

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: P849373

Luminaire Tested: **GLAN-SB6B-850-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849373
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-SB6B-850-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 5000K, 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: 29064 lumens
Efficiency: N/A
Efficacy: 131.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G5

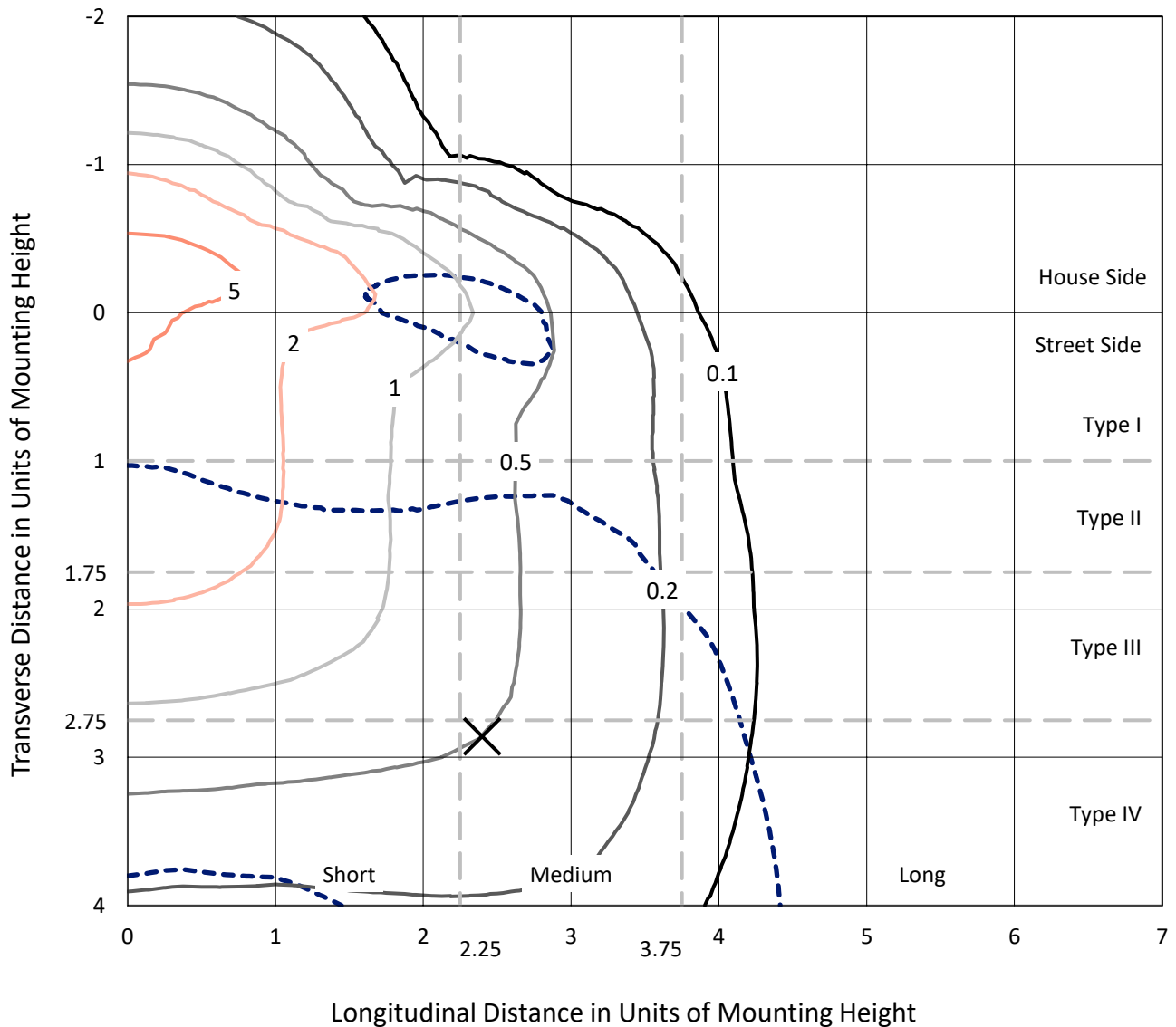
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

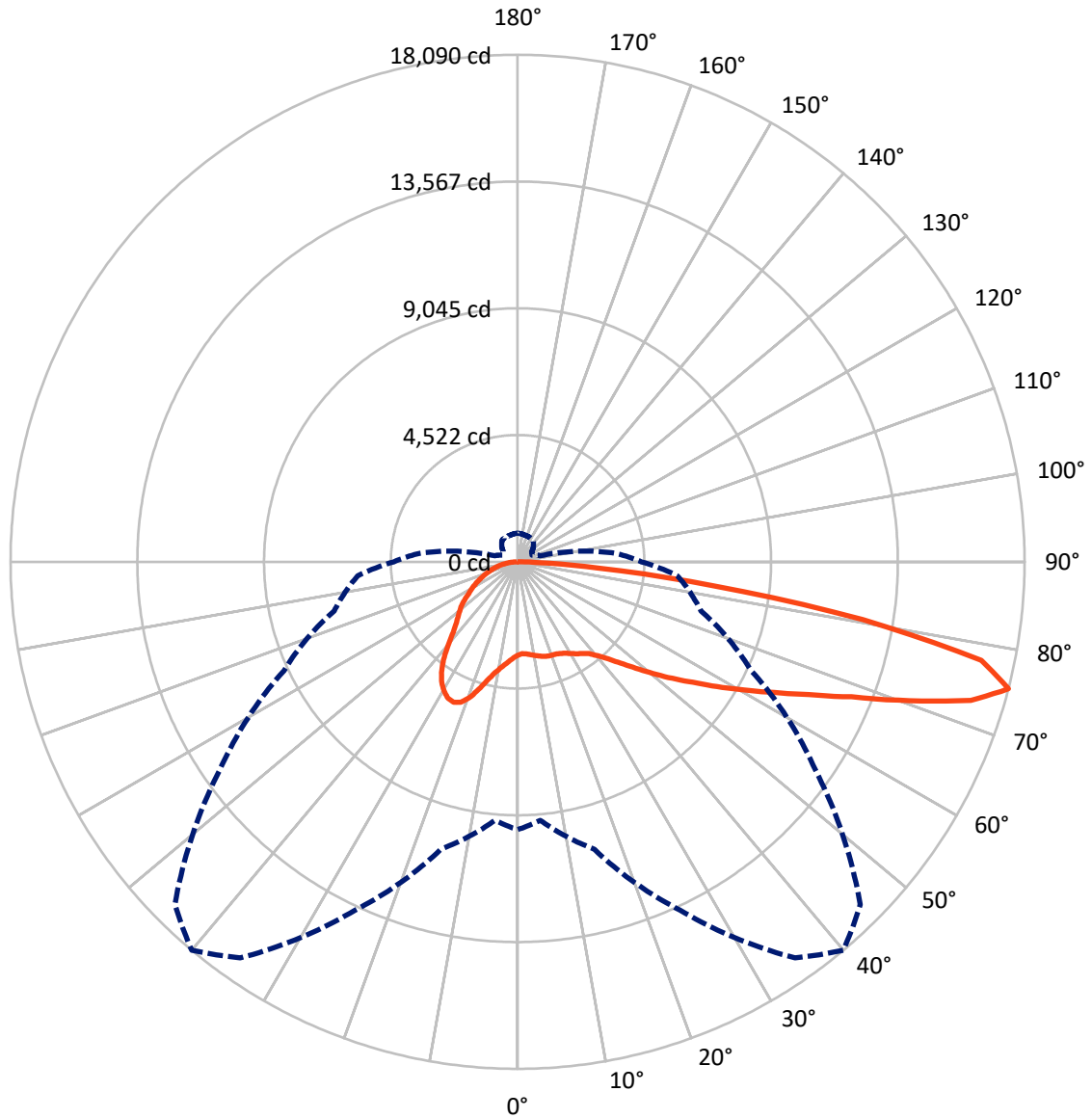
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 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	9005.0	0.0	9005.0
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	20059.0	0.0	20059.0
	% Fixture	69.0	0.0	69.0
Total	Lumens	29064.0	0.0	29064.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	331.8	1.1
10°-20°	1113.8	3.8
20°-30°	2033.8	7.0
30°-40°	2884.4	9.9
40°-50°	3894.9	13.4
50°-60°	5239.6	18.0
60°-70°	6650.3	22.9
70°-80°	6035.6	20.8
80°-90°	879.8	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°	29064.0	100.0
0°-180°	29064.0	100.0

Coefficient of Utilization

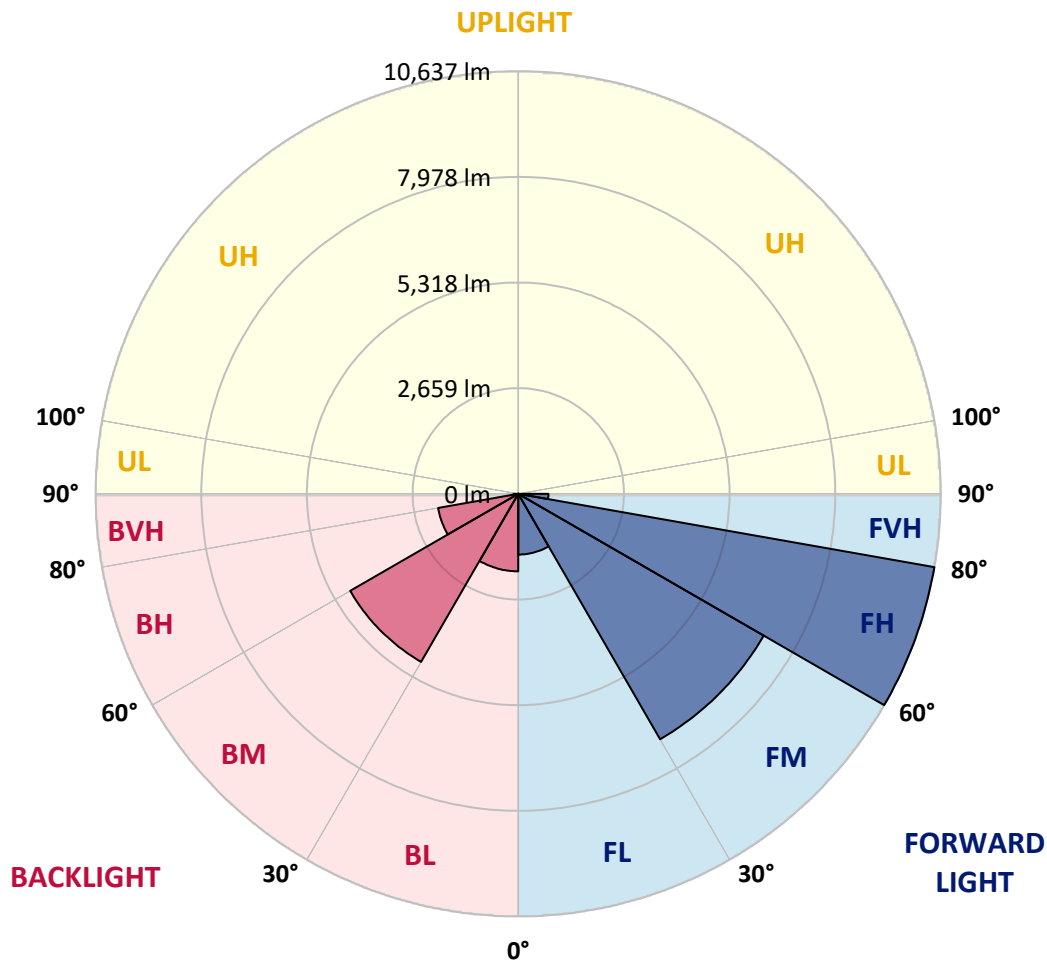


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1528.8	5.3			
FM (30°-60°)	7134.6	24.5			
FH (60°-80°)	10637.0	36.6			G4/12000
FVH (80°-90°)	758.7	2.6			G5
BL (0°-30°)	1950.6	6.7	B3/2500		
BM (30°-60°)	4884.4	16.8	B3/5000		
BH (60°-80°)	2048.9	7.0	B3/2500		G3/2500
BVH (80°-90°)	121.1	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	3323.5	3323.5	3323.5	3323.5	3323.5	3323.5	3323.5	3323.5	3323.5	3323.5
2.5°	3272.6	3291.1	3286.5	3280.3	3280.3	3281.9	3280.3	3291.1	3301.9	3312.7
5°	3306.6	3325.0	3315.8	3308.1	3301.9	3300.4	3295.8	3294.2	3300.4	3314.3
7.5°	3372.8	3391.3	3377.5	3363.6	3351.3	3345.1	3338.9	3329.7	3325.0	3332.8
10°	3446.8	3465.3	3448.4	3423.7	3403.7	3396.0	3389.8	3380.5	3374.4	3379.0
12.5°	3520.8	3539.3	3516.2	3482.3	3456.1	3451.5	3443.7	3440.7	3439.1	3437.6
15°	3590.2	3605.6	3576.3	3536.2	3508.5	3500.8	3493.1	3497.7	3505.4	3514.7
17.5°	3644.1	3659.6	3616.4	3564.0	3537.8	3534.7	3530.1	3545.5	3567.1	3590.2
20°	3693.5	3708.9	3653.4	3582.5	3551.7	3551.7	3553.2	3585.6	3616.4	3650.3
22.5°	3762.8	3775.2	3707.3	3610.2	3565.5	3568.6	3580.9	3613.3	3651.8	3698.1
25°	3866.1	3875.4	3792.1	3662.6	3611.8	3621.0	3631.8	3647.2	3684.2	3738.2
27.5°	4032.6	4040.3	3930.9	3755.1	3678.1	3693.5	3708.9	3698.1	3715.1	3761.3
30°	4266.9	4271.5	4132.8	3900.0	3790.6	3798.3	3801.4	3756.7	3724.3	3761.3
32.5°	4544.4	4542.8	4377.9	4075.8	3918.5	3910.8	3884.6	3796.8	3721.2	3753.6
35°	4974.5	4957.5	4744.8	4322.4	4063.4	4015.6	3954.0	3841.5	3736.6	3745.9
37.5°	5686.7	5634.2	5339.8	4726.3	4279.2	4157.5	4066.5	3913.9	3770.5	3742.8
40°	6489.8	6423.5	6099.8	5279.7	4603.0	4407.2	4260.7	4017.2	3826.0	3756.7
42.5°	7442.4	7348.4	7000.0	5931.8	5013.0	4729.4	4508.9	4148.2	3907.7	3801.4
45°	8612.4	8487.6	7994.3	6667.1	5529.4	5151.7	4857.3	4347.1	4032.6	3887.7
47.5°	9794.8	9825.6	9124.2	7508.7	6149.1	5672.8	5293.6	4646.1	4214.5	4026.4
50°	11051.1	11072.7	10248.0	8441.3	6852.0	6261.6	5783.8	4980.6	4467.3	4223.8
52.5°	12031.5	12034.6	11268.5	9417.1	7584.3	6909.1	6312.5	5362.9	4760.2	4485.8
55°	12645.1	12637.3	11983.7	10340.5	8425.9	7588.9	6898.3	5797.6	5117.8	4794.1
57.5°	13090.5	13067.4	12477.0	11134.4	9323.1	8392.0	7561.1	6290.9	5540.2	5161.0
60°	13260.1	13246.2	12811.5	11820.3	10266.5	9279.9	8325.7	6842.8	6019.6	5594.2
62.5°	13324.9	13351.1	13139.9	12484.7	11276.2	10263.4	9165.9	7502.6	6559.1	6084.4
65°	13553.0	13600.8	13557.6	13354.1	12416.9	11414.9	10280.4	8287.2	7148.0	6610.0
67.5°	14004.7	14052.5	14071.0	14394.7	13810.4	12850.1	11670.8	9264.5	7837.1	7155.7
70°	13993.9	13980.0	14306.8	15222.5	15555.4	14837.1	13545.3	10466.9	8658.7	7608.9
72.5°	12737.5	12626.6	13398.9	15213.2	17007.5	16912.0	15834.4	12017.7	9367.8	7664.4
75°	9555.9	9259.9	10624.1	13710.2	17249.6	18089.7	17289.6	12979.6	9199.8	6771.9
77.5°	4086.6	3789.0	5396.8	10149.3	15438.3	16910.4	15954.7	11324.0	7343.8	4478.1
80°	1069.8	1068.3	1630.9	4601.4	10499.3	12487.8	10955.5	7312.9	4196.0	1600.1
82.5°	442.4	431.6	599.6	1789.7	5130.2	7007.7	5719.0	3261.8	1515.3	433.2
85°	164.9	163.4	291.3	618.1	1809.7	2890.3	2091.8	834.0	377.7	211.2
87.5°	46.2	44.7	63.2	214.3	440.9	669.0	357.6	137.2	106.4	83.2
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°
3323.5	0°	3323.5	3323.5	3323.5	3323.5	3323.5	3323.5	3323.5	3323.5	3323.5	3323.5
3329.7	2.5°	3334.3	3342.0	3355.9	3366.7	3380.5	3396.0	3417.5	3431.4	3445.3	3454.5
3337.4	5°	3348.2	3365.1	3400.6	3436.0	3477.7	3516.2	3560.9	3593.3	3619.5	3627.2
3365.1	7.5°	3379.0	3406.7	3466.9	3527.0	3593.3	3656.5	3721.2	3776.7	3821.4	3838.4
3414.5	10°	3433.0	3470.0	3554.7	3639.5	3727.4	3824.5	3907.7	3987.9	4051.1	4077.3
3473.0	12.5°	3500.8	3547.0	3658.0	3775.2	3897.0	4031.1	4139.0	4237.6	4316.2	4351.7
3554.7	15°	3588.6	3648.8	3790.6	3947.8	4126.6	4313.2	4450.4	4559.8	4647.7	4690.8
3639.5	17.5°	3684.2	3764.4	3943.2	4180.6	4436.5	4681.6	4841.9	4922.1	5013.0	5054.6
3718.1	20°	3776.7	3875.4	4131.3	4476.6	4817.2	5077.8	5207.2	5228.8	5235.0	5239.6
3792.1	22.5°	3872.3	4004.9	4367.1	4849.6	5214.9	5395.3	5413.8	5321.3	5191.8	5131.7
3864.6	25°	3977.1	4152.8	4675.4	5261.2	5557.2	5578.7	5436.9	5211.9	4966.8	4854.2
3923.2	27.5°	4078.8	4324.0	5045.4	5654.3	5803.8	5614.2	5309.0	4989.9	4693.9	4575.2
3964.8	30°	4180.6	4519.7	5453.9	5998.0	5916.3	5526.3	5107.0	4751.0	4453.4	4328.6
4001.8	32.5°	4283.9	4747.9	5924.0	6246.2	5896.3	5339.8	4855.8	4482.7	4220.7	4089.6
4034.1	35°	4401.0	5028.4	6369.5	6381.9	5762.2	5065.4	4524.3	4162.1	3933.9	3829.1
4072.7	37.5°	4553.6	5384.5	6762.6	6415.8	5527.9	4663.1	4112.8	3782.9	3594.8	3547.0
4129.7	40°	4743.2	5813.1	7063.2	6361.8	5181.0	4174.4	3662.6	3399.0	3292.7	3303.5
4206.8	42.5°	4989.9	6292.5	7274.4	6223.1	4698.5	3670.3	3268.0	3150.9	3201.7	3244.9
4322.4	45°	5310.5	6790.4	7405.4	5987.2	4152.8	3243.3	3035.2	3063.0	3101.5	3106.2
4508.9	47.5°	5720.6	7294.5	7491.8	5631.2	3596.4	2942.8	2887.3	2893.4	2885.7	2853.3
4787.9	50°	6232.3	7784.7	7568.8	5159.5	3123.1	2754.7	2680.7	2659.1	2552.7	2447.9
5159.5	52.5°	6815.0	8234.8	7601.2	4573.7	2754.7	2597.5	2477.2	2341.6	2142.7	2110.3
5626.5	55°	7462.5	8651.0	7518.0	3853.8	2444.8	2395.5	2213.6	2050.2	2028.6	2000.9
6241.6	57.5°	8236.3	9099.6	7348.4	3050.7	2127.3	2159.7	1982.4	2000.9	1962.3	1919.2
7032.4	60°	9082.6	9563.6	7050.9	2318.4	1798.9	1865.2	1922.3	1920.7	1909.9	1874.5
7866.4	62.5°	9844.1	9868.8	6465.1	1775.8	1510.7	1637.1	1792.8	1791.2	1782.0	1762.0
8737.3	65°	10297.3	9822.5	5487.8	1398.2	1273.3	1449.0	1617.0	1629.4	1630.9	1629.4
9392.5	67.5°	10217.2	9281.5	4146.7	1113.0	1077.5	1257.9	1442.9	1459.8	1472.1	1475.2
9475.7	70°	9310.8	8093.0	2703.8	887.9	903.3	1089.9	1277.9	1294.9	1305.7	1318.0
8222.4	72.5°	7257.5	5950.2	1547.7	718.3	750.7	944.9	1114.5	1134.6	1140.7	1163.8
5722.1	75°	4422.6	3499.2	835.5	565.7	616.6	807.8	952.7	975.8	986.6	1014.3
2810.2	77.5°	2102.6	1515.3	476.3	440.9	496.4	659.8	804.7	830.9	801.6	817.0
775.4	80°	710.6	562.7	300.6	336.1	379.2	514.9	644.4	670.6	608.9	605.8
257.4	82.5°	248.2	228.1	191.1	223.5	245.1	368.4	487.1	521.0	453.2	451.7
115.6	85°	97.1	92.5	106.4	121.8	146.4	226.6	320.6	337.6	279.0	225.1
33.9	87.5°	20.0	21.6	26.2	27.7	44.7	78.6	115.6	141.8	112.5	95.6
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>
3323.5
3448.4
3630.3
3839.9
4078.8
4351.7
4687.7
5053.1
5251.9
5148.7
4871.2
4589.1
4342.4
4106.6
3852.2
3580.9
3340.5
3285.0
3137.0
2878.0
2461.8
2121.1
2005.5
1911.5
1862.2
1754.2
1629.4
1478.3
1324.2
1173.1
<i>1017.4</i>
804.7
599.6
430.1
222.0
87.9
0.0

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