

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: P849873

Luminaire Tested: **GLAN-SB7A-840-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849873
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-SB7A-840-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28122 lumens
Efficiency: N/A
Efficacy: 141.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

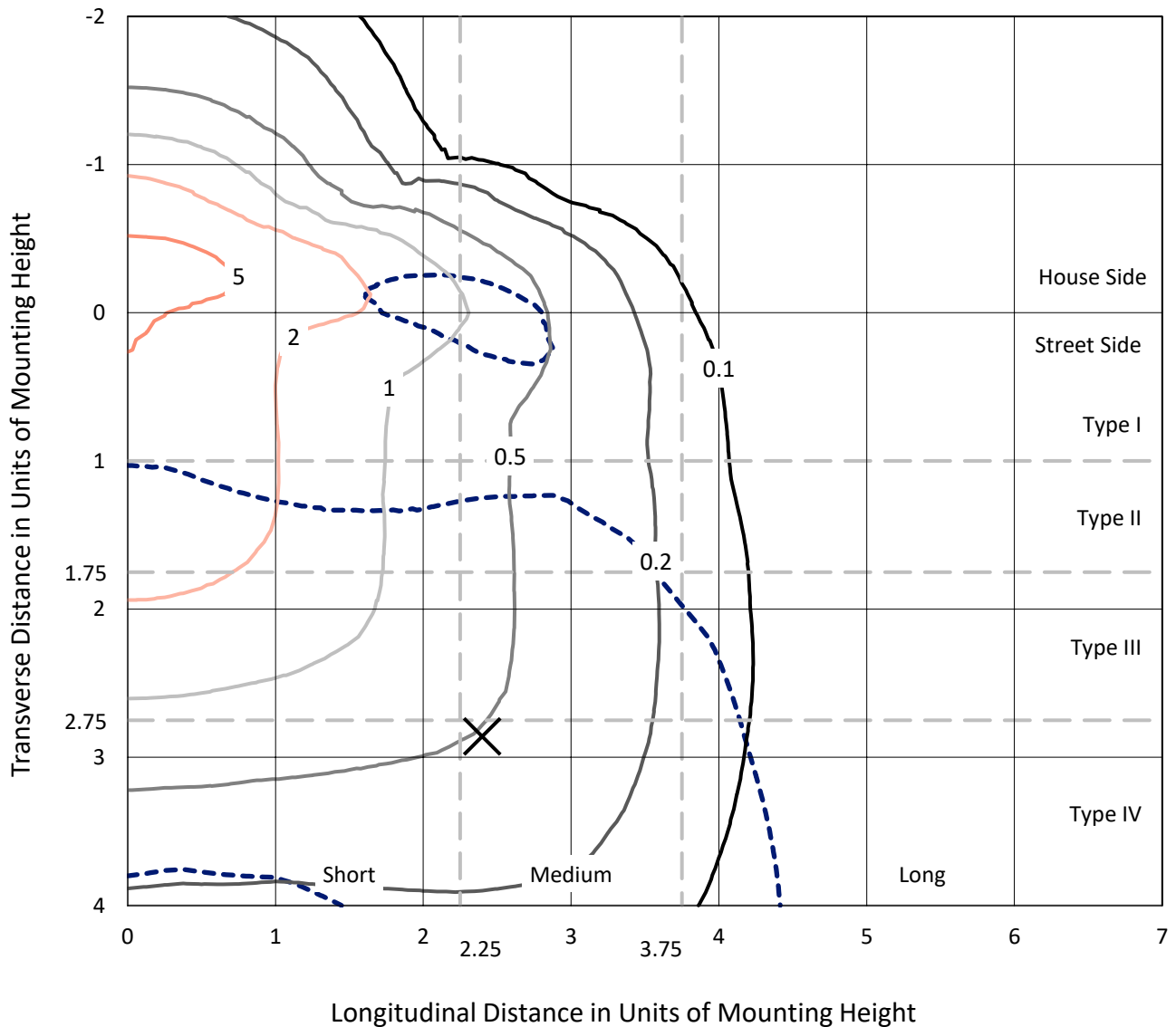
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

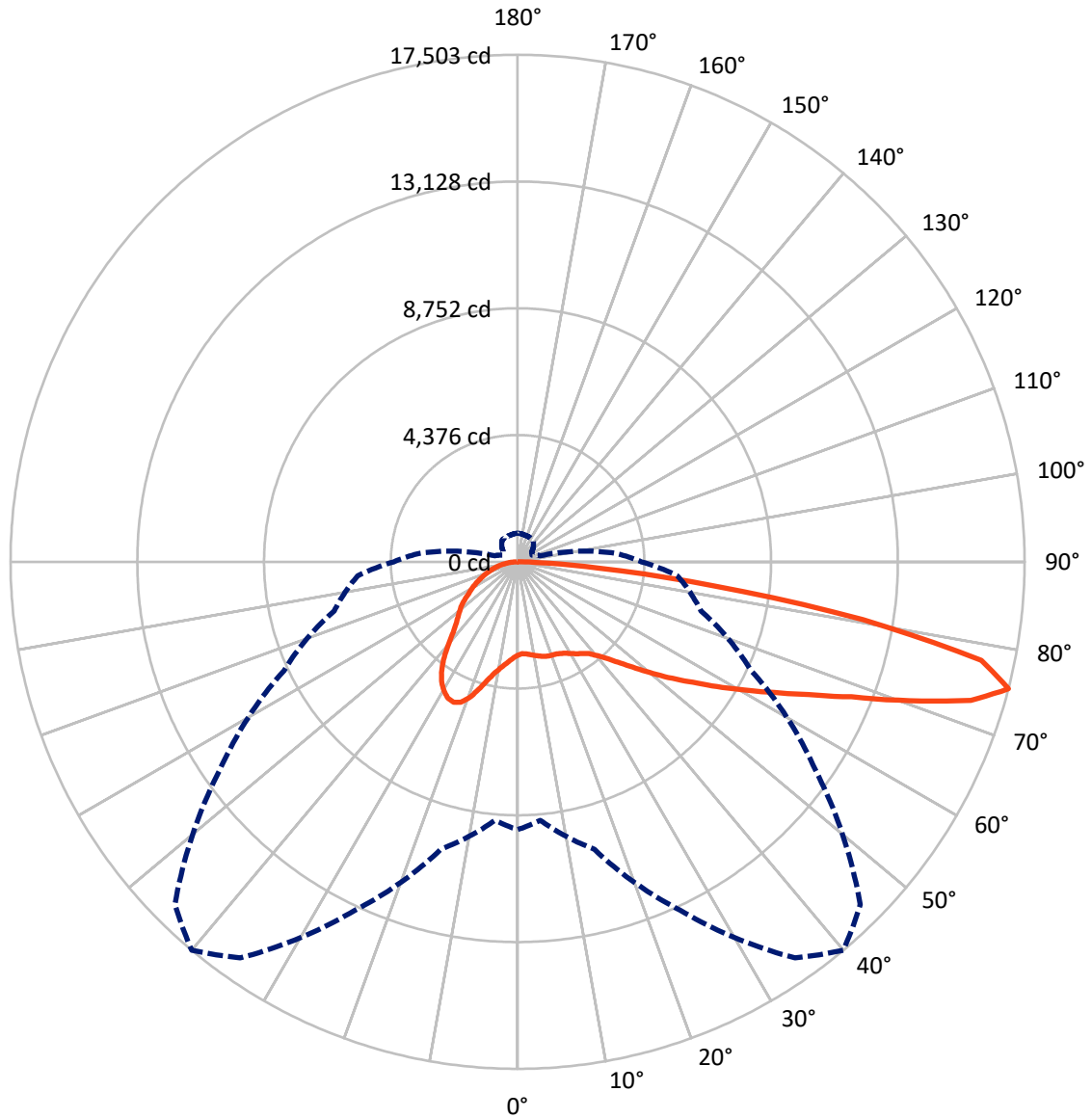
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 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	8713.1	0.0	8713.1
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	19408.9	0.0	19408.9
	% Fixture	69.0	0.0	69.0
Total	Lumens	28122.0	0.0	28122.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	321.0	1.1
10°-20°	1077.7	3.8
20°-30°	1967.9	7.0
30°-40°	2791.0	9.9
40°-50°	3768.6	13.4
50°-60°	5069.8	18.0
60°-70°	6434.8	22.9
70°-80°	5840.0	20.8
80°-90°	851.3	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°	28122.0	100.0
0°-180°	28122.0	100.0

Coefficient of Utilization

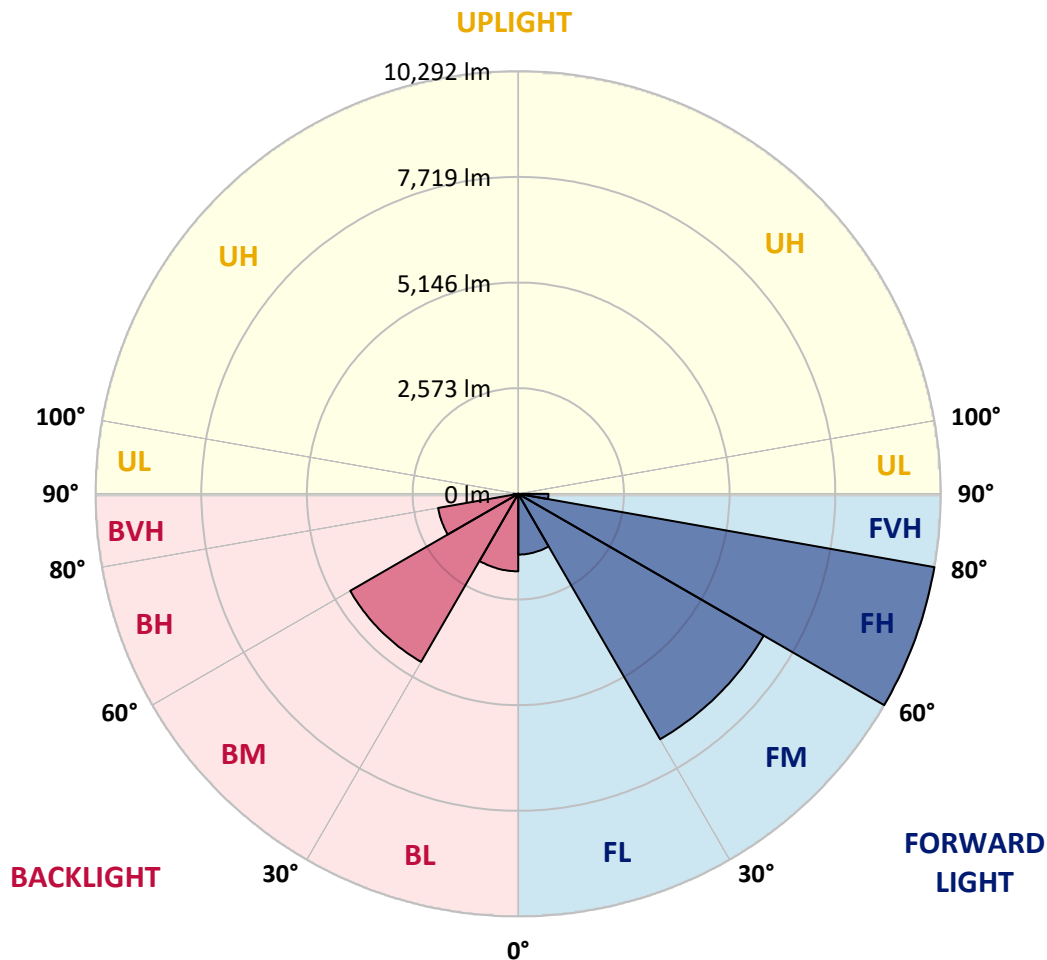


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1479.2	5.3			
FM (30°-60°)	6903.3	24.5			
FH (60°-80°)	10292.2	36.6			G4/12000
FVH (80°-90°)	734.1	2.6			G4/750
BL (0°-30°)	1887.3	6.7	B3/2500		
BM (30°-60°)	4726.1	16.8	B3/5000		
BH (60°-80°)	1982.5	7.0	B3/2500		G3/2500
BVH (80°-90°)	117.2	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-G4
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	3215.8	3215.8	3215.8	3215.8	3215.8	3215.8	3215.8	3215.8	3215.8	3215.8
2.5°	3166.6	3184.5	3180.0	3174.0	3174.0	3175.5	3174.0	3184.5	3194.9	3205.3
5°	3199.4	3217.3	3208.3	3200.9	3194.9	3193.4	3188.9	3187.4	3193.4	3206.8
7.5°	3263.5	3281.4	3268.0	3254.6	3242.6	3236.7	3230.7	3221.8	3217.3	3224.7
10°	3335.1	3353.0	3336.6	3312.7	3293.3	3285.9	3279.9	3271.0	3265.0	3269.5
12.5°	3406.7	3424.6	3402.2	3369.4	3344.1	3339.6	3332.1	3329.1	3327.7	3326.2
15°	3473.8	3488.7	3460.4	3421.6	3394.8	3387.3	3379.9	3384.3	3391.8	3400.7
17.5°	3526.0	3540.9	3499.2	3448.5	3423.1	3420.1	3415.7	3430.6	3451.5	3473.8
20°	3573.8	3588.7	3535.0	3466.4	3436.5	3436.5	3438.0	3469.4	3499.2	3532.0
22.5°	3640.9	3652.8	3587.2	3493.2	3450.0	3452.9	3464.9	3496.2	3533.5	3578.2
25°	3740.8	3749.8	3669.2	3543.9	3494.7	3503.7	3514.1	3529.0	3564.8	3617.0
27.5°	3901.9	3909.4	3803.5	3633.4	3558.8	3573.8	3588.7	3578.2	3594.6	3639.4
30°	4128.6	4133.1	3998.9	3773.6	3667.7	3675.2	3678.2	3634.9	3603.6	3639.4
32.5°	4397.1	4395.6	4236.0	3943.7	3791.5	3784.1	3758.7	3673.7	3600.6	3631.9
35°	4813.2	4796.8	4591.0	4182.3	3931.7	3885.5	3825.8	3716.9	3615.5	3624.5
37.5°	5502.3	5451.6	5166.7	4573.1	4140.6	4022.7	3934.7	3787.1	3648.3	3621.5
40°	6279.4	6215.3	5902.1	5108.6	4453.8	4264.3	4122.7	3887.0	3702.0	3634.9
42.5°	7201.2	7110.2	6773.1	5739.5	4850.5	4576.1	4362.8	4013.8	3781.1	3678.2
45°	8333.3	8212.5	7735.2	6451.0	5350.2	4984.8	4699.9	4206.2	3901.9	3761.7
47.5°	9477.3	9507.2	8828.5	7265.4	5949.8	5488.9	5122.0	4495.5	4077.9	3895.9
50°	10692.9	10713.8	9915.8	8167.7	6630.0	6058.7	5596.3	4819.2	4322.5	4086.9
52.5°	11641.6	11644.6	10903.3	9111.9	7338.4	6685.1	6107.9	5189.1	4605.9	4340.4
55°	12235.2	12227.8	11595.3	10005.3	8152.8	7342.9	6674.7	5609.7	4952.0	4638.7
57.5°	12666.3	12643.9	12072.6	10773.5	9020.9	8120.0	7316.1	6087.0	5360.6	4993.7
60°	12830.3	12816.9	12396.3	11437.2	9933.7	8979.1	8055.9	6621.0	5824.5	5412.8
62.5°	12893.0	12918.3	12714.0	12080.1	10910.7	9930.8	8868.8	7259.4	6346.6	5887.2
65°	13113.7	13160.0	13118.2	12921.3	12014.5	11044.9	9947.2	8018.6	6916.3	6395.8
67.5°	13550.8	13597.0	13614.9	13928.1	13362.8	12433.6	11292.5	8964.2	7583.1	6923.8
70°	13540.3	13526.9	13843.1	14729.1	15051.3	14356.2	13106.3	10127.6	8378.1	7362.3
72.5°	12324.7	12217.3	12964.6	14720.1	16456.3	16363.8	15321.2	11628.1	9064.2	7416.0
75°	9246.1	8959.8	10279.8	13265.9	16690.5	17503.4	16729.3	12558.9	8901.6	6552.4
77.5°	3954.1	3666.2	5221.9	9820.4	14937.9	16362.3	15437.6	10956.9	7105.8	4333.0
80°	1035.1	1033.6	1578.1	4452.3	10159.0	12083.1	10600.5	7075.9	4060.0	1548.2
82.5°	428.1	417.6	580.2	1731.7	4963.9	6780.6	5533.7	3156.1	1466.2	419.1
85°	159.6	158.1	281.9	598.1	1751.1	2796.7	2024.0	806.9	365.4	204.3
87.5°	44.7	43.3	61.2	207.3	426.6	647.3	346.0	132.7	102.9	80.5
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°
3215.8	0°	3215.8	3215.8	3215.8	3215.8	3215.8	3215.8	3215.8	3215.8	3215.8	3215.8
3221.8	2.5°	3226.2	3233.7	3247.1	3257.6	3271.0	3285.9	3306.8	3320.2	3333.6	3342.6
3229.2	5°	3239.7	3256.1	3290.4	3324.7	3364.9	3402.2	3445.5	3476.8	3502.2	3509.6
3256.1	7.5°	3269.5	3296.3	3354.5	3412.7	3476.8	3538.0	3600.6	3654.3	3697.6	3714.0
3303.8	10°	3321.7	3357.5	3439.5	3521.6	3606.6	3700.5	3781.1	3858.6	3919.8	3945.2
3360.5	12.5°	3387.3	3432.1	3539.5	3652.8	3770.6	3900.4	4004.8	4100.3	4176.3	4210.7
3439.5	15°	3472.3	3530.5	3667.7	3819.9	3992.9	4173.4	4306.1	4412.0	4497.0	4538.8
3521.6	17.5°	3564.8	3642.4	3815.4	4045.1	4292.7	4529.8	4685.0	4762.5	4850.5	4890.8
3597.6	20°	3654.3	3749.8	3997.4	4331.5	4661.1	4913.2	5038.5	5059.3	5065.3	5069.8
3669.2	22.5°	3746.8	3875.1	4225.6	4692.4	5045.9	5220.4	5238.3	5148.8	5023.6	4965.4
3739.3	25°	3848.2	4018.2	4523.9	5090.7	5377.0	5397.9	5260.7	5042.9	4805.8	4696.9
3796.0	27.5°	3946.6	4183.8	4881.9	5471.0	5615.7	5432.2	5136.9	4828.2	4541.8	4426.9
3836.3	30°	4045.1	4373.2	5277.1	5803.6	5724.6	5347.2	4941.5	4597.0	4309.1	4188.3
3872.1	32.5°	4145.0	4594.0	5732.0	6043.8	5705.2	5166.7	4698.4	4337.4	4083.9	3957.1
3903.4	35°	4258.4	4865.4	6163.1	6175.0	5575.4	4901.2	4377.7	4027.2	3806.4	3705.0
3940.7	37.5°	4406.0	5210.0	6543.4	6207.8	5348.7	4511.9	3979.5	3660.3	3478.3	3432.1
3995.9	40°	4589.5	5624.6	6834.3	6155.6	5013.1	4039.1	3543.9	3288.9	3186.0	3196.4
4070.4	42.5°	4828.2	6088.5	7038.6	6021.4	4546.3	3551.4	3162.1	3048.7	3098.0	3139.7
4182.3	45°	5138.4	6570.3	7165.4	5793.2	4018.2	3138.2	2936.9	2963.7	3001.0	3005.5
4362.8	47.5°	5535.2	7058.0	7248.9	5448.6	3479.8	2847.4	2793.7	2799.6	2792.2	2760.9
4632.8	50°	6030.3	7532.3	7323.5	4992.2	3021.9	2665.4	2593.8	2572.9	2470.0	2368.6
4992.2	52.5°	6594.2	7967.9	7354.8	4425.4	2665.4	2513.3	2396.9	2265.7	2073.3	2041.9
5444.2	55°	7220.6	8370.6	7274.3	3728.9	2365.6	2317.9	2141.9	1983.8	1962.9	1936.0
6039.3	57.5°	7969.4	8804.6	7110.2	2951.8	2058.3	2089.7	1918.1	1936.0	1898.7	1857.0
6804.5	60°	8788.2	9253.6	6822.4	2243.3	1740.6	1804.8	1860.0	1858.5	1848.0	1813.7
7611.4	62.5°	9525.1	9548.9	6255.6	1718.3	1461.7	1584.0	1734.7	1733.2	1724.2	1704.8
8454.1	65°	9963.6	9504.2	5309.9	1352.8	1232.0	1402.1	1564.6	1576.6	1578.1	1576.6
9088.0	67.5°	9886.0	8980.6	4012.3	1076.9	1042.6	1217.1	1396.1	1412.5	1424.4	1427.4
9168.6	70°	9009.0	7830.7	2616.2	859.1	874.1	1054.5	1236.5	1252.9	1263.3	1275.3
7955.9	72.5°	7022.2	5757.4	1497.5	695.1	726.4	914.3	1078.4	1097.8	1103.7	1126.1
5536.6	75°	4279.3	3385.8	808.4	547.4	596.6	781.6	921.8	944.2	954.6	981.4
2719.1	77.5°	2034.5	1466.2	460.9	426.6	480.3	638.4	778.6	803.9	775.6	790.5
750.3	80°	687.6	544.4	290.9	325.2	366.9	498.2	623.5	648.8	589.2	586.2
249.1	82.5°	240.1	220.7	185.0	216.3	237.2	356.5	471.3	504.1	438.5	437.0
111.9	85°	94.0	89.5	102.9	117.8	141.7	219.3	310.2	326.7	270.0	217.8
32.8	87.5°	19.4	20.9	25.4	26.8	43.3	76.1	111.9	137.2	108.9	92.5
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>
3215.8
3336.6
3512.6
3715.5
3946.6
4210.7
4535.8
4889.3
5081.7
4981.8
4713.3
4440.4
4201.7
3973.5
3727.4
3464.9
3232.2
3178.5
3035.3
2784.7
2382.0
2052.4
1940.5
1849.5
1801.8
1697.4
1576.6
1430.4
1281.2
1135.1
984.4
778.6
580.2
416.1
214.8
85.0
0.0

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