

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: P531514

Luminaire Tested: **GLAN-SA6D-740-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531514
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-SA6D-740-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 1200mA 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: 34165 lumens
Efficiency: N/A
Efficacy: 92.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G3

Input Watts (W): 368
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



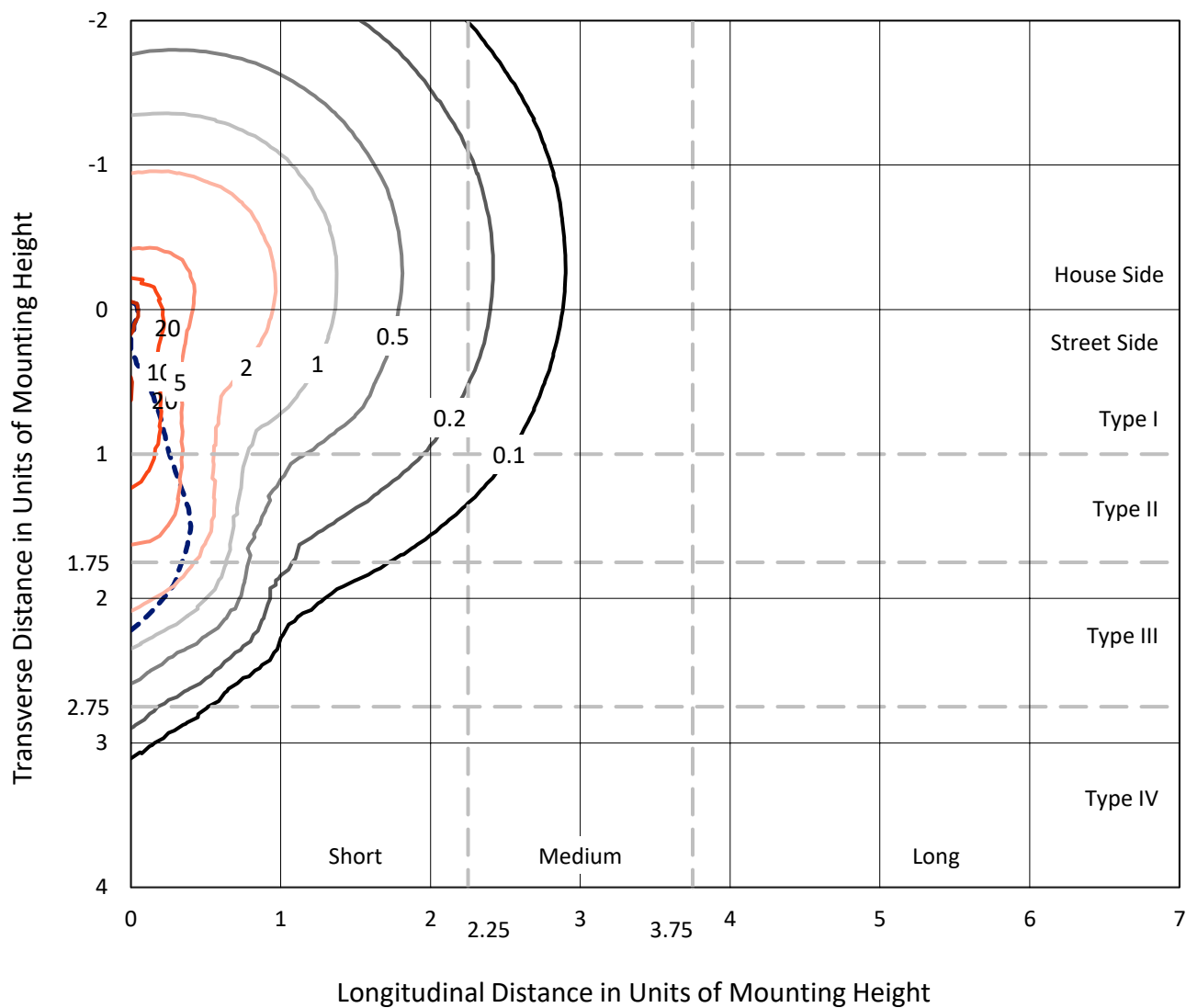
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



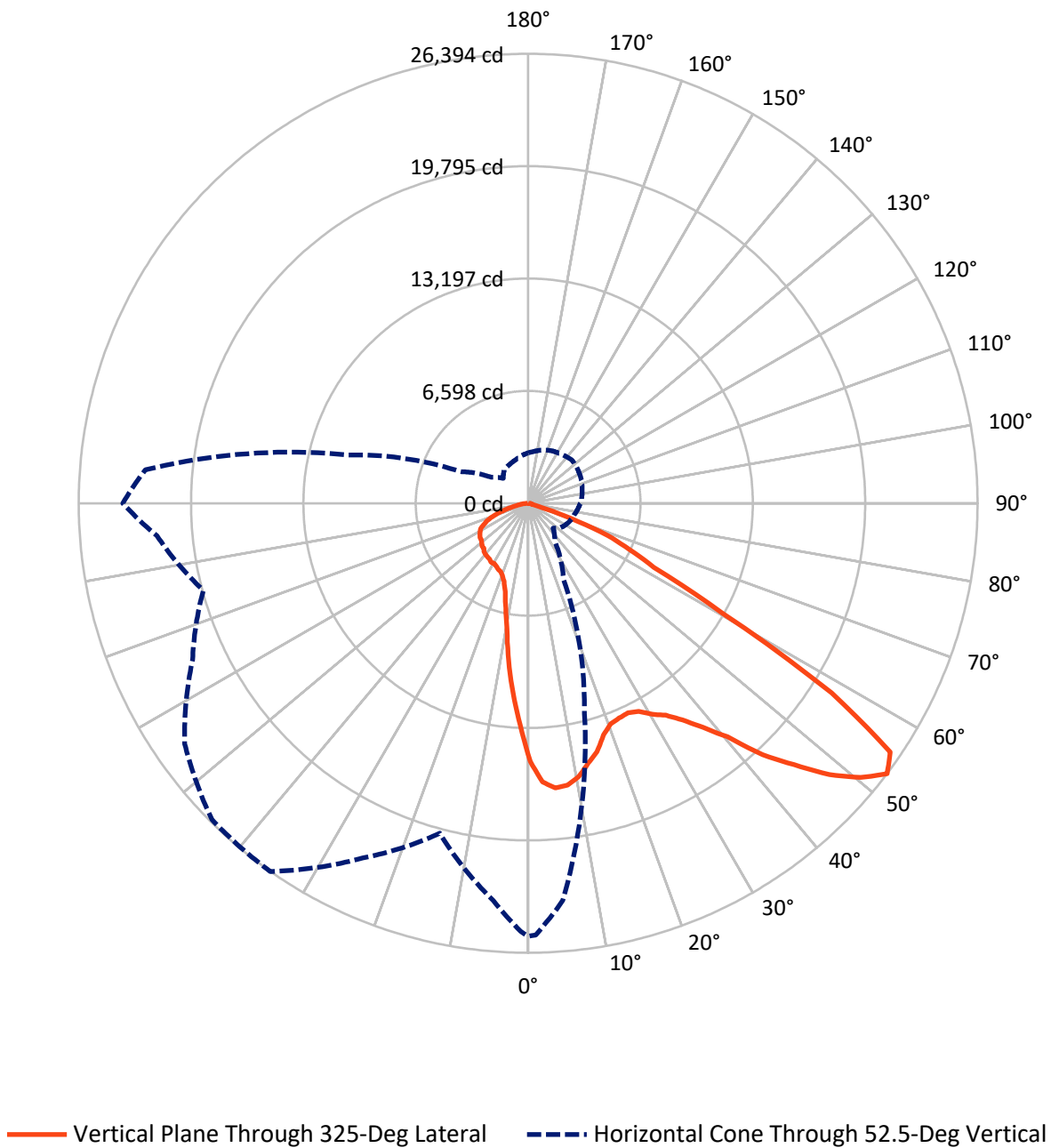
Based on 25 foot mounting height. Maximum calculated value = 24.3 fc

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	10299.3	0.0	10299.3
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	23865.7	0.0	23865.7
	% Fixture	69.9	0.0	69.9
Total	Lumens	34165.0	0.0	34165.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1156.8	3.4
10°-20°	2507.7	7.3
20°-30°	3789.0	11.1
30°-40°	5475.2	16.0
40°-50°	7286.5	21.3
50°-60°	8150.2	23.9
60°-70°	4593.4	13.4
70°-80°	1023.9	3.0
80°-90°	182.3	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°	34165.0	100.0
0°-180°	34165.0	100.0

Coefficient of Utilization



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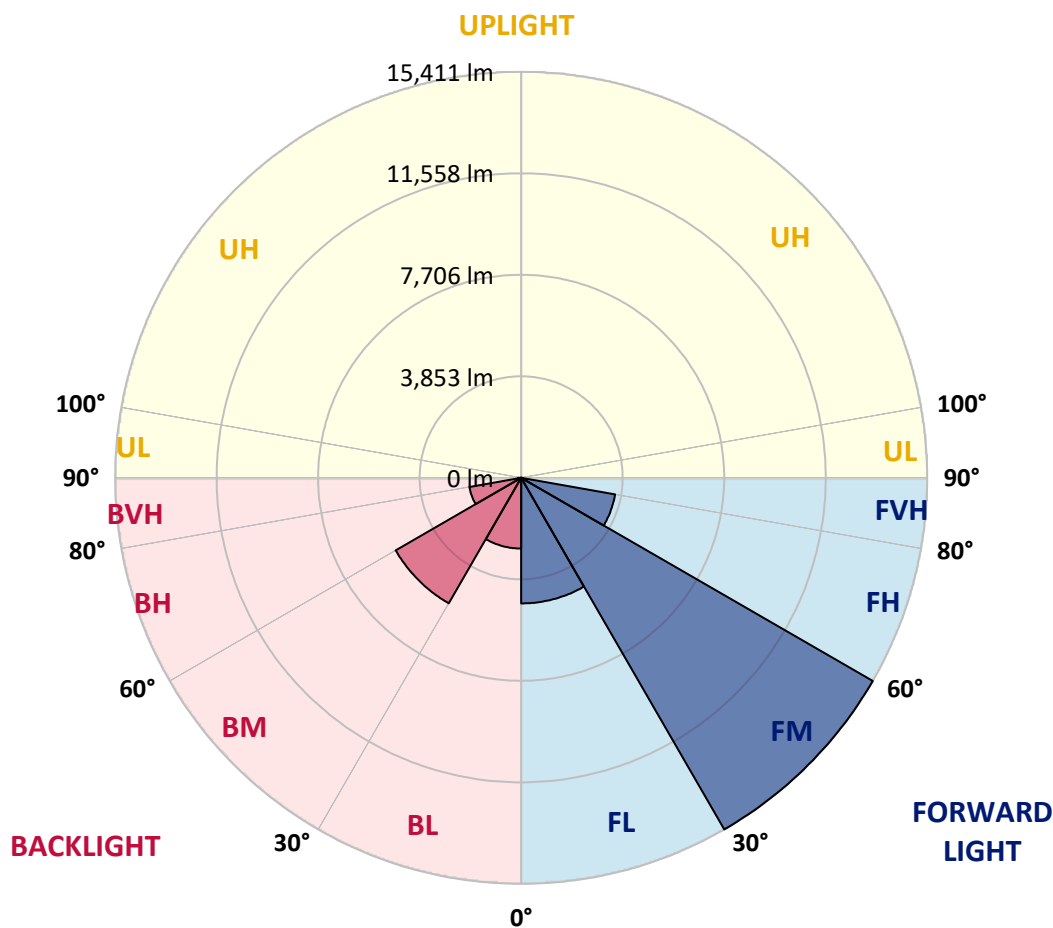
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4767.6	14.0			
FM	(30°-60°)	15411.0	45.1			
FH	(60°-80°)	3621.0	10.6			G2/5000
FVH	(80°-90°)	66.0	0.2			G1/100
BL	(0°-30°)	2685.8	7.9	B4/5000		
BM	(30°-60°)	5500.9	16.1	B4/8500		
BH	(60°-80°)	1996.3	5.8	B3/2500		G3/2500
BVH	(80°-90°)	116.3	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°	15162.6	15162.6	15162.6	15162.6	15162.6	15162.6	15162.6	15162.6	15162.6	15162.6	15162.6
2.5°	15415.2	15662.8	15395.4	14920.0	14583.3	14276.3	13954.4	13890.0	13469.1	13394.8	13087.8
5°	14538.7	14484.2	14157.4	13533.5	12845.2	12221.2	11760.7	11315.0	11013.0	10661.4	10636.6
7.5°	13474.0	13157.1	12969.0	12023.1	11171.4	10191.0	9770.0	9091.6	8878.7	8561.8	8398.4
10°	12523.3	12290.6	11849.8	10904.0	9715.6	9066.9	8616.3	8249.8	8002.2	7675.4	7264.4
12.5°	12052.9	11958.8	11463.6	9997.8	9116.4	8423.1	8106.2	7749.7	7328.8	6803.9	6600.8
15°	12137.0	11820.1	11443.8	9824.5	8606.4	7937.9	7432.8	6987.1	6447.3	5947.2	5655.0
17.5°	12765.9	12523.3	11770.6	9933.5	8413.2	7447.6	6531.5	5872.9	5387.6	4937.0	4734.0
20°	14003.9	13652.3	12805.5	10072.1	7997.3	6764.3	5714.5	4902.4	4382.4	4144.7	4075.4
22.5°	15375.6	15167.6	13815.7	10384.1	7665.5	6130.4	4847.9	4035.8	3842.7	3778.3	3907.0
25°	17044.3	16504.6	15385.5	10894.1	7408.0	5590.7	4115.0	3664.4	3565.3	3629.7	3778.3
27.5°	18312.0	18168.4	16484.8	11374.5	7056.4	4942.0	3704.0	3406.9	3436.6	3501.0	3639.6
30°	19817.4	19089.5	17549.4	11706.2	6739.5	4496.3	3416.8	3337.6	3367.3	3476.2	3545.5
32.5°	20723.6	20451.2	18217.9	12206.4	6373.1	4110.1	3194.0	3119.7	3164.2	3327.7	3491.1
35°	21877.4	21337.6	19044.9	12335.1	6115.6	3956.5	3035.5	2981.0	3085.0	3198.9	3382.1
37.5°	23224.3	22852.9	20188.8	12246.0	5976.9	3798.1	2901.8	2877.0	2951.3	3109.8	3322.7
40°	24021.5	23907.6	20788.0	12300.5	5759.0	3659.4	2748.3	2778.0	2931.5	3055.3	3263.3
42.5°	24789.1	24046.3	21674.4	12280.6	5620.4	3471.3	2763.1	2728.5	2847.3	2990.9	3189.0
45°	24957.4	24219.6	21882.3	12142.0	5452.0	3288.0	2649.3	2664.1	2807.7	2986.0	3114.7
47.5°	24848.5	24303.8	22268.6	12102.4	5293.6	3159.3	2480.9	2659.2	2743.3	2886.9	3070.2
50°	24774.2	24744.5	22595.4	12290.6	5080.6	2956.3	2277.9	2594.8	2679.0	2822.6	3020.6
52.5°	25427.9	25363.5	23412.5	12785.7	4912.3	2738.4	2069.9	2431.4	2634.4	2773.0	2966.2
55°	25824.0	25541.8	24813.8	13394.8	4630.0	2451.2	1926.3	2228.3	2525.5	2649.3	2847.3
57.5°	23229.2	23036.1	22446.8	12503.5	4154.6	2074.8	1748.0	2020.4	2376.9	2570.0	2773.0
60°	19327.2	19025.1	17514.8	10626.7	3065.2	1614.3	1639.1	1857.0	2337.3	2411.6	2649.3
62.5°	18222.9	17475.2	15420.1	8551.9	2352.1	1386.5	1470.7	1708.4	2129.3	2253.1	2490.8
65°	14459.5	13904.9	11032.8	6175.0	1574.7	1203.3	1342.0	1540.0	1837.1	2079.8	2297.7
67.5°	9052.0	8522.2	5887.8	2921.6	1099.3	1030.0	1198.4	1406.3	1649.0	1866.9	2109.5
70°	4729.0	4149.7	2718.6	1054.7	757.6	841.8	1000.3	1198.4	1436.0	1614.3	1802.5
72.5°	1762.9	1431.1	886.4	455.6	524.9	643.7	812.1	955.7	1124.1	1342.0	1445.9
75°	272.4	232.7	227.8	277.3	356.5	465.5	579.4	723.0	871.5	1010.2	1079.5
77.5°	128.7	123.8	138.7	183.2	237.7	331.8	420.9	559.6	678.4	767.5	807.2
80°	84.2	79.2	89.1	123.8	178.3	247.6	336.7	430.8	539.8	614.0	604.1
82.5°	49.5	54.5	54.5	84.2	123.8	178.3	242.6	326.8	401.1	465.5	425.9
85°	29.7	24.8	24.8	49.5	84.2	143.6	203.0	138.7	143.6	143.6	163.4
87.5°	9.9	9.9	9.9	5.0	9.9	9.9	14.9	24.8	29.7	34.7	44.6
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°	15162.6	15162.6	15162.6	15162.6	15162.6	15162.6	15162.6	15162.6	15162.6	15162.6	15162.6
2.5°	13077.9	13231.4	13176.9	12983.8	13132.4	13157.1	13058.1	13399.8	13464.1	13360.2	13389.9
5°	10602.0	10641.6	10730.7	10918.9	11052.6	11211.0	11211.0	11220.9	11087.2	11424.0	11324.9
7.5°	8259.7	8284.5	8388.5	8789.6	8903.5	9205.5	9334.3	9245.1	8977.7	8863.9	8957.9
10°	7130.7	6987.1	6952.4	7001.9	7259.4	7388.2	7497.1	7467.4	7422.9	7333.7	7234.7
12.5°	6378.0	6274.0	6189.8	6071.0	6085.9	6209.6	6293.8	6224.5	6244.3	6264.1	6293.8
15°	5561.0	5486.7	5442.1	5263.8	5244.0	5328.2	5357.9	5397.5	5471.8	5476.8	5442.1
17.5°	4694.4	4630.0	4729.0	4828.1	4758.8	4763.7	4818.2	4852.8	4833.0	4743.9	4699.3
20°	4100.2	4169.5	4268.5	4362.6	4436.9	4481.4	4501.3	4446.8	4382.4	4199.2	4194.2
22.5°	3926.8	4016.0	4100.2	4243.8	4313.1	4427.0	4323.0	4199.2	4110.1	4020.9	3916.9
25°	3798.1	3872.4	4040.7	4095.2	4228.9	4323.0	4248.7	4124.9	3971.4	3842.7	3763.4
27.5°	3704.0	3788.2	3897.1	4045.7	4149.7	4204.1	4129.9	4080.3	3921.9	3768.4	3654.5
30°	3644.6	3733.7	3931.8	4055.6	4144.7	4189.3	4060.5	4001.1	3887.2	3758.5	3659.4
32.5°	3605.0	3684.2	3852.6	4011.0	4070.4	4070.4	4090.2	4020.9	3862.5	3644.6	3560.4
35°	3476.2	3585.2	3723.8	3907.0	4016.0	4080.3	3981.3	3902.1	3798.1	3575.3	3421.7
37.5°	3401.9	3476.2	3654.5	3827.8	3921.9	3991.2	3951.6	3812.9	3674.3	3491.1	3367.3
40°	3322.7	3441.6	3600.0	3763.4	3867.4	3936.7	3907.0	3743.6	3575.3	3401.9	3317.8
42.5°	3268.2	3347.5	3510.9	3694.1	3817.9	3951.6	3862.5	3659.4	3540.6	3302.9	3208.8
45°	3223.7	3352.4	3525.7	3600.0	3728.8	3867.4	3709.0	3585.2	3446.5	3273.2	3194.0
47.5°	3169.2	3288.0	3401.9	3600.0	3659.4	3723.8	3694.1	3496.0	3377.2	3189.0	3134.5
50°	3149.4	3194.0	3401.9	3510.9	3595.1	3659.4	3580.2	3431.6	3317.8	3124.6	3005.8
52.5°	3070.2	3154.3	3288.0	3431.6	3535.6	3614.9	3486.1	3392.0	3238.5	3035.5	2961.2
55°	2971.1	3020.6	3258.3	3406.9	3461.4	3515.8	3466.3	3312.8	3154.3	2946.4	2872.1
57.5°	2842.4	2956.3	3149.4	3357.4	3426.7	3456.4	3377.2	3253.4	3055.3	2872.1	2753.2
60°	2708.7	2827.5	3040.5	3208.8	3278.1	3387.1	3268.2	3194.0	2966.2	2763.1	2634.4
62.5°	2575.0	2708.7	2867.1	3080.1	3139.5	3184.1	3154.3	3050.4	2867.1	2639.3	2480.9
65°	2416.5	2515.6	2713.6	2822.6	2862.2	2966.2	2862.2	2822.6	2659.2	2441.3	2307.6
67.5°	2178.8	2263.0	2436.3	2540.3	2570.0	2614.6	2609.6	2565.1	2381.9	2233.3	2114.5
70°	1906.5	1980.7	2089.7	2213.5	2228.3	2282.8	2233.3	2223.4	2104.5	1901.5	1837.1
72.5°	1530.1	1599.5	1743.1	1797.5	1802.5	1822.3	1797.5	1762.9	1733.2	1520.2	1455.9
75°	1173.6	1213.2	1282.5	1332.1	1332.1	1356.8	1342.0	1307.3	1228.1	1094.4	1030.0
77.5°	817.1	856.7	945.8	975.5	970.6	980.5	935.9	901.2	782.4	713.1	658.6
80°	594.2	619.0	663.6	683.4	688.3	703.2	648.7	619.0	549.7	470.4	445.7
82.5°	430.8	445.7	450.6	475.4	475.4	450.6	435.8	406.1	356.5	307.0	287.2
85°	178.3	183.2	188.2	217.9	222.8	267.4	247.6	232.7	203.0	173.3	158.5
87.5°	44.6	49.5	64.4	54.5	64.4	64.4	69.3	79.2	79.2	64.4	64.4
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°	15162.6	15162.6	15162.6	15162.6	15162.6	15162.6	15162.6	15162.6	15162.6	15162.6	15162.6
2.5°	13503.8	13543.4	14048.5	14112.8	14360.4	14613.0	15123.0	15489.5	15786.6	15979.7	16034.2
5°	11428.9	11681.5	11914.2	12290.6	12632.2	13117.5	13677.1	14370.3	15241.9	15687.5	15865.8
7.5°	8948.0	9245.1	9581.9	9948.3	10448.5	11320.0	12067.7	12869.9	13984.1	14444.6	15142.8
10°	7304.0	7635.8	8081.5	8363.7	8967.8	9799.8	10671.3	11597.3	12661.9	13325.5	14132.6
12.5°	6457.2	6729.6	7140.6	7734.8	8185.4	8725.2	9373.9	10542.5	12067.7	12696.6	13251.2
15°	5521.3	5823.4	6298.8	6957.4	7497.1	8140.9	8868.8	10141.4	11765.7	12736.2	13206.6
17.5°	4748.8	4966.7	5466.9	6036.3	6655.3	7358.5	8403.3	10121.6	12082.6	13325.5	14093.0
20°	4214.0	4243.8	4516.1	5001.4	5843.2	6759.3	8116.1	10022.6	13097.7	14340.6	15311.2
22.5°	3877.3	3847.6	3852.6	4263.6	4852.8	6170.0	7665.5	10359.3	14251.5	15954.9	16608.6
25°	3709.0	3629.7	3580.2	3669.3	4204.1	5471.8	7323.8	10805.0	15494.4	17287.0	18089.2
27.5°	3619.8	3481.2	3382.1	3397.0	3788.2	5120.2	7110.9	10998.1	16727.4	19143.9	19426.2
30°	3585.2	3411.8	3268.2	3218.7	3476.2	4630.0	6655.3	11329.9	17831.7	20164.0	20406.7
32.5°	3461.4	3248.4	3109.8	3065.2	3169.2	4199.2	6328.5	11567.6	18807.2	21273.2	21189.1
35°	3317.8	3139.5	2966.2	2882.0	2956.3	3921.9	6066.0	11453.7	19956.1	22134.9	22090.3
37.5°	3302.9	3070.2	2926.6	2787.9	2783.0	3580.2	5709.5	11562.6	20688.9	23679.9	23070.8
40°	3174.2	3025.6	2837.4	2723.5	2659.2	3406.9	5362.9	11305.1	21763.5	24303.8	23704.6
42.5°	3179.1	2956.3	2792.9	2659.2	2594.8	3154.3	5125.2	11235.8	22139.8	25318.9	24001.7
45°	3099.9	2882.0	2743.3	2584.9	2550.2	2961.2	4897.4	10913.9	22803.4	25368.4	23630.3
47.5°	3020.6	2827.5	2679.0	2490.8	2411.6	2891.9	4719.1	10646.5	22456.7	24903.0	23115.3
50°	2966.2	2743.3	2604.7	2471.0	2248.2	2773.0	4486.4	10582.2	21971.5	24274.1	22159.6
52.5°	2872.1	2674.0	2530.4	2426.4	2069.9	2664.1	4397.3	10958.5	22565.7	23803.7	21882.3
55°	2783.0	2579.9	2396.7	2193.7	1921.3	2376.9	4149.7	11310.1	23432.3	24888.1	23140.1
57.5°	2688.9	2495.7	2297.7	2055.0	1777.7	2079.8	3892.2	11374.5	21808.1	23001.5	21966.5
60°	2565.1	2317.5	2168.9	1852.0	1624.2	1723.3	3085.0	10027.5	16915.6	19208.3	19243.0
62.5°	2426.4	2159.0	2030.3	1658.9	1465.8	1485.6	2515.6	8428.1	13721.6	15900.5	16846.3
65°	2243.2	1985.7	1832.2	1535.1	1351.9	1287.5	1842.1	6175.0	10423.7	12899.6	13974.2
67.5°	2005.5	1762.9	1569.7	1337.0	1208.3	1104.3	1257.8	3476.2	6155.2	8660.8	8987.7
70°	1753.0	1545.0	1342.0	1148.8	1005.2	931.0	921.0	1540.0	2941.4	4659.7	5303.5
72.5°	1381.6	1233.0	1069.6	926.0	831.9	723.0	658.6	638.8	995.3	1896.6	2619.5
75°	990.4	866.6	772.5	678.4	609.1	549.7	500.1	455.6	416.0	475.4	653.6
77.5°	623.9	579.4	505.1	480.3	440.7	425.9	406.1	381.3	351.6	331.8	331.8
80°	420.9	391.2	366.4	361.5	346.6	341.7	346.6	321.9	292.2	267.4	277.3
82.5°	282.3	277.3	272.4	267.4	272.4	277.3	287.2	282.3	257.5	242.6	247.6
85°	168.4	178.3	188.2	198.1	217.9	193.1	158.5	133.7	118.8	108.9	104.0
87.5°	64.4	89.1	79.2	74.3	79.2	74.3	69.3	64.4	54.5	49.5	49.5
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	15162.6	15162.6	15162.6	15162.6	15162.6	15162.6	15162.6	15162.6	15162.6	15162.6
2.5°	16395.7	16494.7	16578.9	16559.1	16385.7	16153.0	16058.9	15578.6	15479.6	15415.2
5°	16618.5	17192.9	17316.7	17242.4	16791.8	16222.3	15667.7	14964.6	14553.6	14538.7
7.5°	16207.5	16915.6	17138.4	17306.8	16707.6	15717.2	14766.5	13711.7	13454.2	13474.0
10°	15162.6	16291.7	16841.3	17014.6	16326.3	15469.7	14152.5	13082.9	12533.2	12523.3
12.5°	14583.3	15469.7	15623.2	15865.8	15662.8	14796.2	13795.9	12597.6	12062.8	12052.9
15°	14068.3	14652.6	14697.2	15038.8	15147.8	14563.5	13890.0	12612.4	12181.6	12137.0
17.5°	14518.9	14112.8	13944.5	13989.0	14310.9	14523.8	14434.7	13454.2	13013.5	12765.9
20°	14821.0	13914.8	13404.7	13454.2	13835.5	14613.0	15246.8	14672.4	13974.2	14003.9
22.5°	15628.1	13944.5	13147.2	13092.8	13696.9	15078.5	16162.9	16212.4	15539.0	15375.6
25°	16836.4	14286.2	13068.0	13053.1	13632.5	15578.6	17232.5	18034.7	17346.4	17044.3
27.5°	17806.9	14821.0	13315.6	13365.1	13835.5	15984.6	18143.7	19208.3	18683.4	18312.0
30°	18658.7	15375.6	13662.2	13434.4	14380.2	16197.6	18534.9	20545.3	20124.4	19817.4
32.5°	19010.2	16162.9	14211.9	13835.5	14830.9	16455.1	19347.0	21842.7	21481.2	20723.6
35°	19604.5	16603.6	14509.0	14479.3	15618.2	17074.1	19728.3	22699.4	22550.8	21877.4
37.5°	20079.8	17049.3	15563.7	15236.9	16697.7	18114.0	20342.3	23882.9	23541.2	23224.3
40°	20446.3	17846.6	16549.2	16980.0	18024.8	19059.8	20906.8	23957.2	24942.6	24021.5
42.5°	20109.6	18559.6	18168.4	19198.4	20188.8	20139.3	20971.2	24531.6	25269.4	24789.1
45°	20025.4	19767.9	20728.5	21664.4	21892.2	21035.6	20510.7	23897.7	25170.4	24957.4
47.5°	19822.4	20956.3	22630.1	24155.2	23808.6	21634.7	19961.0	23783.8	25229.8	24848.5
50°	19753.0	21213.8	24036.4	25522.0	25314.0	22154.7	19703.5	23051.0	24808.9	24774.2
52.5°	19748.1	21743.7	24620.7	26264.7	26393.5	22976.7	20055.1	23422.4	25135.7	25427.9
55°	19970.9	21575.3	24546.4	25853.7	25804.2	22610.3	20094.7	23670.0	25536.8	25824.0
57.5°	18836.9	19327.2	20258.1	21293.1	21025.7	18728.0	17945.6	21882.3	23437.2	23229.2
60°	16266.9	14731.8	13682.0	13632.5	13112.6	12394.5	14687.3	19530.2	19530.2	19327.2
62.5°	14246.5	9671.0	8309.2	7923.0	8294.4	9121.4	14167.3	18995.4	18455.6	18222.9
65°	12458.9	7383.2	6006.6	5897.7	6541.4	7789.3	12810.5	16182.7	15232.0	14459.5
67.5°	8017.1	5407.4	4466.6	4273.5	5050.9	5719.4	8527.1	9953.3	9354.1	9052.0
70°	5169.8	3520.8	2485.8	2332.3	2634.4	3525.7	5447.1	5803.6	4932.1	4729.0
72.5°	2446.2	1520.2	871.5	718.0	807.2	1346.9	2154.1	2317.5	1926.3	1762.9
75°	777.4	559.6	356.5	307.0	292.2	346.6	495.2	381.3	277.3	272.4
77.5°	346.6	331.8	282.3	237.7	208.0	173.3	143.6	118.8	123.8	128.7
80°	287.2	262.4	232.7	208.0	173.3	133.7	104.0	79.2	79.2	84.2
82.5°	252.5	227.8	203.0	173.3	148.6	108.9	79.2	54.5	49.5	49.5
85°	108.9	128.7	138.7	148.6	118.8	89.1	54.5	34.7	29.7	29.7
87.5°	44.6	39.6	34.7	29.7	24.8	24.8	19.8	14.9	9.9	9.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)