

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: P532164

Luminaire Tested: **GLAN-SA7C-730-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532164
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-SA7C-730-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 1050mA 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: 33213 lumens
Efficiency: N/A
Efficacy: 88.1 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): 377
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



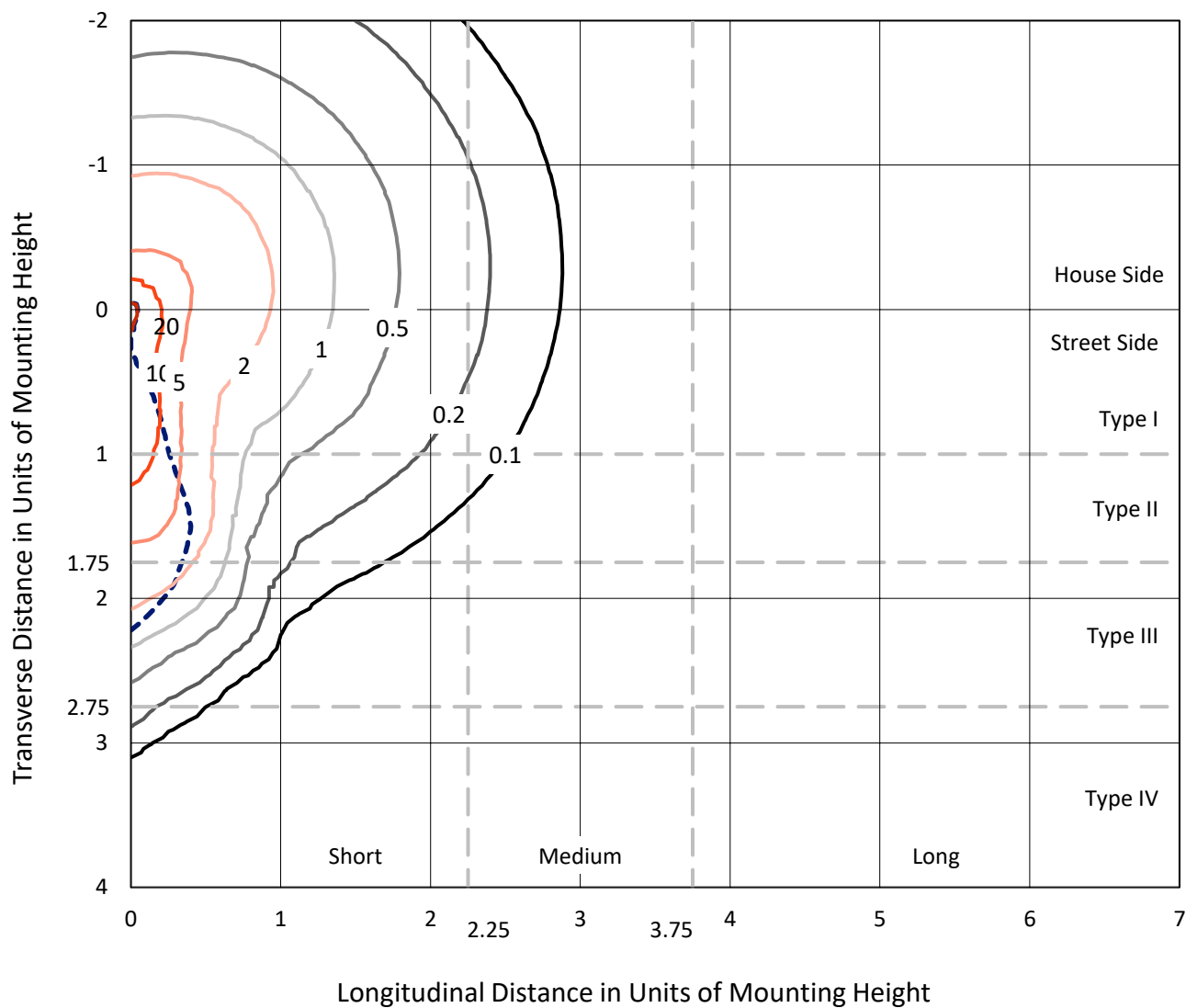
REPORT NUMBER: P532164

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

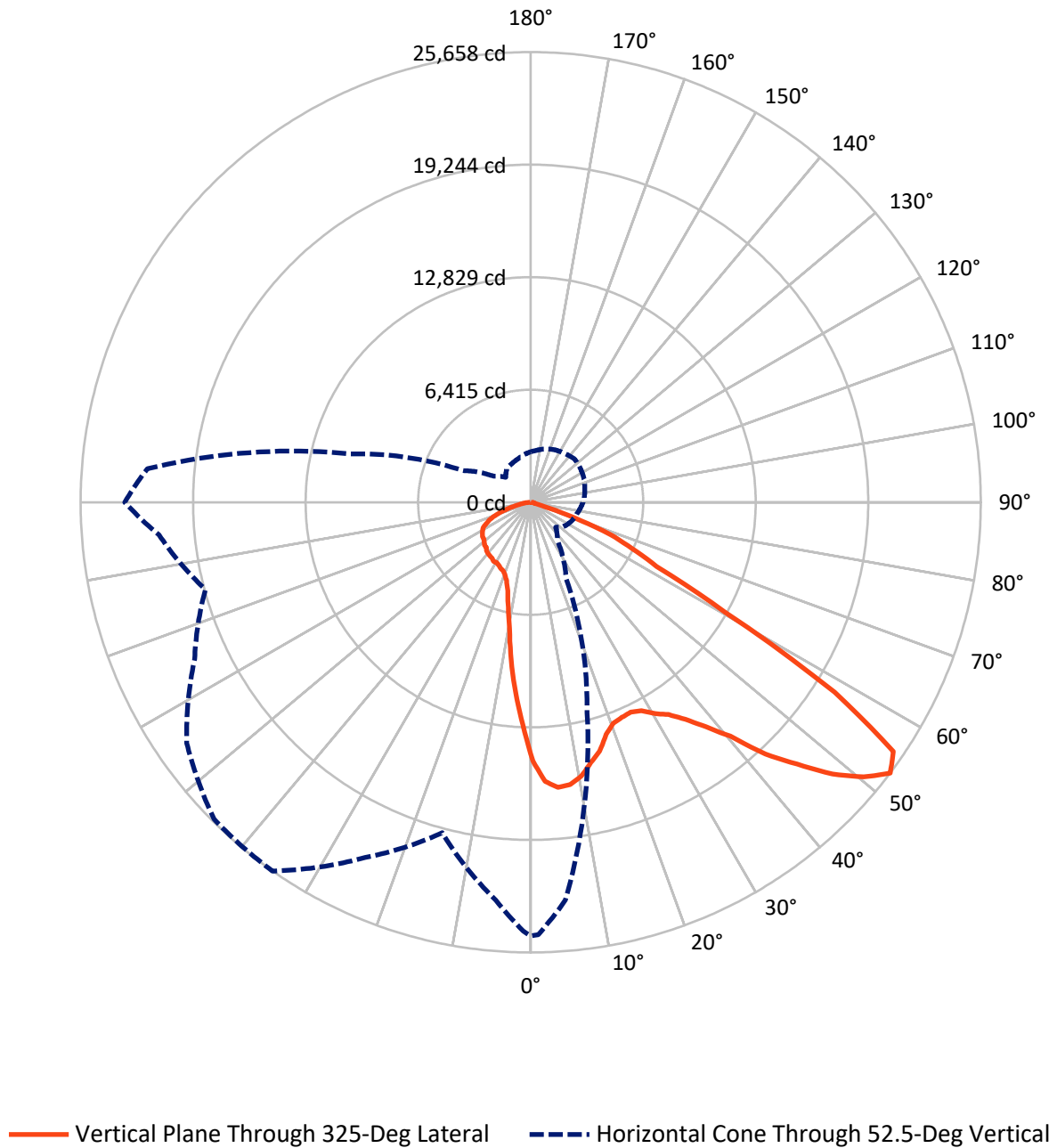
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 23.6 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	10012.3	0.0	10012.3
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	23200.7	0.0	23200.7
	% Fixture	69.9	0.0	69.9
Total	Lumens	33213.0	0.0	33213.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1124.5	3.4
10°-20°	2437.8	7.3
20°-30°	3683.4	11.1
30°-40°	5322.6	16.0
40°-50°	7083.5	21.3
50°-60°	7923.1	23.9
60°-70°	4465.4	13.4
70°-80°	995.4	3.0
80°-90°	177.3	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°	33213.0	100.0
0°-180°	33213.0	100.0

Coefficient of Utilization



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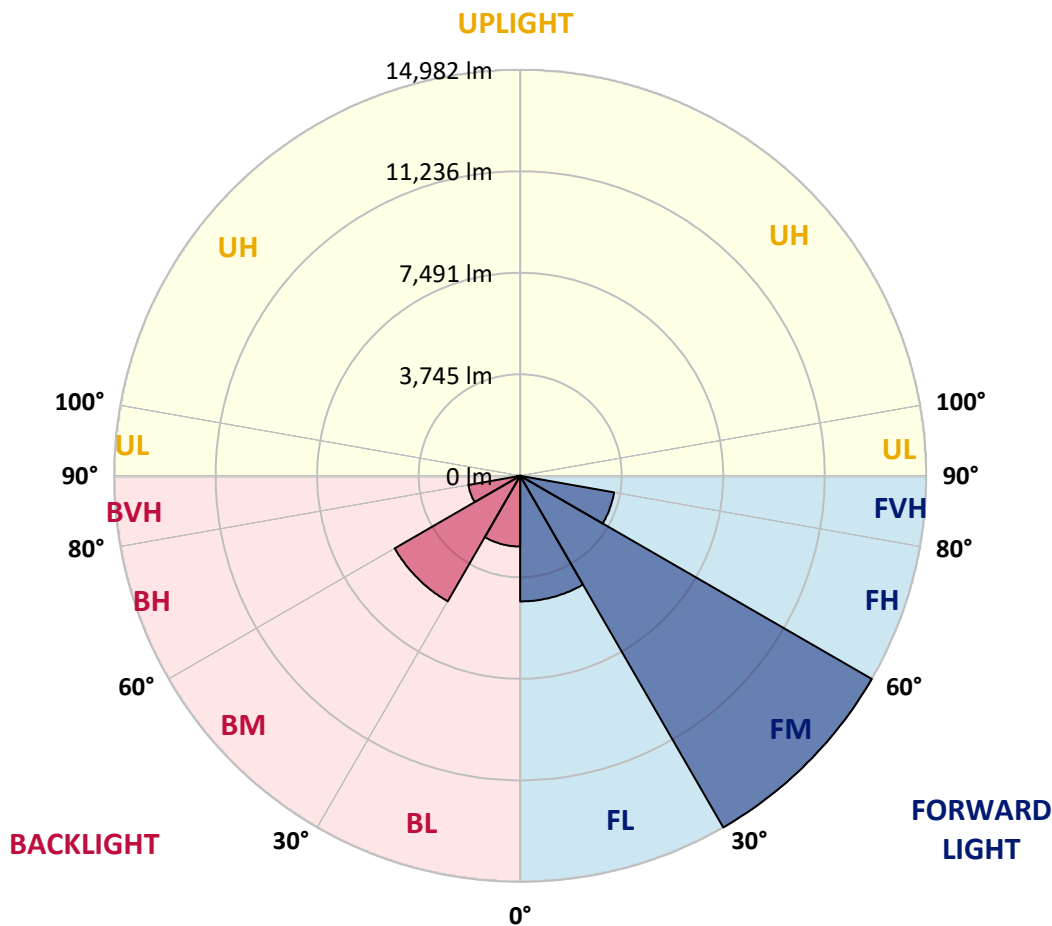
CATALOG NUMBER: GLAN-SA7C-730-U-SLR-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4634.8	14.0			
FM	(30°-60°)	14981.6	45.1			
FH	(60°-80°)	3520.1	10.6			G2/5000
FVH	(80°-90°)	64.2	0.2			G1/100
BL	(0°-30°)	2611.0	7.9	B4/5000		
BM	(30°-60°)	5347.6	16.1	B4/8500		
BH	(60°-80°)	1940.7	5.8	B3/2500		G3/2500
BVH	(80°-90°)	113.1	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°	14740.1	14740.1	14740.1	14740.1	14740.1	14740.1	14740.1	14740.1	14740.1	14740.1	14740.1
2.5°	14985.6	15226.3	14966.4	14504.3	14176.9	13878.4	13565.5	13503.0	13093.8	13021.6	12723.1
5°	14133.6	14080.6	13762.9	13156.4	12487.2	11880.7	11433.0	10999.7	10706.1	10364.3	10340.2
7.5°	13098.6	12790.5	12607.6	11688.1	10860.1	9907.0	9497.8	8838.3	8631.3	8323.2	8164.4
10°	12174.3	11948.1	11519.6	10600.2	9444.9	8814.2	8376.2	8019.9	7779.2	7461.5	7062.0
12.5°	11717.0	11625.5	11144.2	9719.2	8862.4	8188.4	7880.3	7533.7	7124.6	6614.3	6416.9
15°	11798.8	11490.8	11124.9	9550.8	8366.5	7716.7	7225.7	6792.4	6267.7	5781.5	5497.5
17.5°	12410.2	12174.3	11442.6	9656.7	8178.8	7240.1	6349.5	5709.3	5237.5	4799.4	4602.1
20°	13613.7	13271.9	12448.7	9791.5	7774.4	6575.8	5555.2	4765.8	4260.3	4029.2	3961.8
22.5°	14947.1	14744.9	13430.8	10094.7	7451.9	5959.6	4712.8	3923.3	3735.6	3673.0	3798.2
25°	16569.4	16044.7	14956.8	10590.6	7201.6	5434.9	4000.3	3562.3	3466.0	3528.6	3673.0
27.5°	17801.8	17662.2	16025.4	11057.5	6859.8	4804.3	3600.8	3312.0	3340.8	3403.4	3538.2
30°	19265.2	18557.5	17060.4	11380.0	6551.7	4371.0	3321.6	3244.6	3273.4	3379.4	3446.7
32.5°	20146.1	19881.4	17710.3	11866.2	6195.5	3995.5	3105.0	3032.8	3076.1	3234.9	3393.8
35°	21267.8	20743.1	18514.2	11991.4	5945.2	3846.3	2950.9	2898.0	2999.1	3109.8	3287.9
37.5°	22577.1	22216.1	19626.2	11904.8	5810.4	3692.3	2820.9	2796.9	2869.1	3023.1	3230.1
40°	23352.2	23241.5	20208.7	11957.7	5598.6	3557.5	2671.7	2700.6	2849.8	2970.2	3172.4
42.5°	24098.3	23376.3	21070.4	11938.4	5463.8	3374.5	2686.2	2652.5	2768.0	2907.6	3100.1
45°	24262.0	23544.7	21272.6	11803.7	5300.1	3196.4	2575.4	2589.9	2729.5	2902.8	3027.9
47.5°	24156.1	23626.6	21648.1	11765.1	5146.0	3071.3	2411.8	2585.1	2666.9	2806.5	2984.6
50°	24083.9	24055.0	21965.8	11948.1	4939.1	2873.9	2214.4	2522.5	2604.3	2743.9	2936.5
52.5°	24719.3	24656.7	22760.1	12429.5	4775.4	2662.1	2012.2	2363.6	2561.0	2695.8	2883.5
55°	25104.4	24830.0	24122.4	13021.6	4501.0	2382.9	1872.6	2166.3	2455.1	2575.4	2768.0
57.5°	22582.0	22394.2	21821.4	12155.1	4038.9	2017.0	1699.3	1964.1	2310.7	2498.4	2695.8
60°	18788.6	18495.0	17026.7	10330.6	2979.8	1569.3	1593.4	1805.2	2272.2	2344.4	2575.4
62.5°	17715.1	16988.2	14990.5	8313.6	2286.6	1347.9	1429.7	1660.8	2070.0	2190.3	2421.4
65°	14056.6	13517.4	10725.3	6002.9	1530.8	1169.8	1304.6	1497.1	1786.0	2021.8	2233.6
67.5°	8799.8	8284.7	5723.7	2840.2	1068.7	1001.3	1165.0	1367.1	1603.0	1814.8	2050.7
70°	4597.3	4034.0	2642.8	1025.4	736.5	818.4	972.4	1165.0	1396.0	1569.3	1752.3
72.5°	1713.7	1391.2	861.7	442.9	510.3	625.8	789.5	929.1	1092.8	1304.6	1405.7
75°	264.8	226.3	221.4	269.6	346.6	452.5	563.2	702.8	847.2	982.0	1049.4
77.5°	125.2	120.3	134.8	178.1	231.1	322.5	409.2	544.0	659.5	746.2	784.7
80°	81.8	77.0	86.7	120.3	173.3	240.7	327.3	418.8	524.7	596.9	587.3
82.5°	48.1	53.0	53.0	81.8	120.3	173.3	235.9	317.7	389.9	452.5	414.0
85°	28.9	24.1	24.1	48.1	81.8	139.6	197.4	134.8	139.6	139.6	158.9
87.5°	9.6	9.6	9.6	4.8	9.6	9.6	14.4	24.1	28.9	33.7	43.3
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°	14740.1	14740.1	14740.1	14740.1	14740.1	14740.1	14740.1	14740.1	14740.1	14740.1	14740.1
2.5°	12713.5	12862.7	12809.8	12622.0	12766.4	12790.5	12694.2	13026.4	13089.0	12987.9	13016.8
5°	10306.5	10345.1	10431.7	10614.6	10744.6	10898.6	10898.6	10908.3	10778.3	11105.6	11009.4
7.5°	8029.6	8053.6	8154.7	8544.7	8655.4	8949.0	9074.2	8987.5	8727.6	8616.9	8708.3
10°	6932.0	6792.4	6758.7	6806.8	7057.2	7182.3	7288.2	7259.3	7216.0	7129.4	7033.1
12.5°	6200.3	6099.2	6017.4	5901.8	5916.3	6036.6	6118.5	6051.1	6070.3	6089.6	6118.5
15°	5406.0	5333.8	5290.5	5117.2	5097.9	5179.7	5208.6	5247.1	5319.3	5324.2	5290.5
17.5°	4563.6	4501.0	4597.3	4693.5	4626.1	4631.0	4683.9	4717.6	4698.4	4611.7	4568.4
20°	3985.9	4053.3	4149.6	4241.0	4313.2	4356.6	4375.8	4322.9	4260.3	4082.2	4077.4
22.5°	3817.4	3904.1	3985.9	4125.5	4192.9	4303.6	4202.5	4082.2	3995.5	3908.9	3807.8
25°	3692.3	3764.5	3928.1	3981.1	4111.1	4202.5	4130.3	4010.0	3860.7	3735.6	3658.6
27.5°	3600.8	3682.6	3788.5	3932.9	4034.0	4087.0	4014.8	3966.6	3812.6	3663.4	3552.7
30°	3543.0	3629.7	3822.2	3942.6	4029.2	4072.6	3947.4	3889.6	3778.9	3653.7	3557.5
32.5°	3504.5	3581.5	3745.2	3899.3	3957.0	3957.0	3976.3	3908.9	3754.8	3543.0	3461.2
35°	3379.4	3485.3	3620.0	3798.2	3904.1	3966.6	3870.4	3793.3	3692.3	3475.6	3326.4
37.5°	3307.1	3379.4	3552.7	3721.1	3812.6	3880.0	3841.5	3706.7	3571.9	3393.8	3273.4
40°	3230.1	3345.7	3499.7	3658.6	3759.6	3827.0	3798.2	3639.3	3475.6	3307.1	3225.3
42.5°	3177.2	3254.2	3413.0	3591.2	3711.5	3841.5	3754.8	3557.5	3441.9	3210.9	3119.4
45°	3133.8	3259.0	3427.5	3499.7	3624.9	3759.6	3605.6	3485.3	3350.5	3182.0	3105.0
47.5°	3080.9	3196.4	3307.1	3499.7	3557.5	3620.0	3591.2	3398.6	3283.1	3100.1	3047.2
50°	3061.6	3105.0	3307.1	3413.0	3494.9	3557.5	3480.4	3336.0	3225.3	3037.6	2922.0
52.5°	2984.6	3066.4	3196.4	3336.0	3437.1	3514.1	3389.0	3297.5	3148.3	2950.9	2878.7
55°	2888.3	2936.5	3167.5	3312.0	3364.9	3417.9	3369.7	3220.5	3066.4	2864.3	2792.1
57.5°	2763.2	2873.9	3061.6	3263.8	3331.2	3360.1	3283.1	3162.7	2970.2	2792.1	2676.5
60°	2633.2	2748.7	2955.7	3119.4	3186.8	3292.7	3177.2	3105.0	2883.5	2686.2	2561.0
62.5°	2503.2	2633.2	2787.2	2994.2	3052.0	3095.3	3066.4	2965.4	2787.2	2565.8	2411.8
65°	2349.2	2445.5	2638.0	2743.9	2782.4	2883.5	2782.4	2743.9	2585.1	2373.2	2243.3
67.5°	2118.1	2199.9	2368.4	2469.5	2498.4	2541.7	2536.9	2493.6	2315.5	2171.1	2055.5
70°	1853.3	1925.6	2031.5	2151.8	2166.3	2219.2	2171.1	2161.4	2045.9	1848.5	1786.0
72.5°	1487.5	1554.9	1694.5	1747.4	1752.3	1771.5	1747.4	1713.7	1684.9	1477.9	1415.3
75°	1140.9	1179.4	1246.8	1294.9	1294.9	1319.0	1304.6	1270.9	1193.8	1063.9	1001.3
77.5°	794.3	832.8	919.5	948.3	943.5	953.2	909.8	876.1	760.6	693.2	640.2
80°	577.7	601.7	645.1	664.3	669.1	683.6	630.6	601.7	534.3	457.3	433.3
82.5°	418.8	433.3	438.1	462.1	462.1	438.1	423.6	394.7	346.6	298.5	279.2
85°	173.3	178.1	182.9	211.8	216.6	260.0	240.7	226.3	197.4	168.5	154.0
87.5°	43.3	48.1	62.6	53.0	62.6	62.6	67.4	77.0	77.0	62.6	62.6
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	14740.1	14740.1	14740.1	14740.1	14740.1	14740.1	14740.1	14740.1	14740.1	14740.1	14740.1
2.5°	13127.5	13166.0	13657.0	13719.6	13960.3	14205.8	14701.6	15057.9	15346.7	15534.4	15587.4
5°	11110.5	11356.0	11582.2	11948.1	12280.2	12752.0	13296.0	13969.9	14817.2	15250.4	15423.7
7.5°	8698.7	8987.5	9314.9	9671.1	10157.3	11004.6	11731.5	12511.3	13594.4	14042.1	14720.9
10°	7100.5	7423.0	7856.3	8130.7	8718.0	9526.7	10373.9	11274.1	12309.1	12954.2	13738.8
12.5°	6277.3	6542.1	6941.6	7519.3	7957.4	8482.1	9112.7	10248.8	11731.5	12342.8	12882.0
15°	5367.5	5661.1	6123.3	6763.5	7288.2	7914.0	8621.7	9858.8	11437.8	12381.3	12838.6
17.5°	4616.5	4828.3	5314.5	5868.1	6469.9	7153.4	8169.2	9839.6	11745.9	12954.2	13700.3
20°	4096.6	4125.5	4390.3	4862.0	5680.4	6571.0	7890.0	9743.3	12732.7	13941.0	14884.6
22.5°	3769.3	3740.4	3745.2	4144.8	4717.6	5998.1	7451.9	10070.7	13854.4	15510.4	16145.8
25°	3605.6	3528.6	3480.4	3567.1	4087.0	5319.3	7119.7	10503.9	15062.7	16805.3	17585.1
27.5°	3519.0	3384.2	3287.9	3302.3	3682.6	4977.6	6912.7	10691.7	16261.3	18610.5	18884.9
30°	3485.3	3316.8	3177.2	3129.0	3379.4	4501.0	6469.9	11014.2	17334.8	19602.2	19838.0
32.5°	3364.9	3157.9	3023.1	2979.8	3080.9	4082.2	6152.2	11245.2	18283.2	20680.5	20598.6
35°	3225.3	3052.0	2883.5	2801.7	2873.9	3812.6	5897.0	11134.5	19400.0	21518.1	21474.8
37.5°	3210.9	2984.6	2845.0	2710.2	2705.4	3480.4	5550.4	11240.4	20112.4	23020.0	22427.9
40°	3085.7	2941.3	2758.4	2647.6	2585.1	3312.0	5213.4	10990.1	21157.0	23626.6	23044.1
42.5°	3090.5	2873.9	2715.0	2585.1	2522.5	3066.4	4982.4	10922.7	21522.9	24613.4	23332.9
45°	3013.5	2801.7	2666.9	2512.9	2479.2	2878.7	4760.9	10609.8	22168.0	24661.6	22971.9
47.5°	2936.5	2748.7	2604.3	2421.4	2344.4	2811.3	4587.6	10349.9	21831.0	24209.1	22471.2
50°	2883.5	2666.9	2532.1	2402.1	2185.5	2695.8	4361.4	10287.3	21359.2	23597.7	21542.2
52.5°	2792.1	2599.5	2459.9	2358.8	2012.2	2589.9	4274.7	10653.1	21936.9	23140.4	21272.6
55°	2705.4	2508.0	2329.9	2132.6	1867.8	2310.7	4034.0	10994.9	22779.3	24194.6	22495.3
57.5°	2613.9	2426.2	2233.6	1997.8	1728.2	2021.8	3783.7	11057.5	21200.4	22360.5	21354.4
60°	2493.6	2252.9	2108.5	1800.4	1579.0	1675.2	2999.1	9748.1	16444.3	18673.1	18706.8
62.5°	2358.8	2098.9	1973.7	1612.7	1424.9	1444.2	2445.5	8193.2	13339.3	15457.4	16376.9
65°	2180.7	1930.4	1781.1	1492.3	1314.2	1251.6	1790.8	6002.9	10133.2	12540.2	13584.8
67.5°	1949.6	1713.7	1526.0	1299.8	1174.6	1073.5	1222.7	3379.4	5983.7	8419.5	8737.2
70°	1704.1	1501.9	1304.6	1116.8	977.2	905.0	895.4	1497.1	2859.5	4529.9	5155.7
72.5°	1343.1	1198.7	1039.8	900.2	808.7	702.8	640.2	621.0	967.6	1843.7	2546.5
75°	962.8	842.4	751.0	659.5	592.1	534.3	486.2	442.9	404.4	462.1	635.4
77.5°	606.6	563.2	491.0	466.9	428.4	414.0	394.7	370.7	341.8	322.5	322.5
80°	409.2	380.3	356.2	351.4	337.0	332.2	337.0	312.9	284.0	260.0	269.6
82.5°	274.4	269.6	264.8	260.0	264.8	269.6	279.2	274.4	250.3	235.9	240.7
85°	163.7	173.3	182.9	192.6	211.8	187.7	154.0	130.0	115.5	105.9	101.1
87.5°	62.6	86.7	77.0	72.2	77.0	72.2	67.4	62.6	53.0	48.1	48.1
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°	14740.1	14740.1	14740.1	14740.1	14740.1	14740.1	14740.1	14740.1	14740.1	14740.1
2.5°	15938.8	16035.1	16116.9	16097.7	15929.2	15702.9	15611.4	15144.5	15048.2	14985.6
5°	16155.4	16713.8	16834.2	16762.0	16323.9	15770.3	15231.2	14547.6	14148.0	14133.6
7.5°	15755.9	16444.3	16660.9	16824.5	16242.1	15279.3	14355.0	13329.7	13079.3	13098.6
10°	14740.1	15837.7	16372.0	16540.5	15871.4	15038.6	13758.1	12718.3	12184.0	12174.3
12.5°	14176.9	15038.6	15187.8	15423.7	15226.3	14383.9	13411.5	12246.5	11726.6	11717.0
15°	13676.3	14244.3	14287.6	14619.8	14725.7	14157.7	13503.0	12261.0	11842.2	11798.8
17.5°	14114.3	13719.6	13555.9	13599.2	13912.1	14119.1	14032.5	13079.3	12650.9	12410.2
20°	14408.0	13527.0	13031.2	13079.3	13450.0	14205.8	14822.0	14263.6	13584.8	13613.7
22.5°	15192.6	13555.9	12780.9	12727.9	13315.2	14658.3	15712.5	15760.7	15106.0	14947.1
25°	16367.2	13888.1	12703.9	12689.4	13252.6	15144.5	16752.3	17532.2	16863.1	16569.4
27.5°	17310.8	14408.0	12944.6	12992.7	13450.0	15539.2	17638.1	18673.1	18162.8	17801.8
30°	18138.7	14947.1	13281.5	13060.1	13979.5	15746.2	18018.4	19972.8	19563.7	19265.2
32.5°	18480.5	15712.5	13815.9	13450.0	14417.6	15996.6	18807.9	21234.1	20882.7	20146.1
35°	19058.2	16141.0	14104.7	14075.8	15183.0	16598.3	19178.5	22066.9	21922.5	21267.8
37.5°	19520.3	16574.2	15130.1	14812.3	16232.4	17609.2	19775.5	23217.4	22885.2	22577.1
40°	19876.6	17349.3	16088.0	16506.8	17522.6	18528.7	20324.2	23289.6	24247.6	23352.2
42.5°	19549.2	18042.5	17662.2	18663.5	19626.2	19578.1	20386.8	23848.0	24565.3	24098.3
45°	19467.4	19217.1	20150.9	21060.8	21282.2	20449.4	19939.1	23231.8	24469.0	24262.0
47.5°	19270.0	20372.4	21999.5	23482.2	23145.2	21031.9	19404.8	23121.1	24526.8	24156.1
50°	19202.6	20622.7	23366.6	24810.8	24608.6	21537.3	19154.5	22408.7	24117.6	24083.9
52.5°	19197.8	21137.8	23934.7	25532.9	25658.0	22336.5	19496.3	22769.7	24435.3	24719.3
55°	19414.4	20974.1	23862.5	25133.3	25085.2	21980.2	19534.8	23010.4	24825.2	25104.4
57.5°	18312.0	18788.6	19693.6	20699.7	20439.8	18206.1	17445.5	21272.6	22784.1	22582.0
60°	15813.6	14321.3	13300.8	13252.6	12747.2	12049.2	14278.0	18986.0	18986.0	18788.6
62.5°	13849.6	9401.5	8077.7	7702.2	8063.3	8867.2	13772.5	18466.1	17941.4	17715.1
65°	12111.7	7177.5	5839.2	5733.3	6359.1	7572.3	12453.5	15731.8	14807.5	14056.6
67.5°	7793.7	5256.8	4342.1	4154.4	4910.2	5560.0	8289.5	9675.9	9093.4	8799.8
70°	5025.7	3422.7	2416.6	2267.3	2561.0	3427.5	5295.3	5641.9	4794.6	4597.3
72.5°	2378.1	1477.9	847.2	698.0	784.7	1309.4	2094.0	2252.9	1872.6	1713.7
75°	755.8	544.0	346.6	298.5	284.0	337.0	481.4	370.7	269.6	264.8
77.5°	337.0	322.5	274.4	231.1	202.2	168.5	139.6	115.5	120.3	125.2
80°	279.2	255.1	226.3	202.2	168.5	130.0	101.1	77.0	77.0	81.8
82.5°	245.5	221.4	197.4	168.5	144.4	105.9	77.0	53.0	48.1	48.1
85°	105.9	125.2	134.8	144.4	115.5	86.7	53.0	33.7	28.9	28.9
87.5°	43.3	38.5	33.7	28.9	24.1	24.1	19.3	14.4	9.6	9.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)