

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: P850033

Luminaire Tested: **GLAN-SB7B-835-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850033
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7B-835-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32868 lumens
Efficiency: N/A
Efficacy: 128.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

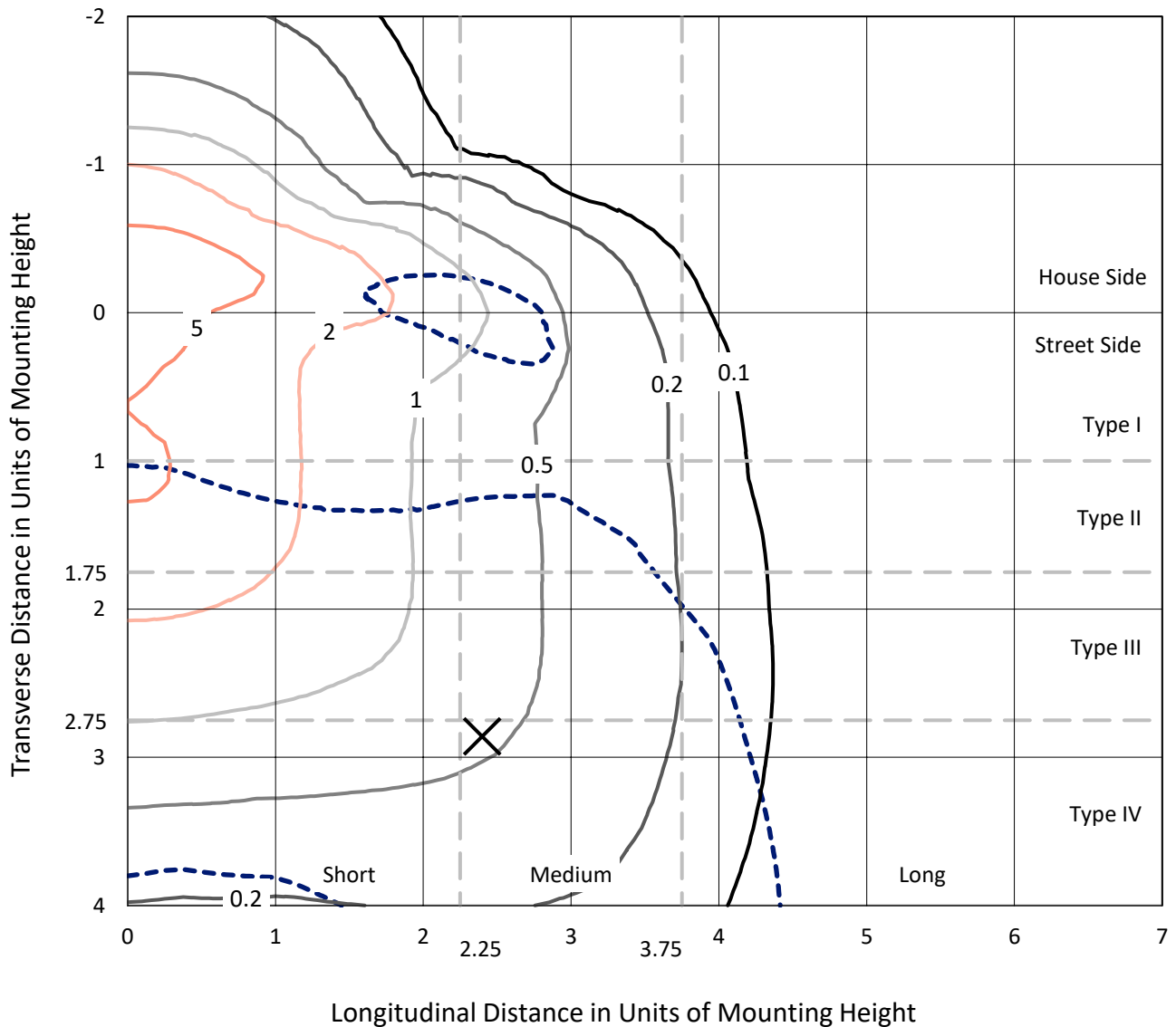
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

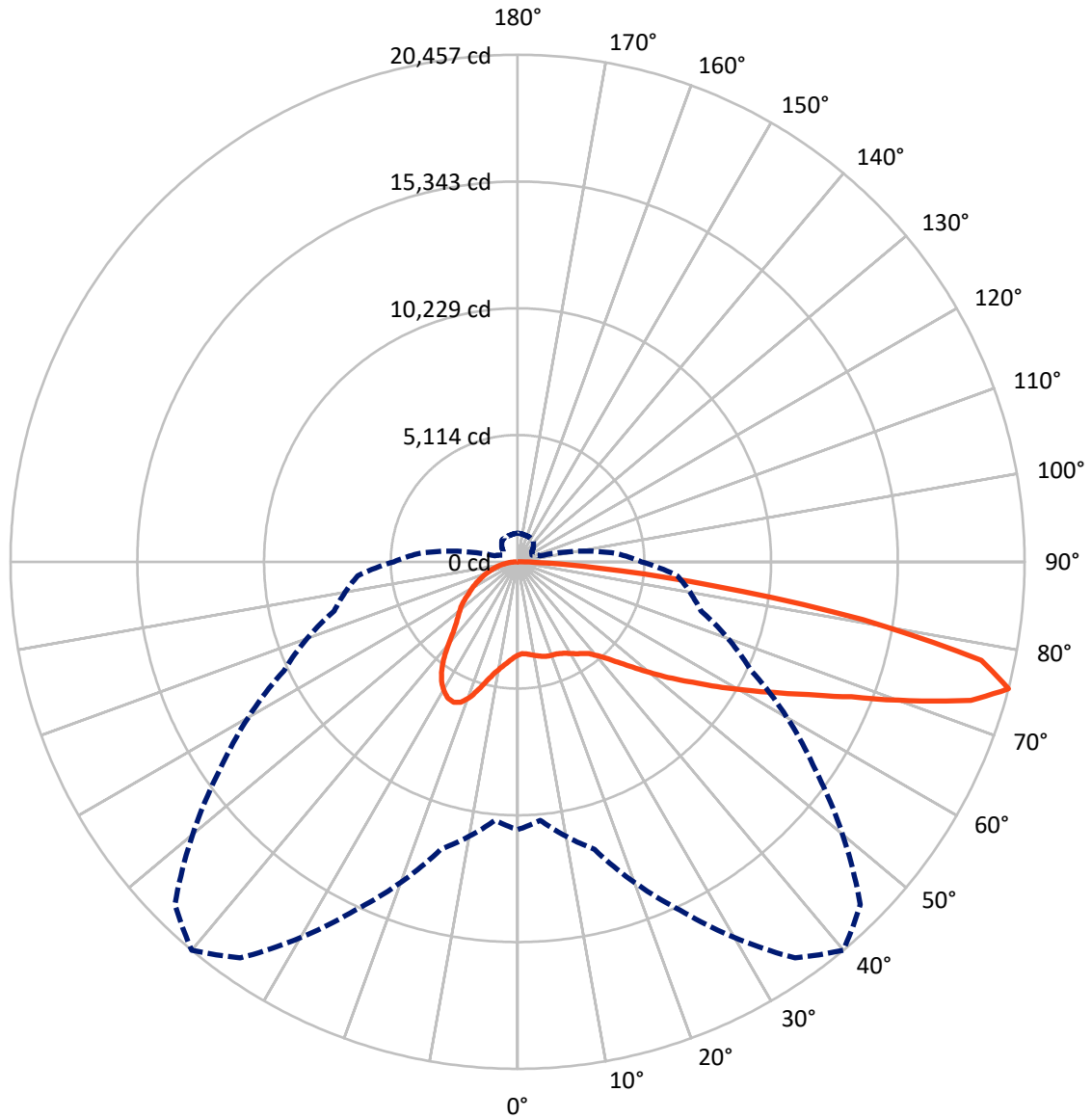
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10183.6	0.0	10183.6
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	22684.4	0.0	22684.4
	% Fixture	69.0	0.0	69.0
Total	Lumens	32868.0	0.0	32868.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	375.2	1.1
10°-20°	1259.6	3.8
20°-30°	2300.0	7.0
30°-40°	3262.0	9.9
40°-50°	4404.6	13.4
50°-60°	5925.4	18.0
60°-70°	7520.7	22.9
70°-80°	6825.5	20.8
80°-90°	994.9	3.0
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°	32868.0	100.0
0°-180°	32868.0	100.0

Coefficient of Utilization

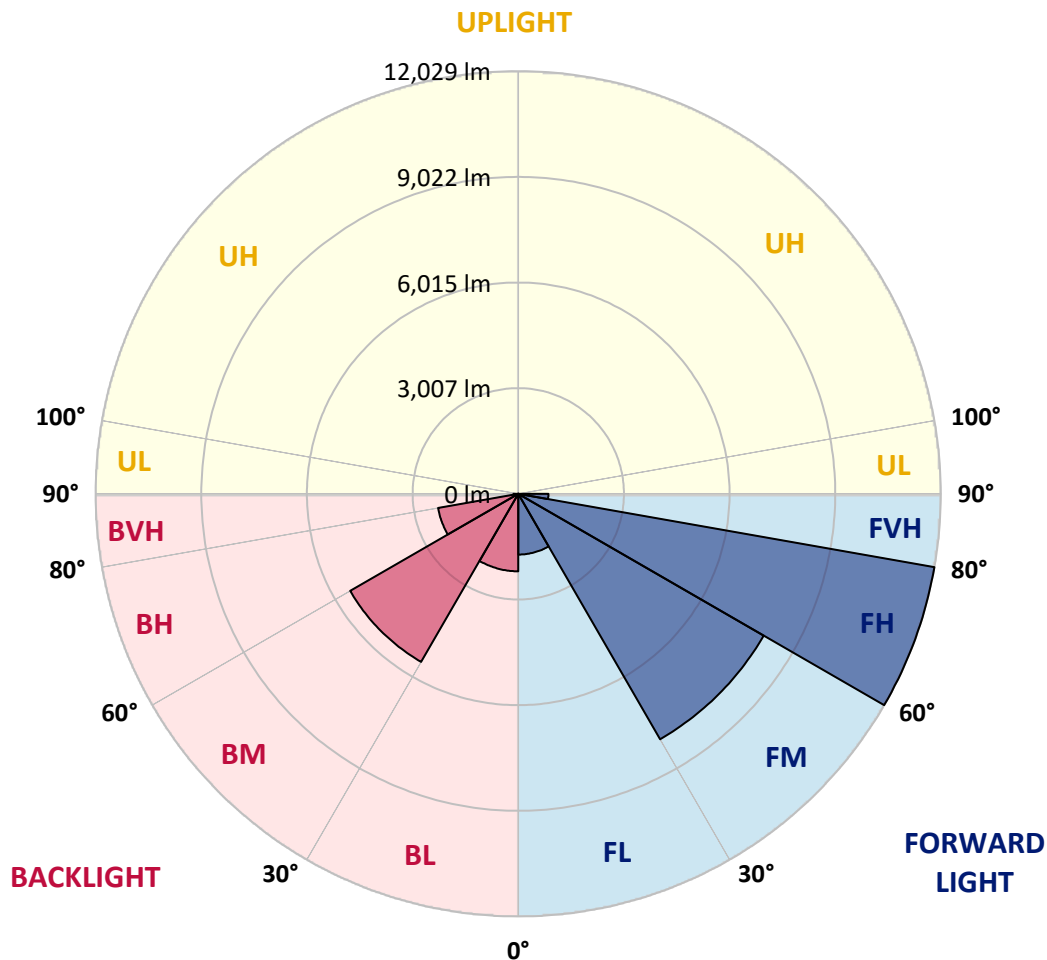


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1728.9	5.3			
FM (30°-60°)	8068.4	24.5			
FH (60°-80°)	12029.2	36.6			G5
FVH (80°-90°)	858.0	2.6			G5
BL (0°-30°)	2205.9	6.7	B3/2500		
BM (30°-60°)	5523.7	16.8	B4/8500		
BH (60°-80°)	2317.1	7.0	B3/2500		G3/2500
BVH (80°-90°)	137.0	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	3758.5	3758.5	3758.5	3758.5	3758.5	3758.5	3758.5	3758.5	3758.5	3758.5
2.5°	3701.0	3721.9	3716.7	3709.7	3709.7	3711.4	3709.7	3721.9	3734.1	3746.3
5°	3739.3	3760.2	3749.8	3741.1	3734.1	3732.4	3727.1	3725.4	3732.4	3748.0
7.5°	3814.3	3835.2	3819.5	3803.8	3789.9	3782.9	3775.9	3765.5	3760.2	3769.0
10°	3898.0	3918.9	3899.7	3871.8	3849.1	3840.4	3833.5	3823.0	3816.0	3821.3
12.5°	3981.6	4002.6	3976.4	3938.1	3908.4	3903.2	3894.5	3891.0	3889.2	3887.5
15°	4060.1	4077.5	4044.4	3999.1	3967.7	3959.0	3950.3	3955.5	3964.2	3974.7
17.5°	4121.1	4138.5	4089.7	4030.5	4000.8	3997.3	3992.1	4009.5	4033.9	4060.1
20°	4176.9	4194.3	4131.6	4051.4	4016.5	4016.5	4018.2	4054.9	4089.7	4128.1
22.5°	4255.3	4269.3	4192.6	4082.7	4032.2	4035.7	4049.6	4086.2	4129.8	4182.1
25°	4372.1	4382.6	4288.5	4142.0	4084.5	4095.0	4107.2	4124.6	4166.4	4227.4
27.5°	4560.4	4569.1	4445.3	4246.6	4159.5	4176.9	4194.3	4182.1	4201.3	4253.6
30°	4825.4	4830.6	4673.7	4410.5	4286.7	4295.4	4298.9	4248.4	4211.8	4253.6
32.5°	5139.2	5137.4	4950.9	4609.2	4431.4	4422.7	4393.1	4293.7	4208.3	4244.9
35°	5625.5	5606.4	5365.8	4888.1	4595.3	4541.2	4471.5	4344.2	4225.7	4236.2
37.5°	6430.9	6371.7	6038.7	5344.9	4839.3	4701.6	4598.8	4426.2	4264.0	4232.7
40°	7339.2	7264.2	6898.1	5970.7	5205.4	4984.0	4818.4	4543.0	4326.8	4248.4
42.5°	8416.5	8310.2	7916.2	6708.1	5669.1	5348.4	5099.1	4691.2	4419.2	4298.9
45°	9739.7	9598.5	9040.6	7539.7	6253.1	5826.0	5493.1	4916.0	4560.4	4396.5
47.5°	11076.8	11111.6	10318.4	8491.5	6953.9	6415.2	5986.4	5254.2	4766.1	4553.4
50°	12497.5	12521.9	11589.3	9546.2	7748.9	7081.2	6540.8	5632.5	5052.0	4776.6
52.5°	13606.3	13609.7	12743.3	10649.7	8576.9	7813.4	7138.7	6064.9	5383.2	5072.9
55°	14300.1	14291.4	13552.2	11693.9	9528.7	8582.1	7801.2	6556.5	5787.7	5421.6
57.5°	14803.9	14777.7	14110.1	12591.7	10543.3	9490.4	8550.8	7114.3	6265.3	5836.5
60°	14995.6	14980.0	14488.4	13367.4	11610.2	10494.5	9415.4	7738.4	6807.5	6326.3
62.5°	15068.9	15098.5	14859.7	14118.8	12752.1	11606.7	10365.5	8484.5	7417.6	6880.7
65°	15326.9	15380.9	15332.1	15102.0	14042.1	12908.9	11625.9	9371.8	8083.6	7475.2
67.5°	15837.6	15891.7	15912.6	16278.7	15618.0	14531.9	13198.3	10477.1	8862.8	8092.3
70°	15825.4	15809.8	16179.3	17214.8	17591.4	16779.0	15318.2	11836.8	9792.0	8604.8
72.5°	14404.7	14279.2	15152.5	17204.4	19233.5	19125.5	17906.9	13590.6	10593.9	8667.6
75°	10806.6	10471.8	12014.6	15504.7	19507.2	20457.3	19552.6	14678.4	10403.9	7658.2
77.5°	4621.4	4285.0	6103.2	11477.7	17458.9	19123.7	18042.9	12806.1	8305.0	5064.2
80°	1209.8	1208.1	1844.4	5203.7	11873.4	14122.3	12389.5	8270.1	4745.2	1809.5
82.5°	500.3	488.1	678.1	2023.9	5801.6	7924.9	6467.5	3688.8	1713.6	489.9
85°	186.5	184.8	329.5	699.1	2046.6	3268.6	2365.6	943.1	427.1	238.8
87.5°	52.3	50.6	71.5	242.3	498.6	756.6	404.4	155.2	120.3	94.1
90°	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):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3758.5	0°	3758.5	3758.5	3758.5	3758.5	3758.5	3758.5	3758.5	3758.5	3758.5	3758.5
3765.5	2.5°	3770.7	3779.4	3795.1	3807.3	3823.0	3840.4	3864.8	3880.5	3896.2	3906.7
3774.2	5°	3786.4	3805.6	3845.7	3885.8	3932.8	3976.4	4027.0	4063.6	4093.2	4101.9
3805.6	7.5°	3821.3	3852.6	3920.6	3988.6	4063.6	4135.0	4208.3	4271.0	4321.6	4340.8
3861.4	10°	3882.3	3924.1	4020.0	4115.9	4215.2	4325.1	4419.2	4509.9	4581.3	4611.0
3927.6	12.5°	3959.0	4011.3	4136.8	4269.3	4407.0	4558.7	4680.7	4792.3	4881.2	4921.3
4020.0	15°	4058.3	4126.3	4286.7	4464.5	4666.7	4877.7	5032.8	5156.6	5256.0	5304.8
4115.9	17.5°	4166.4	4257.1	4459.3	4727.8	5017.1	5294.3	5475.6	5566.3	5669.1	5716.2
4204.8	20°	4271.0	4382.6	4672.0	5062.5	5447.7	5742.3	5888.8	5913.2	5920.2	5925.4
4288.5	22.5°	4379.1	4529.0	4938.7	5484.3	5897.5	6101.5	6122.4	6017.8	5871.3	5803.4
4370.4	25°	4497.6	4696.4	5287.4	5949.8	6284.5	6308.9	6148.5	5894.0	5616.8	5489.6
4436.6	27.5°	4612.7	4889.9	5705.7	6394.3	6563.4	6349.0	6003.8	5643.0	5308.3	5174.0
4483.7	30°	4727.8	5111.3	6167.7	6783.1	6690.7	6249.6	5775.5	5372.8	5036.3	4895.1
4525.5	32.5°	4844.6	5369.3	6699.4	7063.7	6668.0	6038.7	5491.3	5069.4	4773.1	4624.9
4562.1	35°	4977.0	5686.6	7203.2	7217.2	6516.4	5728.4	5116.5	4706.8	4448.8	4330.3
4605.7	37.5°	5149.6	6089.3	7647.7	7255.5	6251.4	5273.4	4651.1	4278.0	4065.3	4011.3
4670.2	40°	5364.1	6573.9	7987.7	7194.5	5859.1	4720.8	4142.0	3843.9	3723.6	3735.8
4757.4	42.5°	5643.0	7116.0	8226.5	7037.6	5313.5	4150.7	3695.7	3563.3	3620.8	3669.6
4888.1	45°	6005.6	7679.1	8374.7	6770.9	4696.4	3667.8	3432.5	3463.9	3507.5	3512.7
5099.1	47.5°	6469.3	8249.2	8472.3	6368.2	4067.1	3327.9	3265.2	3272.1	3263.4	3226.8
5414.6	50°	7048.1	8803.5	8559.5	5834.7	3531.9	3115.2	3031.6	3007.1	2886.9	2768.3
5834.7	52.5°	7707.0	9312.6	8596.1	5172.3	3115.2	2937.4	2801.4	2648.0	2423.2	2386.5
6363.0	55°	8439.2	9783.3	8501.9	4358.2	2764.8	2709.0	2503.3	2318.6	2294.1	2262.8
7058.5	57.5°	9314.3	10290.5	8310.2	3449.9	2405.7	2442.3	2241.9	2262.8	2219.2	2170.4
7952.8	60°	10271.4	10815.3	7973.7	2621.9	2034.4	2109.4	2173.9	2172.1	2159.9	2119.8
8895.9	62.5°	11132.6	11160.4	7311.3	2008.3	1708.4	1851.4	2027.4	2025.7	2015.2	1992.6
9880.9	65°	11645.1	11108.1	6206.1	1581.1	1439.9	1638.7	1828.7	1842.6	1844.4	1842.6
10621.8	67.5°	11554.4	10496.3	4689.4	1258.6	1218.5	1422.5	1631.7	1650.9	1664.8	1668.3
10715.9	70°	10529.4	9152.2	3057.7	1004.1	1021.6	1232.5	1445.2	1464.4	1476.6	1490.5
9298.6	72.5°	8207.3	6729.0	1750.2	812.4	849.0	1068.6	1260.4	1283.0	1290.0	1316.2
6471.0	75°	5001.5	3957.2	944.9	639.8	697.3	913.5	1077.3	1103.5	1115.7	1147.1
3178.0	77.5°	2377.8	1713.6	538.7	498.6	561.3	746.1	910.0	939.6	906.5	923.9
876.9	80°	803.6	636.3	339.9	380.0	428.8	582.3	728.7	758.3	688.6	685.1
291.1	82.5°	280.7	258.0	216.2	252.8	277.2	416.6	550.9	589.2	512.5	510.8
130.7	85°	109.8	104.6	120.3	137.7	165.6	256.3	362.6	381.8	315.5	254.5
38.4	87.5°	22.7	24.4	29.6	31.4	50.6	88.9	130.7	160.4	127.3	108.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

<u>180°</u>
3758.5
3899.7
4105.4
4342.5
4612.7
4921.3
5301.3
5714.5
5939.3
5822.5
5508.7
5189.7
4910.8
4644.1
4356.4
4049.6
3777.7
3714.9
3547.6
3254.7
2784.0
2398.7
2268.0
2161.7
2105.9
1983.8
1842.6
1671.8
1497.5
1326.6
1150.6
910.0
678.1
486.4
251.0
99.4
0.0

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