

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: P561332

Luminaire Tested: **SDL-PA1-90-827-U-T2U-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561332
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-PA1-90-827-U-T2U-HSS
Description: Springdale
(1) 80 CRI, 2700K, 1180mA 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: 5430.9 lumens
Efficiency: N/A
Efficacy: 58.8 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): 92.4
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



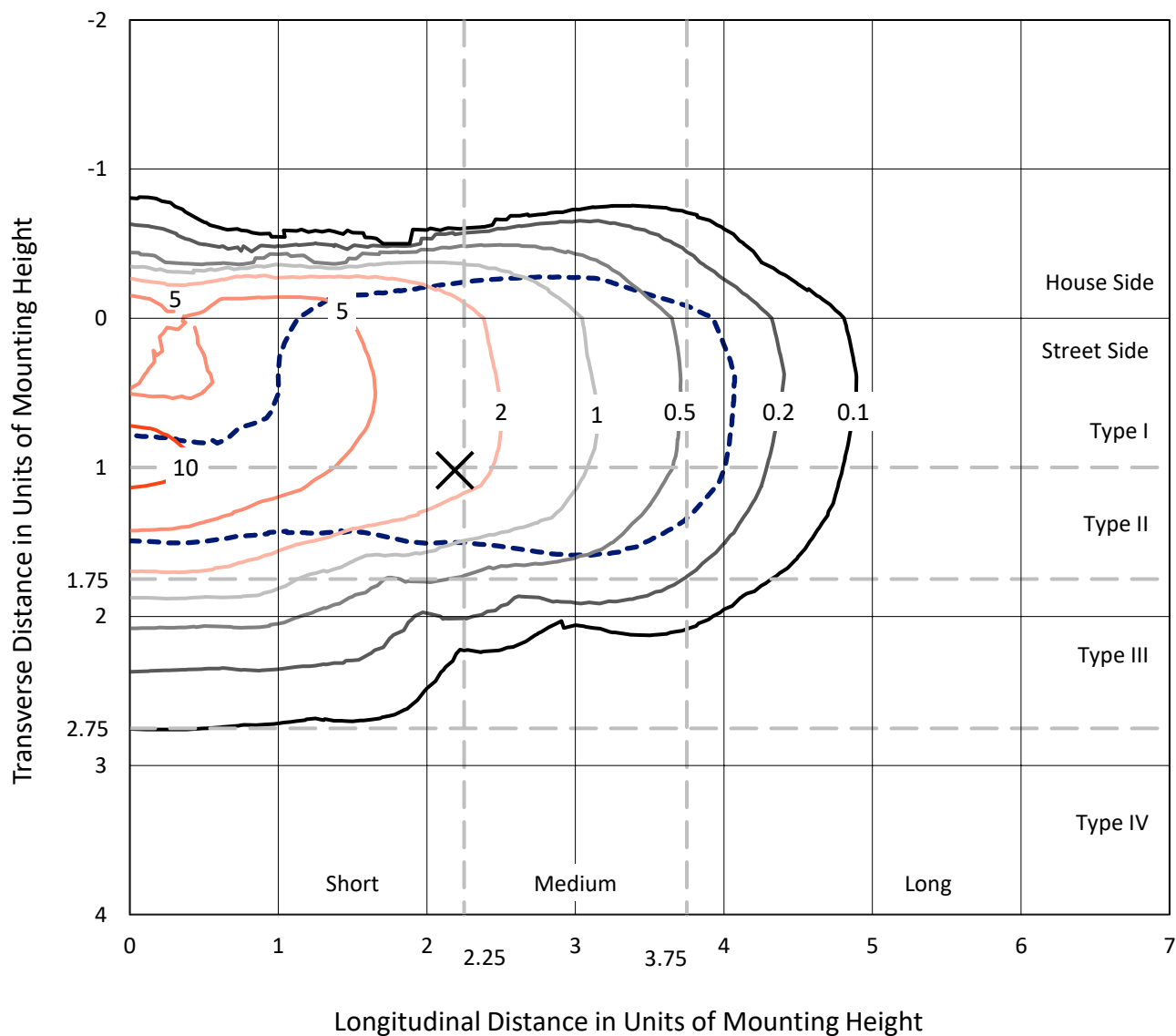
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

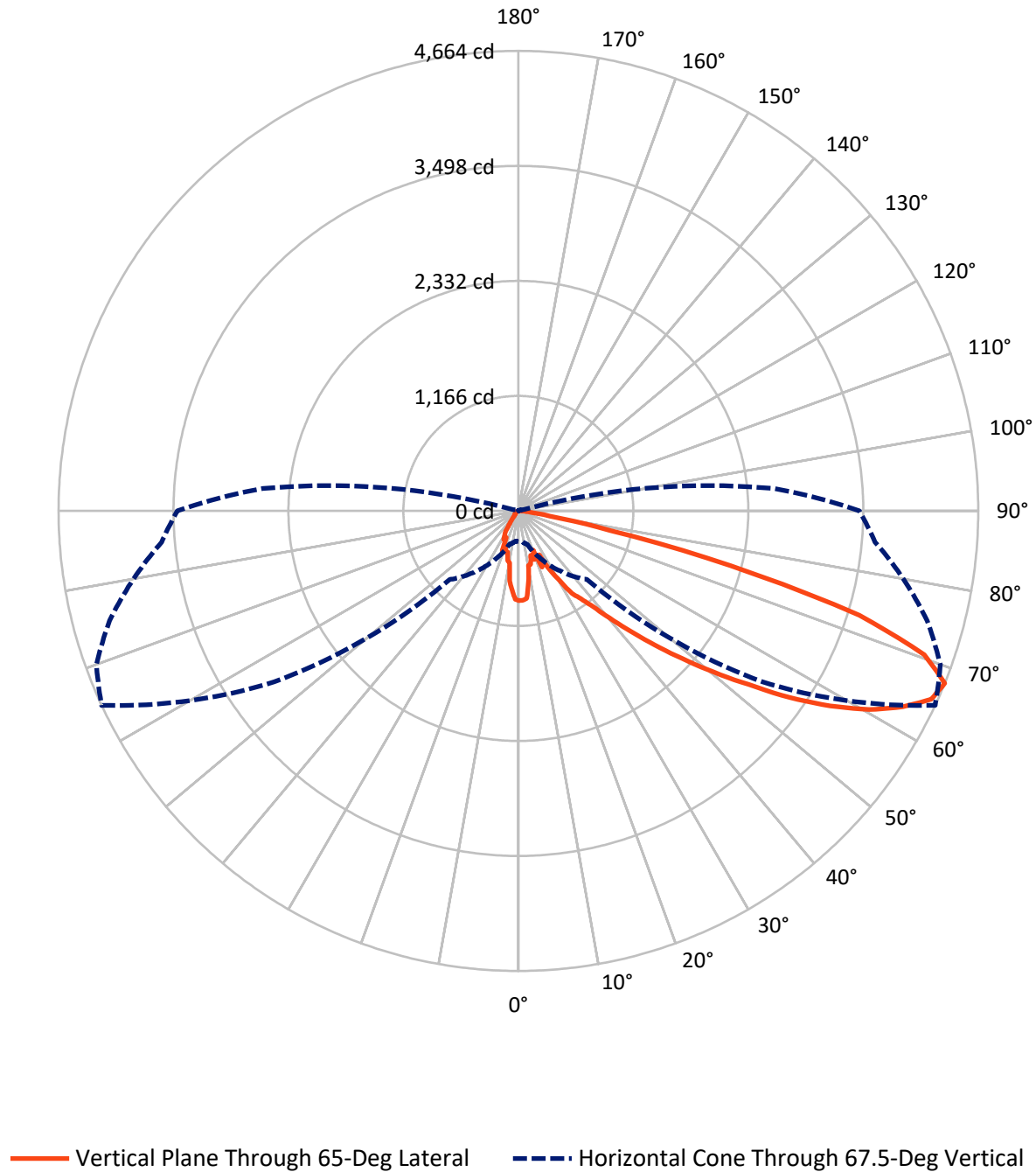


Based on 10 foot mounting height. Maximum calculated value = 12 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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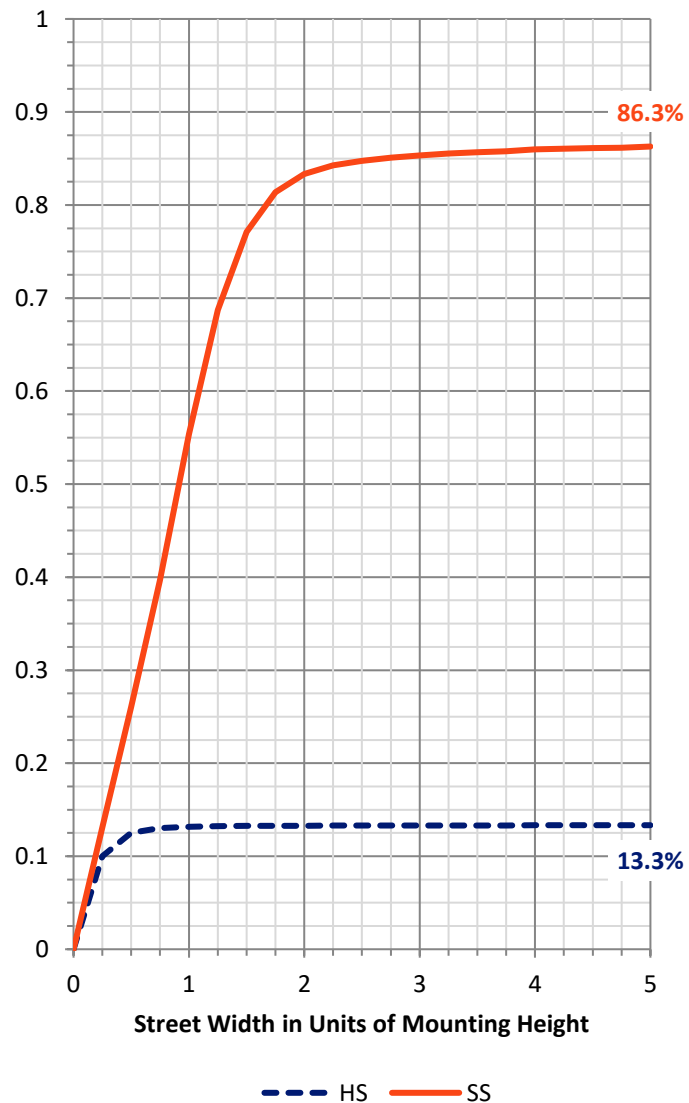
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	734.3	0.0	734.3
	% Fixture	13.5	0.0	13.5
Street Side	Lumens	4696.5	0.0	4696.5
	% Fixture	86.5	0.0	86.5
Total	Lumens	5430.9	0.0	5430.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.8	1.3
10°-20°	135.0	2.5
20°-30°	203.8	3.8
30°-40°	469.5	8.6
40°-50°	1030.0	19.0
50°-60°	1512.0	27.8
60°-70°	1313.3	24.2
70°-80°	651.2	12.0
80°-90°	46.2	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°	5430.9	100.0
0°-180°	5430.9	100.0

Coefficient of Utilization



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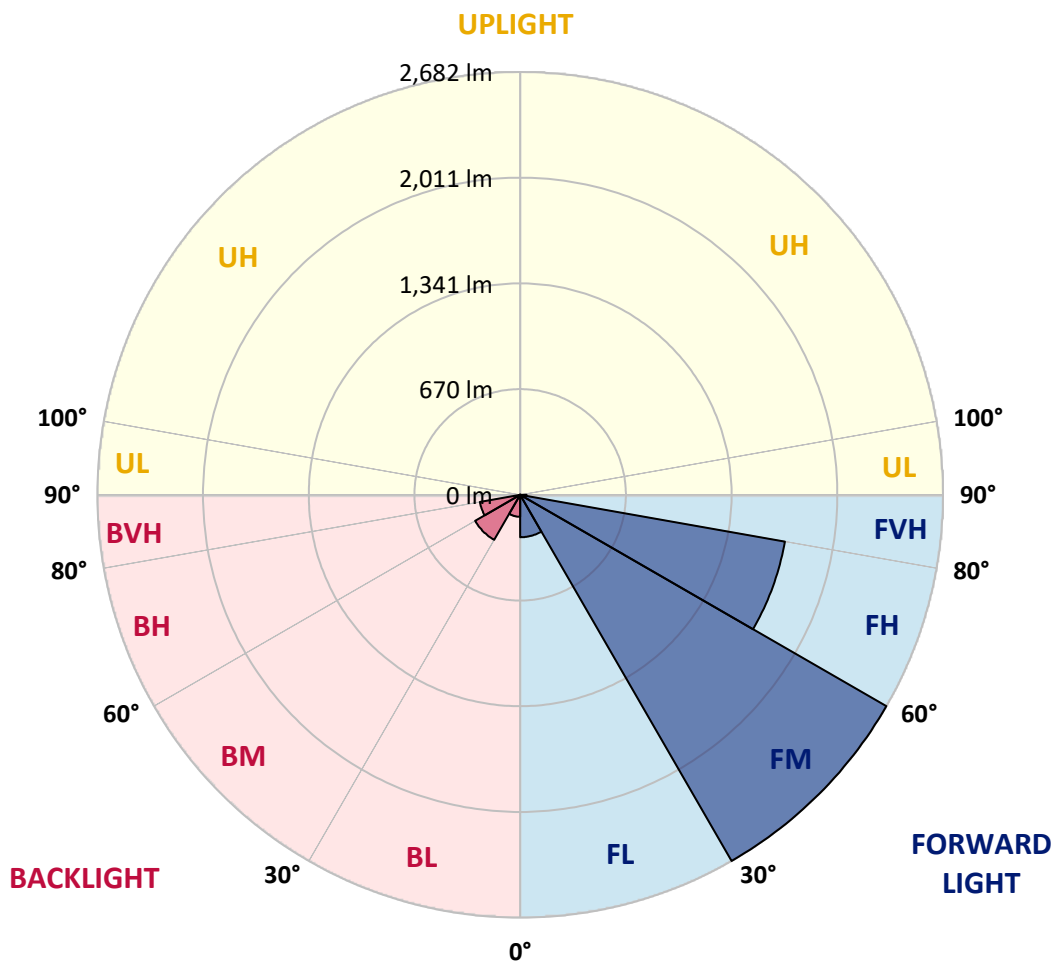
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	269.2	5.0			
FM	(30°-60°)	2681.7	49.4			
FH	(60°-80°)	1705.0	31.4			G1/1800
FVH	(80°-90°)	40.7	0.7			G1/100
BL	(0°-30°)	139.5	2.6	B1/500		
BM	(30°-60°)	329.8	6.1	B1/1000		
BH	(60°-80°)	259.4	4.8	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-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	909.2	909.2	909.2	909.2	909.2	909.2	909.2	909.2	909.2	909.2	909.2
2.5°	761.4	824.3	843.5	862.7	879.1	895.6	898.3	901.0	906.5	909.2	912.0
5°	744.9	747.7	747.7	744.9	747.7	750.4	750.4	750.4	750.4	750.4	753.1
7.5°	597.0	668.2	690.1	709.3	720.3	728.5	734.0	736.7	739.4	742.2	744.9
10°	720.3	717.5	720.3	720.3	723.0	723.0	660.0	597.0	618.9	638.1	605.3
12.5°	572.4	629.9	654.5	679.2	695.6	709.3	681.9	651.8	594.3	534.0	536.8
15°	690.1	690.1	690.1	690.1	638.1	583.3	547.7	509.4	539.5	566.9	512.1
17.5°	556.0	556.0	605.3	654.5	654.5	651.8	616.2	577.9	501.2	424.5	493.0
20°	687.4	687.4	690.1	692.9	602.5	512.1	542.3	569.6	580.6	591.6	566.9
22.5°	561.4	561.4	569.6	575.1	608.0	640.9	553.2	465.6	536.8	608.0	558.7
25°	725.8	728.5	734.0	736.7	654.5	569.6	608.0	646.3	569.6	493.0	569.6
27.5°	657.3	646.3	646.3	643.6	671.0	695.6	640.9	586.1	635.4	684.7	627.2
30°	922.9	914.7	903.8	892.8	788.7	684.7	687.4	687.4	668.2	649.1	681.9
32.5°	1279.0	1265.3	1172.2	1079.0	1002.4	925.7	846.3	766.8	794.2	818.9	802.4
35°	1717.2	1717.2	1629.5	1541.9	1369.3	1196.8	1062.6	925.7	914.7	903.8	920.2
37.5°	2237.5	2182.7	2078.7	1974.6	1761.0	1544.6	1339.2	1133.8	1109.2	1081.8	1054.4
40°	2623.7	2615.4	2536.0	2456.6	2193.7	1930.8	1689.8	1446.0	1366.6	1284.4	1224.2
42.5°	3026.3	2996.1	2933.1	2867.4	2601.8	2333.4	2075.9	1815.8	1706.2	1596.7	1489.8
45°	3316.6	3308.3	3253.6	3198.8	2982.4	2763.3	2494.9	2223.8	2152.6	2081.4	1881.5
47.5°	3497.3	3450.7	3428.8	3404.2	3218.0	3031.7	2804.4	2574.4	2563.4	2549.7	2297.8
50°	3442.5	3401.5	3406.9	3412.4	3322.0	3231.7	3059.1	2883.8	2914.0	2944.1	2735.9
52.5°	3152.2	3116.6	3165.9	3212.5	3209.7	3207.0	3144.0	3078.3	3187.8	3294.6	3152.2
55°	2571.6	2596.3	2694.9	2793.5	2859.2	2922.2	3012.6	3100.2	3308.3	3513.7	3486.4
57.5°	2015.7	2070.4	2171.8	2270.4	2377.2	2481.3	2673.0	2864.7	3215.2	3563.0	3683.5
60°	1352.9	1388.5	1566.5	1741.8	1840.4	1939.0	2147.1	2352.5	2829.1	3302.9	3617.8
62.5°	840.8	859.9	961.3	1062.6	1262.5	1462.5	1566.5	1667.9	2182.7	2694.9	3278.2
65°	517.6	512.1	553.2	591.6	788.7	983.2	1051.7	1117.4	1459.7	1799.3	2705.8
67.5°	309.5	306.7	328.6	350.6	440.9	531.3	638.1	744.9	865.4	983.2	2004.7
70°	252.0	257.4	265.7	273.9	298.5	323.2	421.8	520.4	517.6	514.9	1205.0
72.5°	210.9	216.4	232.8	246.5	265.7	282.1	339.6	394.4	369.7	345.1	575.1
75°	156.1	158.8	180.8	199.9	230.0	257.4	271.1	282.1	271.1	260.2	290.3
77.5°	104.1	104.1	123.2	142.4	172.5	202.7	219.1	235.5	216.4	197.2	205.4
80°	65.7	65.7	76.7	84.9	115.0	145.2	164.3	183.5	167.1	147.9	145.2
82.5°	38.3	41.1	46.6	52.0	71.2	90.4	104.1	117.8	136.9	153.4	123.2
85°	16.4	19.2	24.6	27.4	38.3	46.6	54.8	63.0	79.4	95.9	79.4
87.5°	2.7	2.7	5.5	8.2	11.0	13.7	13.7	13.7	13.7	11.0	13.7
90°	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.5

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	909.2	909.2	909.2	909.2	909.2	909.2	909.2	909.2	909.2	909.2	909.2
2.5°	912.0	909.2	906.5	906.5	906.5	903.8	901.0	901.0	901.0	898.3	895.6
5°	753.1	821.6	890.1	892.8	898.3	895.6	892.8	890.1	887.3	884.6	879.1
7.5°	744.9	739.4	734.0	714.8	780.5	780.5	777.8	777.8	772.3	750.4	728.5
10°	569.6	566.9	561.4	569.6	583.3	629.9	673.7	671.0	662.8	610.7	558.7
12.5°	539.5	547.7	556.0	528.6	476.5	520.4	564.2	558.7	553.2	506.7	457.4
15°	457.4	462.8	468.3	512.1	591.6	632.6	671.0	665.5	660.0	605.3	547.7
17.5°	561.4	539.5	517.6	547.7	520.4	539.5	558.7	536.8	520.4	498.4	476.5
20°	539.5	482.0	424.5	512.1	613.5	646.3	679.2	671.0	654.5	602.5	547.7
22.5°	506.7	564.2	618.9	591.6	542.3	512.1	482.0	468.3	457.4	460.1	462.8
25°	643.6	569.6	493.0	624.4	703.8	714.8	723.0	698.4	671.0	613.5	553.2
27.5°	566.9	621.7	673.7	725.8	753.1	761.4	766.8	802.4	744.9	668.2	591.6
30°	714.8	761.4	807.9	922.9	1016.1	1032.5	1048.9	1007.8	961.3	868.2	775.0
32.5°	786.0	892.8	996.9	1051.7	1090.0	1103.7	1117.4	1062.6	1010.6	890.1	766.8
35°	933.9	1013.3	1092.7	1155.7	1229.7	1232.4	1235.1	1174.9	1109.2	933.9	758.6
37.5°	1024.3	1128.3	1229.7	1300.9	1415.9	1407.7	1399.5	1328.3	1248.8	1002.4	755.9
40°	1161.2	1295.4	1426.9	1495.3	1635.0	1610.3	1585.7	1503.5	1415.9	1076.3	736.7
42.5°	1383.0	1525.4	1667.9	1725.4	1878.7	1851.4	1821.2	1711.7	1599.4	1136.6	673.7
45°	1678.8	1807.5	1936.3	2037.6	2158.1	2114.3	2070.4	1952.7	1788.4	1188.6	588.8
47.5°	2043.1	2138.9	2234.8	2434.7	2522.3	2434.7	2344.3	2201.9	1993.8	1232.4	471.1
50°	2527.8	2549.7	2568.9	2818.1	2905.7	2771.6	2637.4	2453.9	2204.6	1281.7	356.0
52.5°	3007.1	2966.0	2922.2	3190.6	3223.4	3045.4	2864.7	2673.0	2360.7	1309.1	254.7
55°	3459.0	3401.5	3341.2	3532.9	3511.0	3275.5	3039.9	2807.2	2456.6	1317.3	178.0
57.5°	3804.0	3768.4	3730.1	3817.7	3735.6	3459.0	3182.4	2949.6	2527.8	1331.0	131.5
60°	3930.0	4009.4	4088.9	4077.9	3927.3	3634.2	3341.2	3094.7	2571.6	1336.5	98.6
62.5°	3861.6	4119.0	4373.7	4269.6	4086.1	3776.7	3464.4	3226.2	2590.8	1333.7	76.7
65°	3612.3	4108.0	4601.0	4428.5	4198.4	3888.9	3579.5	3365.8	2612.7	1336.5	60.3
67.5°	3023.5	3845.1	4664.0	4554.4	4291.5	3962.9	3631.5	3459.0	2601.8	1325.5	49.3
70°	1892.4	3130.3	4368.2	4453.1	4291.5	3930.0	3568.5	3431.6	2503.2	1270.8	38.3
72.5°	802.4	2210.1	3617.8	3987.5	4099.8	3749.3	3398.7	3228.9	2292.3	1161.2	30.1
75°	317.7	1270.8	2223.8	2809.9	3155.0	3007.1	2856.5	2629.1	1503.5	764.1	21.9
77.5°	213.6	580.6	947.6	1380.3	1646.0	1703.5	1761.0	1500.8	599.8	309.5	16.4
80°	142.4	232.8	323.2	495.7	591.6	558.7	523.1	430.0	183.5	98.6	13.7
82.5°	90.4	120.5	150.6	169.8	175.3	126.0	76.7	63.0	21.9	16.4	8.2
85°	60.3	71.2	82.2	84.9	84.9	60.3	32.9	16.4	8.2	8.2	5.5
87.5°	16.4	19.2	19.2	19.2	13.7	11.0	8.2	5.5	5.5	5.5	5.5
90°	8.2	11.0	11.0	11.0	8.2	8.2	5.5	5.5	5.5	5.5	5.5

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	909.2	909.2	909.2	909.2	909.2	909.2	909.2	909.2	909.2	909.2	909.2
2.5°	895.6	895.6	892.8	890.1	890.1	887.3	859.9	829.8	802.4	772.3	769.6
5°	843.5	805.2	769.6	734.0	728.5	720.3	720.3	717.5	717.5	714.8	714.8
7.5°	723.0	717.5	712.1	706.6	703.8	698.4	695.6	690.1	687.4	681.9	651.8
10°	547.7	534.0	534.0	531.3	536.8	542.3	539.5	534.0	569.6	605.3	602.5
12.5°	487.5	514.9	490.2	462.8	471.1	476.5	484.7	493.0	490.2	484.7	443.7
15°	490.2	430.0	410.8	388.9	399.8	408.1	336.9	262.9	249.2	235.5	219.1
17.5°	457.4	438.2	424.5	408.1	312.2	213.6	191.7	169.8	150.6	128.7	126.0
20°	462.8	375.2	350.6	323.2	249.2	175.3	134.2	93.1	82.2	71.2	82.2
22.5°	451.9	438.2	320.4	202.7	150.6	98.6	82.2	63.0	68.5	73.9	73.9
25°	424.5	295.8	230.0	164.3	115.0	63.0	65.7	65.7	60.3	52.0	57.5
27.5°	460.1	325.9	208.1	87.6	76.7	63.0	57.5	49.3	49.3	49.3	46.6
30°	531.3	284.8	178.0	71.2	60.3	49.3	46.6	43.8	41.1	35.6	38.3
32.5°	503.9	241.0	150.6	60.3	52.0	43.8	38.3	32.9	32.9	32.9	32.9
35°	457.4	153.4	104.1	52.0	43.8	35.6	32.9	27.4	27.4	27.4	27.4
37.5°	427.2	98.6	71.2	41.1	35.6	30.1	27.4	21.9	21.9	21.9	24.6
40°	402.6	68.5	52.0	35.6	30.1	21.9	19.2	16.4	19.2	19.2	19.2
42.5°	367.0	57.5	43.8	30.1	24.6	19.2	16.4	13.7	16.4	16.4	16.4
45°	320.4	52.0	38.3	24.6	21.9	16.4	13.7	11.0	13.7	13.7	13.7
47.5°	257.4	43.8	32.9	21.9	19.2	13.7	13.7	11.0	11.0	11.0	11.0
50°	199.9	41.1	30.1	19.2	16.4	11.0	11.0	8.2	11.0	11.0	11.0
52.5°	145.2	35.6	27.4	16.4	13.7	8.2	8.2	8.2	8.2	8.2	8.2
55°	104.1	30.1	21.9	13.7	11.0	8.2	8.2	5.5	8.2	8.2	8.2
57.5°	79.4	27.4	19.2	11.0	8.2	5.5	5.5	5.5	5.5	5.5	5.5
60°	63.0	24.6	19.2	11.0	8.2	5.5	5.5	2.7	5.5	5.5	5.5
62.5°	49.3	19.2	16.4	11.0	8.2	5.5	5.5	2.7	5.5	5.5	5.5
65°	38.3	16.4	13.7	8.2	5.5	2.7	2.7	2.7	5.5	5.5	5.5
67.5°	32.9	13.7	11.0	8.2	5.5	2.7	5.5	5.5	5.5	5.5	5.5
70°	27.4	13.7	11.0	8.2	5.5	2.7	5.5	5.5	8.2	8.2	5.5
72.5°	21.9	11.0	8.2	5.5	5.5	2.7	5.5	5.5	8.2	8.2	5.5
75°	16.4	8.2	8.2	5.5	5.5	2.7	5.5	8.2	8.2	8.2	5.5
77.5°	13.7	8.2	8.2	5.5	5.5	2.7	5.5	8.2	8.2	8.2	8.2
80°	11.0	5.5	5.5	5.5	2.7	0.0	5.5	11.0	11.0	8.2	8.2
82.5°	8.2	5.5	5.5	5.5	2.7	0.0	5.5	11.0	11.0	8.2	8.2
85°	5.5	5.5	5.5	5.5	5.5	2.7	8.2	11.0	11.0	8.2	8.2
87.5°	5.5	5.5	5.5	5.5	5.5	2.7	5.5	8.2	8.2	8.2	8.2
90°	5.5	5.5	8.2	8.2	5.5	2.7	5.5	8.2	8.2	8.2	8.2

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	909.2	909.2	909.2	909.2
2.5°	764.1	769.6	772.3	766.8
5°	712.1	712.1	709.3	717.5
7.5°	618.9	602.5	583.3	569.6
10°	597.0	583.3	569.6	572.4
12.5°	399.8	358.8	317.7	331.4
15°	202.7	191.7	180.8	180.8
17.5°	120.5	109.5	95.9	98.6
20°	90.4	90.4	90.4	90.4
22.5°	71.2	68.5	63.0	60.3
25°	60.3	60.3	60.3	60.3
27.5°	43.8	43.8	41.1	38.3
30°	38.3	38.3	38.3	35.6
32.5°	30.1	32.9	32.9	32.9
35°	27.4	27.4	27.4	27.4
37.5°	24.6	24.6	21.9	21.9
40°	19.2	19.2	19.2	19.2
42.5°	16.4	16.4	16.4	16.4
45°	13.7	13.7	13.7	13.7
47.5°	11.0	11.0	11.0	11.0
50°	11.0	11.0	8.2	8.2
52.5°	8.2	8.2	5.5	5.5
55°	5.5	5.5	5.5	5.5
57.5°	5.5	5.5	2.7	2.7
60°	5.5	5.5	2.7	2.7
62.5°	2.7	2.7	2.7	2.7
65°	2.7	2.7	0.0	0.0
67.5°	2.7	2.7	0.0	0.0
70°	2.7	2.7	0.0	0.0
72.5°	2.7	2.7	0.0	0.0
75°	2.7	2.7	0.0	0.0
77.5°	5.5	2.7	0.0	0.0
80°	5.5	5.5	2.7	0.0
82.5°	5.5	5.5	2.7	0.0
85°	5.5	5.5	2.7	0.0
87.5°	5.5	5.5	2.7	0.0
90°	5.5	5.5	2.7	0.0

(END OF REPORT)