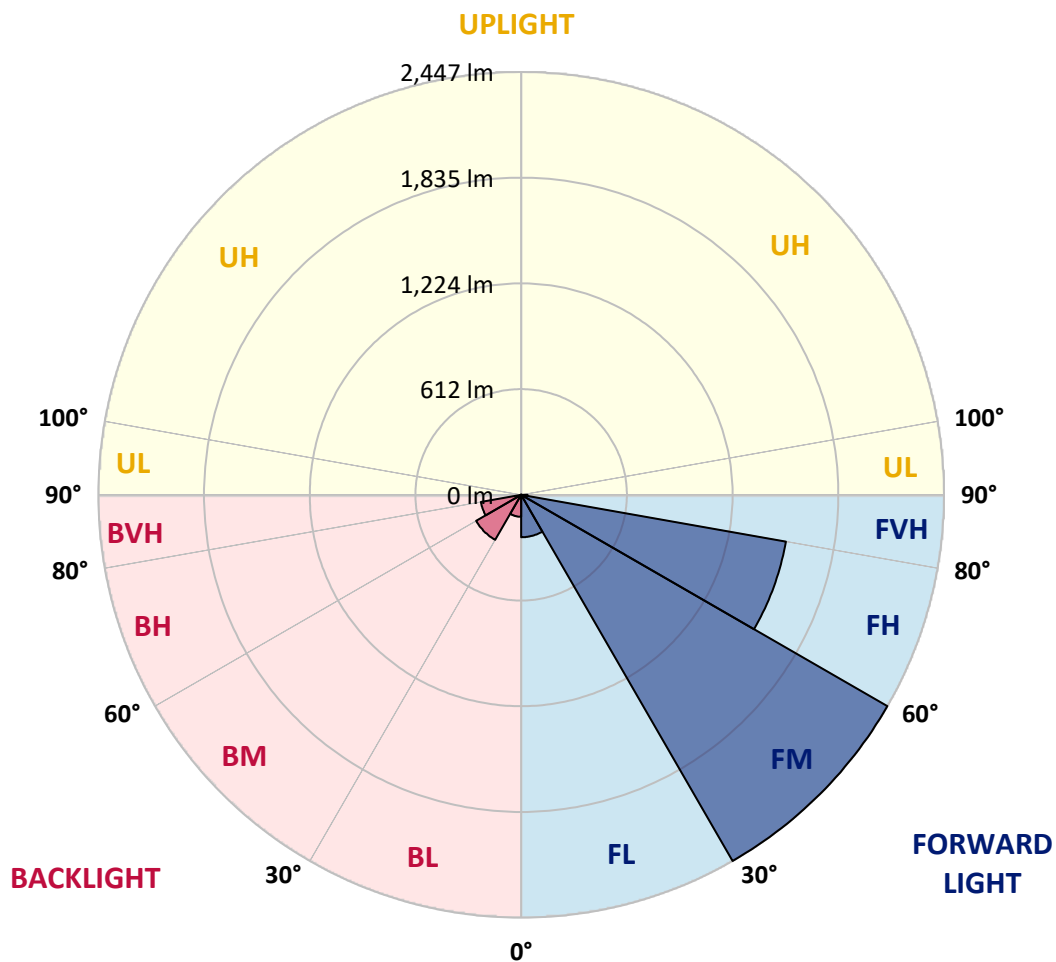
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	245.6	5.0			
FM	(30°-60°)	2447.3	49.4			
FH	(60°-80°)	1556.0	31.4			G1/1800
FVH	(80°-90°)	37.1	0.7			G1/100
BL	(0°-30°)	127.3	2.6	B1/500		
BM	(30°-60°)	301.0	6.1	B1/1000		
BH	(60°-80°)	236.8	4.8	B1/500		G1/500
BVH	(80°-90°)	5.1	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-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	829.8	829.8	829.8	829.8	829.8	829.8	829.8	829.8	829.8	829.8	829.8
2.5°	694.8	752.3	769.8	787.3	802.3	817.3	819.8	822.3	827.3	829.8	832.3
5°	679.8	682.3	682.3	679.8	682.3	684.8	684.8	684.8	684.8	684.8	687.3
7.5°	544.9	609.8	629.8	647.3	657.3	664.8	669.8	672.3	674.8	677.3	679.8
10°	657.3	654.8	657.3	657.3	659.8	659.8	602.3	544.9	564.8	582.3	552.4
12.5°	522.4	574.8	597.3	619.8	634.8	647.3	622.3	594.8	542.4	487.4	489.9
15°	629.8	629.8	629.8	629.8	582.3	532.4	499.9	464.9	492.4	517.4	467.4
17.5°	507.4	507.4	552.4	597.3	597.3	594.8	562.4	527.4	457.4	387.4	449.9
20°	627.3	627.3	629.8	632.3	549.9	467.4	494.9	519.9	529.9	539.9	517.4
22.5°	512.4	512.4	519.9	524.9	554.9	584.8	504.9	424.9	489.9	554.9	509.9
25°	662.3	664.8	669.8	672.3	597.3	519.9	554.9	589.8	519.9	449.9	519.9
27.5°	599.8	589.8	589.8	587.3	612.3	634.8	584.8	534.9	579.8	624.8	572.3
30°	842.3	834.8	824.8	814.8	719.8	624.8	627.3	627.3	609.8	592.3	622.3
32.5°	1167.2	1154.7	1069.7	984.7	914.8	844.8	772.3	699.8	724.8	747.3	732.3
35°	1567.1	1567.1	1487.1	1407.1	1249.7	1092.2	969.7	844.8	834.8	824.8	839.8
37.5°	2042.0	1992.0	1897.0	1802.0	1607.1	1409.6	1222.2	1034.7	1012.2	987.2	962.2
40°	2394.4	2386.9	2314.4	2241.9	2002.0	1762.0	1542.1	1319.6	1247.2	1172.2	1117.2
42.5°	2761.8	2734.3	2676.8	2616.8	2374.4	2129.4	1894.5	1657.1	1557.1	1457.1	1359.6
45°	3026.7	3019.2	2969.2	2919.2	2721.8	2521.8	2276.9	2029.5	1964.5	1899.5	1717.0
47.5°	3191.7	3149.2	3129.2	3106.7	2936.7	2766.8	2559.3	2349.4	2339.4	2326.9	2096.9
50°	3141.7	3104.2	3109.2	3114.2	3031.7	2949.2	2791.8	2631.8	2659.3	2686.8	2496.8
52.5°	2876.7	2844.2	2889.2	2931.7	2929.2	2926.7	2869.2	2809.3	2909.2	3006.7	2876.7
55°	2346.9	2369.4	2459.3	2549.3	2609.3	2666.8	2749.3	2829.2	3019.2	3206.6	3181.7
57.5°	1839.5	1889.5	1982.0	2071.9	2169.4	2264.4	2439.4	2614.3	2934.2	3251.6	3361.6
60°	1234.7	1267.2	1429.6	1589.6	1679.6	1769.5	1959.5	2146.9	2581.8	3014.2	3301.6
62.5°	767.3	784.8	877.3	969.7	1152.2	1334.6	1429.6	1522.1	1992.0	2459.3	2991.7
65°	472.4	467.4	504.9	539.9	719.8	897.3	959.7	1019.7	1332.1	1642.1	2469.3
67.5°	282.4	279.9	299.9	319.9	402.4	484.9	582.3	679.8	789.8	897.3	1829.5
70°	229.9	234.9	242.4	249.9	272.4	294.9	384.9	474.9	472.4	469.9	1099.7
72.5°	192.4	197.4	212.4	224.9	242.4	257.4	309.9	359.9	337.4	314.9	524.9
75°	142.5	145.0	165.0	182.5	209.9	234.9	247.4	257.4	247.4	237.4	264.9
77.5°	95.0	95.0	112.5	130.0	157.5	185.0	199.9	214.9	197.4	180.0	187.5
80°	60.0	60.0	70.0	77.5	105.0	132.5	150.0	167.5	152.5	135.0	132.5
82.5°	35.0	37.5	42.5	47.5	65.0	82.5	95.0	107.5	125.0	140.0	112.5
85°	15.0	17.5	22.5	25.0	35.0	42.5	50.0	57.5	72.5	87.5	72.5
87.5°	2.5	2.5	5.0	7.5	10.0	12.5	12.5	12.5	12.5	10.0	12.5
90°	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.0

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	829.8	829.8	829.8	829.8	829.8	829.8	829.8	829.8	829.8	829.8	829.8
2.5°	832.3	829.8	827.3	827.3	827.3	824.8	822.3	822.3	822.3	819.8	817.3
5°	687.3	749.8	812.3	814.8	819.8	817.3	814.8	812.3	809.8	807.3	802.3
7.5°	679.8	674.8	669.8	652.3	712.3	712.3	709.8	709.8	704.8	684.8	664.8
10°	519.9	517.4	512.4	519.9	532.4	574.8	614.8	612.3	604.8	557.4	509.9
12.5°	492.4	499.9	507.4	482.4	434.9	474.9	514.9	509.9	504.9	462.4	417.4
15°	417.4	422.4	427.4	467.4	539.9	577.3	612.3	607.3	602.3	552.4	499.9
17.5°	512.4	492.4	472.4	499.9	474.9	492.4	509.9	489.9	474.9	454.9	434.9
20°	492.4	439.9	387.4	467.4	559.9	589.8	619.8	612.3	597.3	549.9	499.9
22.5°	462.4	514.9	564.8	539.9	494.9	467.4	439.9	427.4	417.4	419.9	422.4
25°	587.3	519.9	449.9	569.8	642.3	652.3	659.8	637.3	612.3	559.9	504.9
27.5°	517.4	567.3	614.8	662.3	687.3	694.8	699.8	732.3	679.8	609.8	539.9
30°	652.3	694.8	737.3	842.3	927.3	942.2	957.2	919.8	877.3	792.3	707.3
32.5°	717.3	814.8	909.8	959.7	994.7	1007.2	1019.7	969.7	922.3	812.3	699.8
35°	852.3	924.8	997.2	1054.7	1122.2	1124.7	1127.2	1072.2	1012.2	852.3	692.3
37.5°	934.8	1029.7	1122.2	1187.2	1292.2	1284.7	1277.2	1212.2	1139.7	914.8	689.8
40°	1059.7	1182.2	1302.2	1364.6	1492.1	1469.6	1447.1	1372.1	1292.2	982.2	672.3
42.5°	1262.2	1392.1	1522.1	1574.6	1714.5	1689.6	1662.1	1562.1	1459.6	1037.2	614.8
45°	1532.1	1649.6	1767.0	1859.5	1969.5	1929.5	1889.5	1782.0	1632.1	1084.7	537.4
47.5°	1864.5	1952.0	2039.5	2221.9	2301.9	2221.9	2139.4	2009.5	1819.5	1124.7	429.9
50°	2306.9	2326.9	2344.4	2571.8	2651.8	2529.3	2406.9	2239.4	2012.0	1169.7	324.9
52.5°	2744.3	2706.8	2666.8	2911.7	2941.7	2779.3	2614.3	2439.4	2154.4	1194.7	232.4
55°	3156.7	3104.2	3049.2	3224.1	3204.1	2989.2	2774.3	2561.8	2241.9	1202.2	162.5
57.5°	3471.6	3439.1	3404.1	3484.1	3409.1	3156.7	2904.2	2691.8	2306.9	1214.7	120.0
60°	3586.5	3659.0	3731.5	3721.5	3584.0	3316.6	3049.2	2824.2	2346.9	1219.7	90.0
62.5°	3524.1	3759.0	3991.4	3896.5	3729.0	3446.6	3161.7	2944.2	2364.4	1217.2	70.0
65°	3296.6	3749.0	4198.9	4041.4	3831.5	3549.1	3266.6	3071.7	2384.4	1219.7	55.0
67.5°	2759.3	3509.1	4256.4	4156.4	3916.5	3616.5	3314.1	3156.7	2374.4	1209.7	45.0
70°	1727.0	2856.7	3986.4	4063.9	3916.5	3586.5	3256.6	3131.7	2284.4	1159.7	35.0
72.5°	732.3	2017.0	3301.6	3639.0	3741.5	3421.6	3101.7	2946.7	2091.9	1059.7	27.5
75°	289.9	1159.7	2029.5	2564.3	2879.2	2744.3	2606.8	2399.4	1372.1	697.3	20.0
77.5°	194.9	529.9	864.8	1259.7	1502.1	1554.6	1607.1	1369.6	547.4	282.4	15.0
80°	130.0	212.4	294.9	452.4	539.9	509.9	477.4	392.4	167.5	90.0	12.5
82.5°	82.5	110.0	137.5	155.0	160.0	115.0	70.0	57.5	20.0	15.0	7.5
85°	55.0	65.0	75.0	77.5	77.5	55.0	30.0	15.0	7.5	7.5	5.0
87.5°	15.0	17.5	17.5	17.5	12.5	10.0	7.5	5.0	5.0	5.0	5.0
90°	7.5	10.0	10.0	10.0	7.5	7.5	5.0	5.0	5.0	5.0	5.0

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	829.8	829.8	829.8	829.8	829.8	829.8	829.8	829.8	829.8	829.8	829.8
2.5°	817.3	817.3	814.8	812.3	812.3	809.8	784.8	757.3	732.3	704.8	702.3
5°	769.8	734.8	702.3	669.8	664.8	657.3	657.3	654.8	654.8	652.3	652.3
7.5°	659.8	654.8	649.8	644.8	642.3	637.3	634.8	629.8	627.3	622.3	594.8
10°	499.9	487.4	487.4	484.9	489.9	494.9	492.4	487.4	519.9	552.4	549.9
12.5°	444.9	469.9	447.4	422.4	429.9	434.9	442.4	449.9	447.4	442.4	404.9
15°	447.4	392.4	374.9	354.9	364.9	372.4	307.4	239.9	227.4	214.9	199.9
17.5°	417.4	399.9	387.4	372.4	284.9	194.9	175.0	155.0	137.5	117.5	115.0
20°	422.4	342.4	319.9	294.9	227.4	160.0	122.5	85.0	75.0	65.0	75.0
22.5°	412.4	399.9	292.4	185.0	137.5	90.0	75.0	57.5	62.5	67.5	67.5
25°	387.4	269.9	209.9	150.0	105.0	57.5	60.0	60.0	55.0	47.5	52.5
27.5°	419.9	297.4	189.9	80.0	70.0	57.5	52.5	45.0	45.0	45.0	42.5
30°	484.9	259.9	162.5	65.0	55.0	45.0	42.5	40.0	37.5	32.5	35.0
32.5°	459.9	219.9	137.5	55.0	47.5	40.0	35.0	30.0	30.0	30.0	30.0
35°	417.4	140.0	95.0	47.5	40.0	32.5	30.0	25.0	25.0	25.0	25.0
37.5°	389.9	90.0	65.0	37.5	32.5	27.5	25.0	20.0	20.0	20.0	22.5
40°	367.4	62.5	47.5	32.5	27.5	20.0	17.5	15.0	17.5	17.5	17.5
42.5°	334.9	52.5	40.0	27.5	22.5	17.5	15.0	12.5	15.0	15.0	15.0
45°	292.4	47.5	35.0	22.5	20.0	15.0	12.5	10.0	12.5	12.5	12.5
47.5°	234.9	40.0	30.0	20.0	17.5	12.5	12.5	10.0	10.0	10.0	10.0
50°	182.5	37.5	27.5	17.5	15.0	10.0	10.0	7.5	10.0	10.0	10.0
52.5°	132.5	32.5	25.0	15.0	12.5	7.5	7.5	7.5	7.5	7.5	7.5
55°	95.0	27.5	20.0	12.5	10.0	7.5	7.5	5.0	7.5	7.5	7.5
57.5°	72.5	25.0	17.5	10.0	7.5	5.0	5.0	5.0	5.0	5.0	5.0
60°	57.5	22.5	17.5	10.0	7.5	5.0	5.0	2.5	5.0	5.0	5.0
62.5°	45.0	17.5	15.0	10.0	7.5	5.0	5.0	2.5	5.0	5.0	5.0
65°	35.0	15.0	12.5	7.5	5.0	2.5	2.5	2.5	5.0	5.0	5.0
67.5°	30.0	12.5	10.0	7.5	5.0	2.5	5.0	5.0	5.0	5.0	5.0
70°	25.0	12.5	10.0	7.5	5.0	2.5	5.0	5.0	7.5	7.5	5.0
72.5°	20.0	10.0	7.5	5.0	5.0	2.5	5.0	5.0	7.5	7.5	5.0
75°	15.0	7.5	7.5	5.0	5.0	2.5	5.0	7.5	7.5	7.5	5.0
77.5°	12.5	7.5	7.5	5.0	5.0	2.5	5.0	7.5	7.5	7.5	7.5
80°	10.0	5.0	5.0	5.0	2.5	0.0	5.0	10.0	10.0	7.5	7.5
82.5°	7.5	5.0	5.0	5.0	2.5	0.0	5.0	10.0	10.0	7.5	7.5
85°	5.0	5.0	5.0	5.0	5.0	2.5	7.5	10.0	10.0	7.5	7.5
87.5°	5.0	5.0	5.0	5.0	5.0	2.5	5.0	7.5	7.5	7.5	7.5
90°	5.0	5.0	7.5	7.5	5.0	2.5	5.0	7.5	7.5	7.5	7.5

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	829.8	829.8	829.8	829.8
2.5°	697.3	702.3	704.8	699.8
5°	649.8	649.8	647.3	654.8
7.5°	564.8	549.9	532.4	519.9
10°	544.9	532.4	519.9	522.4
12.5°	364.9	327.4	289.9	302.4
15°	185.0	175.0	165.0	165.0
17.5°	110.0	100.0	87.5	90.0
20°	82.5	82.5	82.5	82.5
22.5°	65.0	62.5	57.5	55.0
25°	55.0	55.0	55.0	55.0
27.5°	40.0	40.0	37.5	35.0
30°	35.0	35.0	35.0	32.5
32.5°	27.5	30.0	30.0	30.0
35°	25.0	25.0	25.0	25.0
37.5°	22.5	22.5	20.0	20.0
40°	17.5	17.5	17.5	17.5
42.5°	15.0	15.0	15.0	15.0
45°	12.5	12.5	12.5	12.5
47.5°	10.0	10.0	10.0	10.0
50°	10.0	10.0	7.5	7.5
52.5°	7.5	7.5	5.0	5.0
55°	5.0	5.0	5.0	5.0
57.5°	5.0	5.0	2.5	2.5
60°	5.0	5.0	2.5	2.5
62.5°	2.5	2.5	2.5	2.5
65°	2.5	2.5	0.0	0.0
67.5°	2.5	2.5	0.0	0.0
70°	2.5	2.5	0.0	0.0
72.5°	2.5	2.5	0.0	0.0
75°	2.5	2.5	0.0	0.0
77.5°	5.0	2.5	0.0	0.0
80°	5.0	5.0	2.5	0.0
82.5°	5.0	5.0	2.5	0.0
85°	5.0	5.0	2.5	0.0
87.5°	5.0	5.0	2.5	0.0
90°	5.0	5.0	2.5	0.0

(END OF REPORT)