

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: P533802

Luminaire Tested: **GLAN-SA9B-730-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533802
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-26)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA9B-730-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34988 lumens
Efficiency: N/A
Efficacy: 96.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G3

Input Watts (W): 364
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



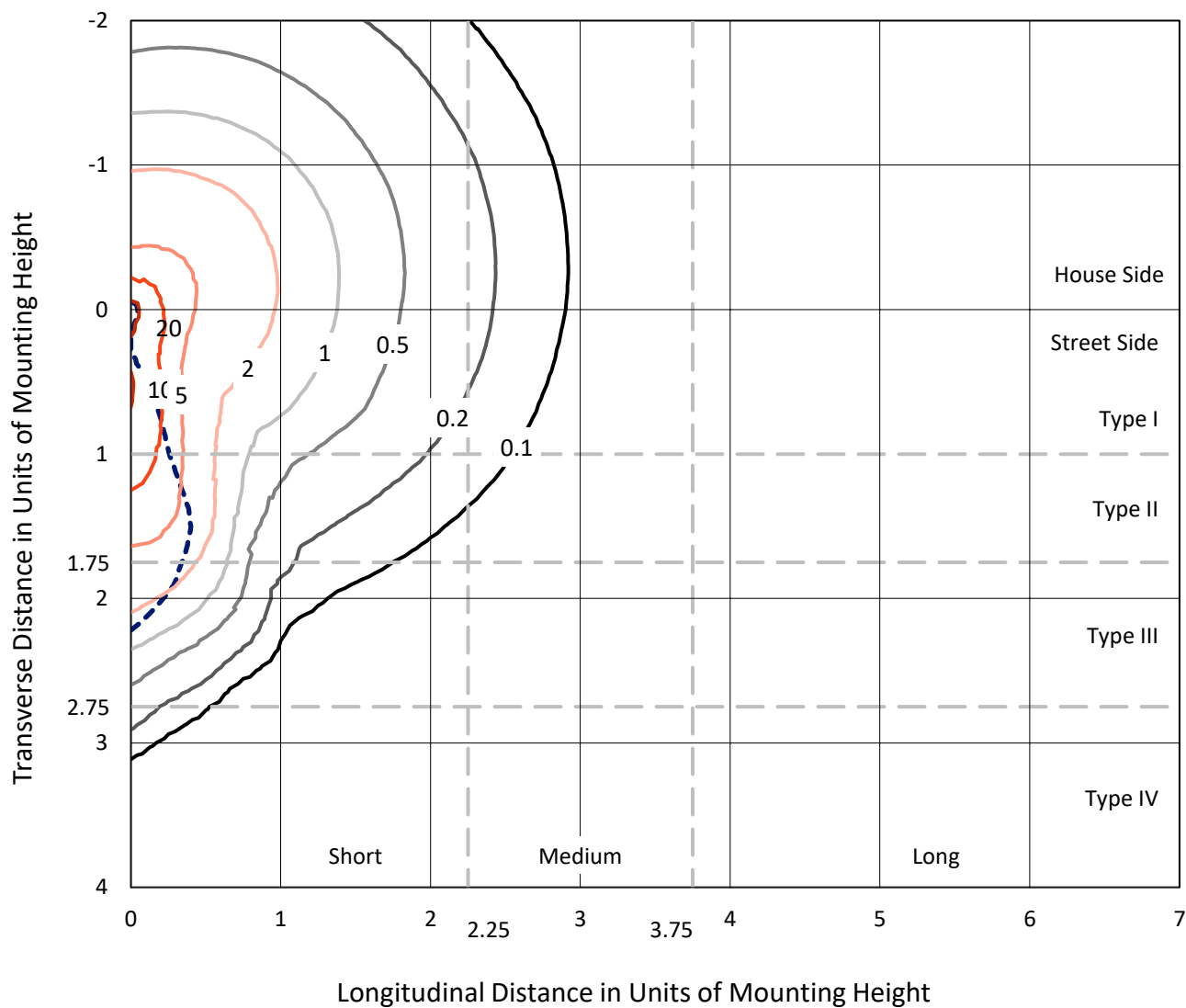
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

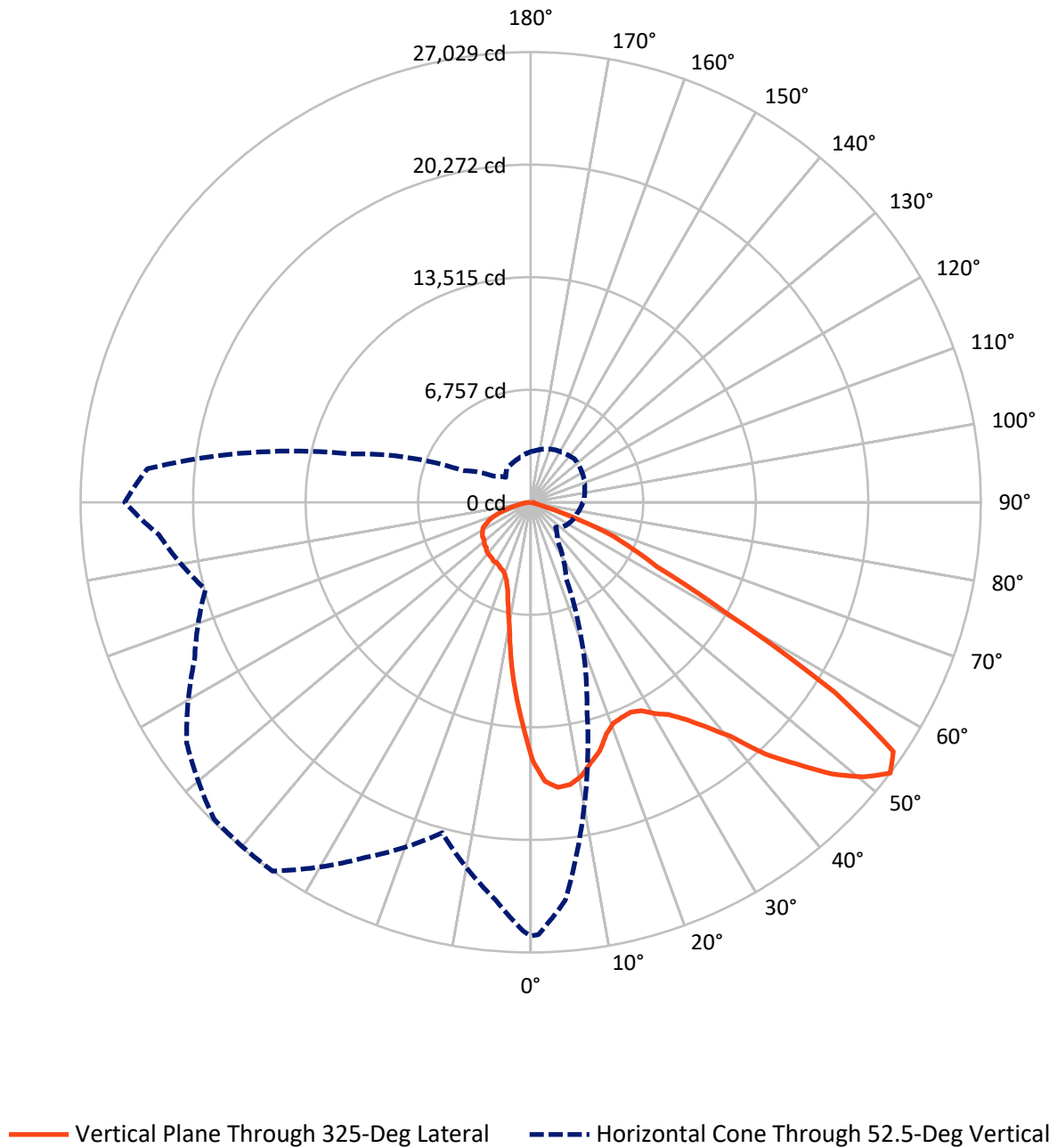
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 24.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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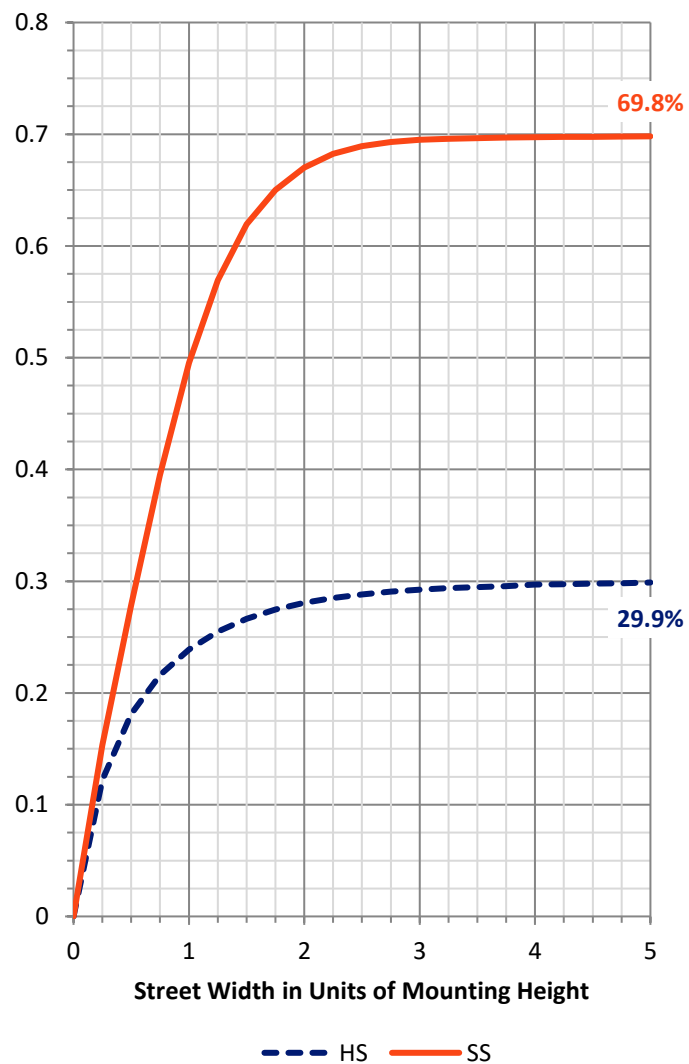
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10547.4	0.0	10547.4
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	24440.6	0.0	24440.6
	% Fixture	69.9	0.0	69.9
Total	Lumens	34988.0	0.0	34988.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1184.6	3.4
10°-20°	2568.1	7.3
20°-30°	3880.2	11.1
30°-40°	5607.1	16.0
40°-50°	7462.1	21.3
50°-60°	8346.5	23.9
60°-70°	4704.0	13.4
70°-80°	1048.6	3.0
80°-90°	186.7	0.5
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°	34988.0	100.0
0°-180°	34988.0	100.0

Coefficient of Utilization



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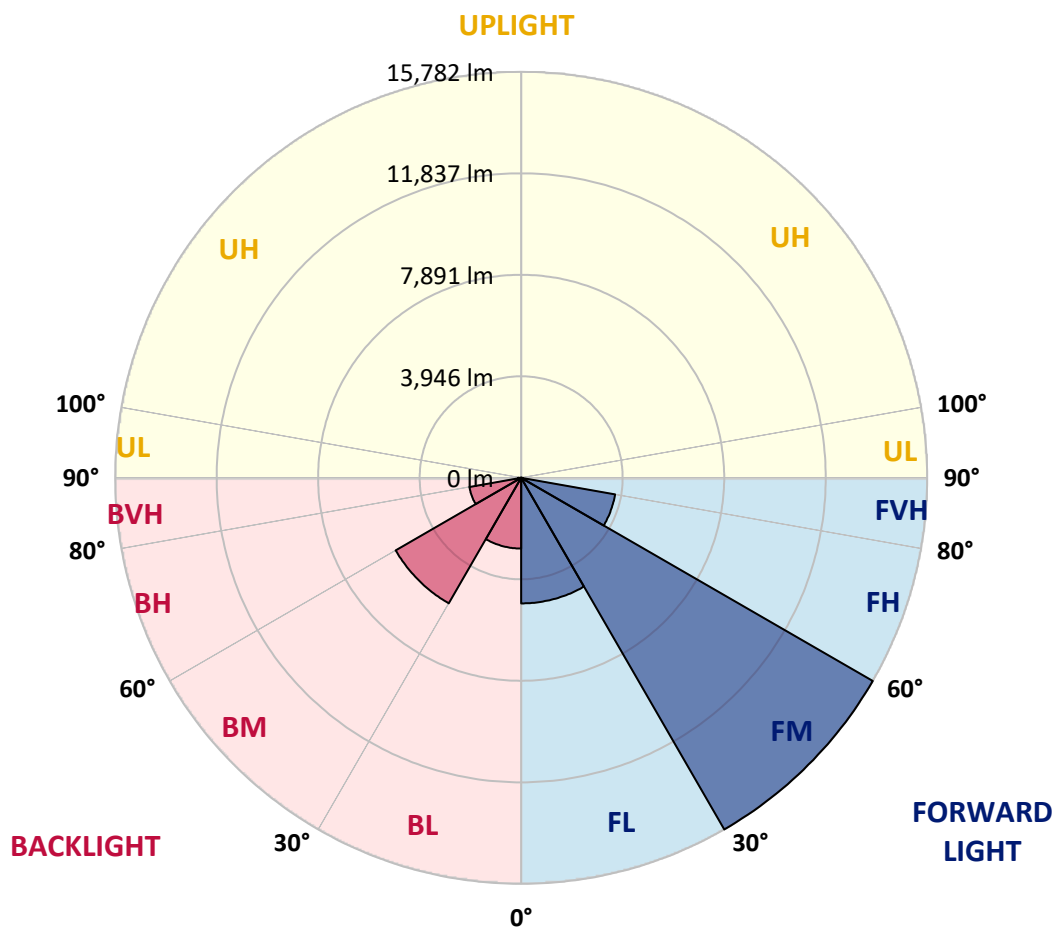
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4882.5	14.0			
FM	(30°-60°)	15782.3	45.1			
FH	(60°-80°)	3708.2	10.6			G2/5000
FVH	(80°-90°)	67.6	0.2			G1/100
BL	(0°-30°)	2750.5	7.9	B4/5000		
BM	(30°-60°)	5633.4	16.1	B4/8500		
BH	(60°-80°)	2044.4	5.8	B3/2500		G3/2500
BVH	(80°-90°)	119.1	0.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	15527.9	15527.9	15527.9	15527.9	15527.9	15527.9	15527.9	15527.9	15527.9	15527.9	15527.9
2.5°	15786.5	16040.1	15766.2	15279.4	14934.6	14620.2	14290.5	14224.6	13793.6	13717.5	13403.1
5°	14888.9	14833.1	14498.4	13859.5	13154.6	12515.6	12044.0	11587.6	11278.3	10918.2	10892.8
7.5°	13798.6	13474.1	13281.4	12312.8	11440.5	10436.4	10005.4	9310.6	9092.6	8768.0	8600.7
10°	12825.0	12586.6	12135.3	11166.7	9949.6	9285.3	8823.8	8448.6	8195.0	7860.3	7439.4
12.5°	12343.2	12246.8	11739.7	10238.7	9336.0	8626.0	8301.5	7936.4	7505.3	6967.8	6759.9
15°	12429.4	12104.9	11719.4	10061.2	8813.7	8129.1	7611.8	7155.4	6602.6	6090.5	5791.3
17.5°	13073.4	12825.0	12054.1	10172.7	8615.9	7627.0	6688.9	6014.4	5517.4	5055.9	4848.0
20°	14341.2	13981.2	13114.0	10314.7	8189.9	6927.2	5852.1	5020.4	4488.0	4244.6	4173.6
22.5°	15745.9	15533.0	14148.5	10634.2	7850.2	6278.1	4964.7	4133.0	3935.2	3869.3	4001.1
25°	17454.9	16902.2	15756.1	11156.6	7586.5	5725.3	4214.1	3752.7	3651.2	3717.2	3869.3
27.5°	18753.1	18606.1	16881.9	11648.5	7226.4	5061.0	3793.2	3489.0	3519.4	3585.3	3727.3
30°	20294.8	19549.3	17972.2	11988.2	6901.8	4604.6	3499.1	3418.0	3448.4	3560.0	3630.9
32.5°	21222.8	20943.9	18656.8	12500.4	6526.6	4209.1	3270.9	3194.8	3240.5	3407.8	3575.2
35°	22404.4	21851.6	19503.7	12632.3	6262.9	4051.9	3108.6	3052.8	3159.3	3276.0	3463.6
37.5°	23783.7	23403.4	20675.1	12541.0	6120.9	3889.6	2971.7	2946.3	3022.4	3184.7	3402.7
40°	24600.2	24483.6	21288.7	12596.8	5897.8	3747.6	2814.5	2844.9	3002.1	3128.9	3341.9
42.5°	25386.2	24625.5	22196.5	12576.5	5755.8	3554.9	2829.7	2794.2	2915.9	3063.0	3265.8
45°	25558.6	24803.0	22409.5	12434.5	5583.3	3367.2	2713.1	2728.3	2875.3	3057.9	3189.8
47.5°	25447.1	24889.2	22805.0	12393.9	5421.1	3235.4	2540.7	2723.2	2809.4	2956.5	3144.1
50°	25371.0	25340.6	23139.7	12586.6	5203.0	3027.5	2332.7	2657.3	2743.5	2890.6	3093.4
52.5°	26040.4	25974.5	23976.4	13093.7	5030.6	2804.4	2119.7	2489.9	2697.9	2839.8	3037.6
55°	26446.1	26157.0	25411.6	13717.5	4741.5	2510.2	1972.7	2282.0	2586.3	2713.1	2915.9
57.5°	23788.8	23591.0	22987.6	12804.7	4254.7	2124.8	1790.1	2069.0	2434.2	2631.9	2839.8
60°	19792.7	19483.4	17936.7	10882.7	3139.0	1653.2	1678.6	1901.7	2393.6	2469.7	2713.1
62.5°	18661.9	17896.1	15791.6	8757.9	2408.8	1419.9	1506.1	1749.5	2180.6	2307.4	2550.8
65°	14807.8	14239.8	11298.5	6323.7	1612.6	1232.3	1374.3	1577.1	1881.4	2129.9	2353.0
67.5°	9270.1	8727.5	6029.6	2992.0	1125.8	1054.8	1227.2	1440.2	1688.7	1911.8	2160.3
70°	4843.0	4249.6	2784.1	1080.2	775.9	862.1	1024.4	1227.2	1470.6	1653.2	1845.9
72.5°	1805.3	1465.6	907.7	466.5	537.5	659.3	831.7	978.7	1151.2	1374.3	1480.8
75°	278.9	238.3	233.3	284.0	365.1	476.7	593.3	740.4	892.5	1034.5	1105.5
77.5°	131.9	126.8	142.0	187.6	243.4	339.8	431.0	573.0	694.7	786.0	826.6
80°	86.2	81.1	91.3	126.8	182.6	253.6	344.8	441.2	552.8	628.8	618.7
82.5°	50.7	55.8	55.8	86.2	126.8	182.6	248.5	334.7	410.8	476.7	436.1
85°	30.4	25.4	25.4	50.7	86.2	147.1	207.9	142.0	147.1	147.1	167.3
87.5°	10.1	10.1	10.1	5.1	10.1	10.1	15.2	25.4	30.4	35.5	45.6
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	15527.9	15527.9	15527.9	15527.9	15527.9	15527.9	15527.9	15527.9	15527.9	15527.9	15527.9
2.5°	13392.9	13550.1	13494.4	13296.6	13448.7	13474.1	13372.6	13722.6	13788.5	13682.0	13712.4
5°	10857.4	10897.9	10989.2	11181.9	11318.8	11481.1	11481.1	11491.2	11354.3	11699.2	11597.7
7.5°	8458.7	8484.0	8590.5	9001.3	9117.9	9427.3	9559.1	9467.9	9194.0	9077.4	9173.7
10°	7302.5	7155.4	7119.9	7170.6	7434.3	7566.2	7677.7	7647.3	7601.7	7510.4	7409.0
12.5°	6531.7	6425.2	6338.9	6217.2	6232.5	6359.2	6445.4	6374.4	6394.7	6415.0	6445.4
15°	5694.9	5618.8	5573.2	5390.6	5370.4	5456.6	5487.0	5527.6	5603.6	5608.7	5573.2
17.5°	4807.5	4741.5	4843.0	4944.4	4873.4	4878.5	4934.2	4969.7	4949.5	4858.2	4812.5
20°	4198.9	4269.9	4371.3	4467.7	4543.8	4589.4	4609.7	4553.9	4488.0	4300.3	4295.3
22.5°	4021.4	4112.7	4198.9	4346.0	4417.0	4533.6	4427.1	4300.3	4209.1	4117.8	4011.3
25°	3889.6	3965.6	4138.1	4193.8	4330.8	4427.1	4351.1	4224.3	4067.1	3935.2	3854.1
27.5°	3793.2	3879.4	3991.0	4143.1	4249.6	4305.4	4229.3	4178.6	4016.4	3859.2	3742.5
30°	3732.4	3823.7	4026.5	4153.3	4244.6	4290.2	4158.4	4097.5	3980.9	3849.0	3747.6
32.5°	3691.8	3772.9	3945.4	4107.6	4168.5	4168.5	4188.8	4117.8	3955.5	3732.4	3646.2
35°	3560.0	3671.5	3813.5	4001.1	4112.7	4178.6	4077.2	3996.1	3889.6	3661.4	3504.2
37.5°	3483.9	3560.0	3742.5	3920.0	4016.4	4087.4	4046.8	3904.8	3762.8	3575.2	3448.4
40°	3402.7	3524.5	3686.7	3854.1	3960.6	4031.6	4001.1	3833.8	3661.4	3483.9	3397.7
42.5°	3347.0	3428.1	3595.5	3783.1	3909.9	4046.8	3955.5	3747.6	3625.9	3382.5	3286.1
45°	3301.3	3433.2	3610.7	3686.7	3818.6	3960.6	3798.3	3671.5	3529.5	3352.0	3270.9
47.5°	3245.5	3367.2	3483.9	3686.7	3747.6	3813.5	3783.1	3580.2	3458.5	3265.8	3210.0
50°	3225.3	3270.9	3483.9	3595.5	3681.7	3747.6	3666.4	3514.3	3397.7	3199.9	3078.2
52.5°	3144.1	3230.3	3367.2	3514.3	3620.8	3701.9	3570.1	3473.7	3316.5	3108.6	3032.6
55°	3042.7	3093.4	3336.8	3489.0	3544.7	3600.5	3549.8	3392.6	3230.3	3017.3	2941.3
57.5°	2910.8	3027.5	3225.3	3438.2	3509.2	3539.7	3458.5	3331.8	3128.9	2941.3	2819.6
60°	2773.9	2895.6	3113.7	3286.1	3357.1	3468.7	3347.0	3270.9	3037.6	2829.7	2697.9
62.5°	2637.0	2773.9	2936.2	3154.3	3215.1	3260.8	3230.3	3123.8	2936.2	2702.9	2540.7
65°	2474.7	2576.1	2779.0	2890.6	2931.1	3037.6	2931.1	2890.6	2723.2	2500.1	2363.2
67.5°	2231.3	2317.5	2495.0	2601.5	2631.9	2677.6	2672.5	2626.9	2439.2	2287.1	2165.4
70°	1952.4	2028.5	2140.0	2266.8	2282.0	2337.8	2287.1	2277.0	2155.2	1947.3	1881.4
72.5°	1567.0	1638.0	1785.0	1840.8	1845.9	1866.2	1840.8	1805.3	1774.9	1556.8	1490.9
75°	1201.9	1242.4	1313.4	1364.1	1364.1	1389.5	1374.3	1338.8	1257.6	1120.7	1054.8
77.5°	836.7	877.3	968.6	999.0	993.9	1004.1	958.4	923.0	801.2	730.2	674.5
80°	608.5	633.9	679.5	699.8	704.9	720.1	664.3	633.9	562.9	481.8	456.4
82.5°	441.2	456.4	461.5	486.8	486.8	461.5	446.3	415.8	365.1	314.4	294.1
85°	182.6	187.6	192.7	223.1	228.2	273.8	253.6	238.3	207.9	177.5	162.3
87.5°	45.6	50.7	65.9	55.8	65.9	65.9	71.0	81.1	81.1	65.9	65.9
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	15527.9	15527.9	15527.9	15527.9	15527.9	15527.9	15527.9	15527.9	15527.9	15527.9	15527.9
2.5°	13829.1	13869.6	14386.9	14452.8	14706.4	14965.0	15487.3	15862.6	16166.9	16364.6	16420.4
5°	11704.2	11962.9	12201.2	12586.6	12936.5	13433.5	14006.5	14716.5	15609.0	16065.4	16248.0
7.5°	9163.6	9467.9	9812.7	10188.0	10700.1	11592.7	12358.4	13179.9	14321.0	14792.6	15507.6
10°	7480.0	7819.7	8276.1	8565.2	9183.9	10035.8	10928.3	11876.7	12967.0	13646.5	14473.1
12.5°	6612.8	6891.7	7312.6	7921.2	8382.6	8935.4	9599.7	10796.5	12358.4	13002.5	13570.4
15°	5654.3	5963.7	6450.5	7125.0	7677.7	8337.0	9082.4	10385.7	12049.1	13043.0	13524.8
17.5°	4863.2	5086.4	5598.6	6181.7	6815.6	7535.7	8605.8	10365.4	12373.6	13646.5	14432.5
20°	4315.6	4346.0	4624.9	5121.9	5984.0	6922.1	8311.6	10264.0	13413.2	14686.1	15680.0
22.5°	3970.7	3940.3	3945.4	4366.3	4969.7	6318.7	7850.2	10608.9	14594.8	16339.3	17008.7
25°	3798.3	3717.2	3666.4	3757.7	4305.4	5603.6	7500.2	11065.3	15867.7	17703.4	18524.9
27.5°	3707.0	3565.0	3463.6	3478.8	3879.4	5243.6	7282.2	11263.0	17130.4	19605.1	19894.2
30°	3671.5	3494.0	3347.0	3296.3	3560.0	4741.5	6815.6	11602.8	18261.2	20649.8	20898.2
32.5°	3544.7	3326.7	3184.7	3139.0	3245.5	4300.3	6480.9	11846.2	19260.3	21785.7	21699.5
35°	3397.7	3215.1	3037.6	2951.4	3027.5	4016.4	6212.2	11729.6	20436.8	22668.1	22622.4
37.5°	3382.5	3144.1	2997.1	2855.1	2850.0	3666.4	5847.0	11841.2	21187.3	24250.3	23626.5
40°	3250.6	3098.5	2905.8	2789.1	2723.2	3489.0	5492.1	11577.5	22287.7	24889.2	24275.6
42.5°	3255.7	3027.5	2860.1	2723.2	2657.3	3230.3	5248.6	11506.5	22673.2	25928.8	24579.9
45°	3174.5	2951.4	2809.4	2647.1	2611.6	3032.6	5015.4	11176.8	23352.7	25979.5	24199.6
47.5°	3093.4	2895.6	2743.5	2550.8	2469.7	2961.6	4832.8	10903.0	22997.7	25502.9	23672.2
50°	3037.6	2809.4	2667.4	2530.5	2302.3	2839.8	4594.5	10837.1	22500.7	24858.8	22693.4
52.5°	2941.3	2738.4	2591.4	2484.9	2119.7	2728.3	4503.2	11222.5	23109.3	24377.1	22409.5
55°	2850.0	2642.1	2454.4	2246.5	1967.6	2434.2	4249.6	11582.5	23996.7	25487.6	23697.5
57.5°	2753.6	2555.9	2353.0	2104.5	1820.5	2129.9	3985.9	11648.5	22333.4	23555.5	22495.7
60°	2626.9	2373.3	2221.2	1896.6	1663.3	1764.8	3159.3	10269.1	17323.1	19671.0	19706.5
62.5°	2484.9	2211.0	2079.2	1698.8	1501.1	1521.3	2576.1	8631.1	14052.2	16283.5	17252.1
65°	2297.2	2033.5	1876.3	1572.1	1384.4	1318.5	1886.5	6323.7	10674.8	13210.4	14310.8
67.5°	2053.8	1805.3	1607.6	1369.2	1237.4	1130.9	1288.1	3560.0	6303.5	8869.5	9204.2
70°	1795.2	1582.2	1374.3	1176.5	1029.4	953.4	943.2	1577.1	3012.3	4772.0	5431.2
72.5°	1414.9	1262.7	1095.4	948.3	852.0	740.4	674.5	654.2	1019.3	1942.3	2682.6
75°	1014.2	887.5	791.1	694.7	623.8	562.9	512.2	466.5	426.0	486.8	669.4
77.5°	639.0	593.3	517.3	491.9	451.3	436.1	415.8	390.5	360.1	339.8	339.8
80°	431.0	400.6	375.3	370.2	355.0	349.9	355.0	329.6	299.2	273.8	284.0
82.5°	289.1	284.0	278.9	273.8	278.9	284.0	294.1	289.1	263.7	248.5	253.6
85°	172.4	182.6	192.7	202.8	223.1	197.8	162.3	136.9	121.7	111.6	106.5
87.5°	65.9	91.3	81.1	76.1	81.1	76.1	71.0	65.9	55.8	50.7	50.7
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	15527.9	15527.9	15527.9	15527.9	15527.9	15527.9	15527.9	15527.9	15527.9	15527.9
2.5°	16790.6	16892.0	16978.2	16958.0	16780.5	16542.1	16445.8	15953.9	15852.4	15786.5
5°	17018.8	17607.1	17733.8	17657.8	17196.3	16613.1	16045.1	15325.0	14904.1	14888.9
7.5°	16597.9	17323.1	17551.3	17723.7	17110.1	16095.9	15122.2	14042.0	13778.3	13798.6
10°	15527.9	16684.1	17247.0	17424.5	16719.6	15842.3	14493.4	13398.0	12835.1	12825.0
12.5°	14934.6	15842.3	15999.5	16248.0	16040.1	15152.6	14128.2	12901.0	12353.3	12343.2
15°	14407.2	15005.6	15051.2	15401.1	15512.7	14914.3	14224.6	12916.2	12475.1	12429.4
17.5°	14868.6	14452.8	14280.4	14326.0	14655.7	14873.7	14782.4	13778.3	13327.0	13073.4
20°	15178.0	14250.0	13727.6	13778.3	14168.8	14965.0	15614.1	15025.8	14310.8	14341.2
22.5°	16004.6	14280.4	13463.9	13408.1	14026.8	15441.7	16552.3	16603.0	15913.3	15745.9
25°	17241.9	14630.3	13382.8	13367.6	13960.9	15953.9	17647.6	18469.2	17764.3	17454.9
27.5°	18235.9	15178.0	13636.3	13687.1	14168.8	16369.7	18580.7	19671.0	19133.5	18753.1
30°	19108.1	15745.9	13991.3	13758.1	14726.6	16587.8	18981.3	21040.2	20609.2	20294.8
32.5°	19468.2	16552.3	14554.2	14168.8	15188.1	16851.5	19813.0	22368.9	21998.7	21222.8
35°	20076.7	17003.6	14858.5	14828.1	15994.4	17485.4	20203.5	23246.2	23094.1	22404.4
37.5°	20563.6	17460.0	15938.7	15604.0	17099.9	18550.3	20832.3	24458.2	24108.3	23783.7
40°	20938.8	18276.5	16947.8	17389.0	18459.0	19518.9	21410.4	24534.3	25543.4	24600.2
42.5°	20594.0	19006.7	18606.1	19660.9	20675.1	20624.4	21476.4	25122.5	25878.1	25386.2
45°	20507.8	20244.1	21227.9	22186.3	22419.6	21542.3	21004.7	24473.4	25776.7	25558.6
47.5°	20299.9	21461.1	23175.2	24737.1	24382.1	22155.9	20441.8	24356.8	25837.6	25447.1
50°	20228.9	21724.8	24615.4	26136.8	25923.8	22688.4	20178.1	23606.2	25406.5	25371.0
52.5°	20223.8	22267.5	25213.8	26897.4	27029.3	23530.2	20538.2	23986.6	25741.2	26040.4
55°	20452.0	22095.0	25137.7	26476.5	26425.8	23154.9	20578.8	24240.1	26152.0	26446.1
57.5°	19290.7	19792.7	20746.1	21806.0	21532.1	19179.1	18377.9	22409.5	24001.8	23788.8
60°	16658.8	15086.7	14011.6	13960.9	13428.4	12693.1	15041.1	20000.7	20000.7	19792.7
62.5°	14589.7	9904.0	8509.4	8113.9	8494.2	9341.1	14508.6	19453.0	18900.2	18661.9
65°	12759.0	7561.1	6151.3	6039.8	6699.0	7976.9	13119.1	16572.5	15598.9	14807.8
67.5°	8210.2	5537.7	4574.2	4376.4	5172.6	5857.2	8732.5	10193.0	9579.4	9270.1
70°	5294.3	3605.6	2545.7	2388.5	2697.9	3610.7	5578.3	5943.4	5050.9	4843.0
72.5°	2505.2	1556.8	892.5	735.3	826.6	1379.4	2206.0	2373.3	1972.7	1805.3
75°	796.2	573.0	365.1	314.4	299.2	355.0	507.1	390.5	284.0	278.9
77.5°	355.0	339.8	289.1	243.4	213.0	177.5	147.1	121.7	126.8	131.9
80°	294.1	268.8	238.3	213.0	177.5	136.9	106.5	81.1	81.1	86.2
82.5°	258.6	233.3	207.9	177.5	152.1	111.6	81.1	55.8	50.7	50.7
85°	111.6	131.9	142.0	152.1	121.7	91.3	55.8	35.5	30.4	30.4
87.5°	45.6	40.6	35.5	30.4	25.4	25.4	20.3	15.2	10.1	10.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)