

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: P849123

Luminaire Tested: **GLAN-SB6A-735-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849123
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-SB6A-735-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3500K, 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: 26460 lumens
Efficiency: N/A
Efficacy: 154.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

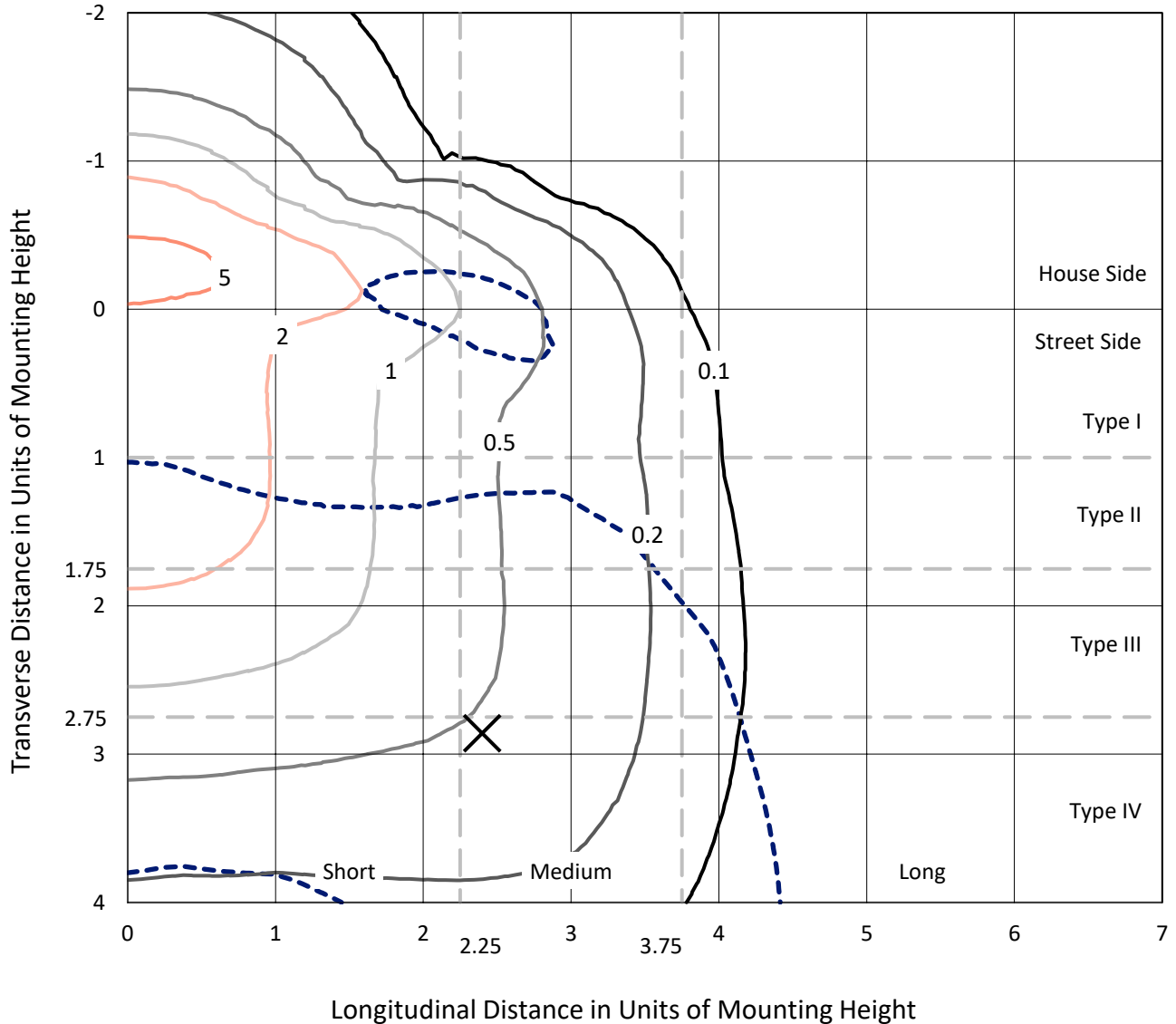
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

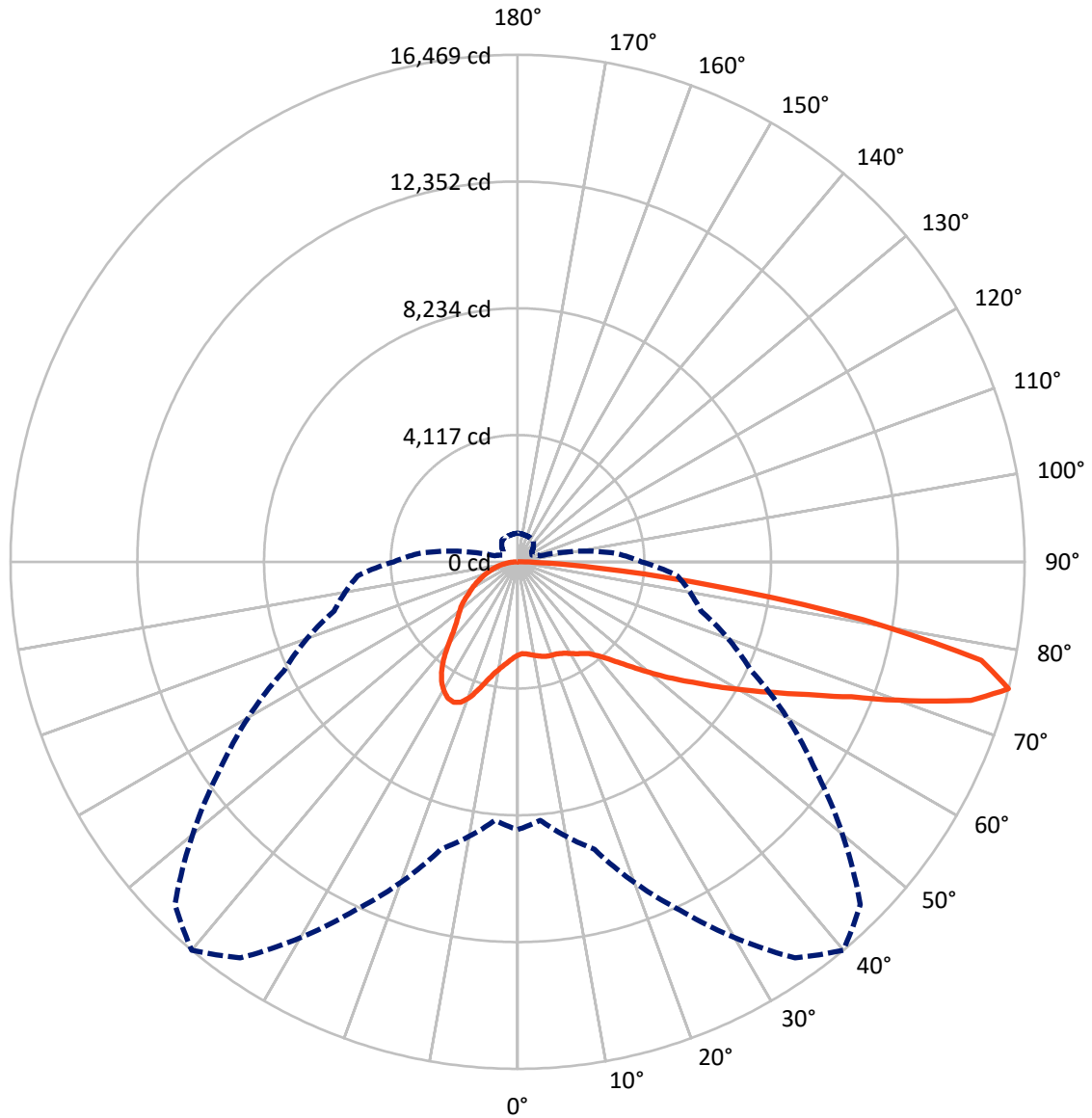
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 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	8198.2	0.0	8198.2
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	18261.8	0.0	18261.8
	% Fixture	69.0	0.0	69.0
Total	Lumens	26460.0	0.0	26460.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	302.0	1.1
10°-20°	1014.0	3.8
20°-30°	1851.6	7.0
30°-40°	2626.0	9.9
40°-50°	3545.9	13.4
50°-60°	4770.2	18.0
60°-70°	6054.5	22.9
70°-80°	5494.8	20.8
80°-90°	801.0	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°	26460.0	100.0
0°-180°	26460.0	100.0

Coefficient of Utilization

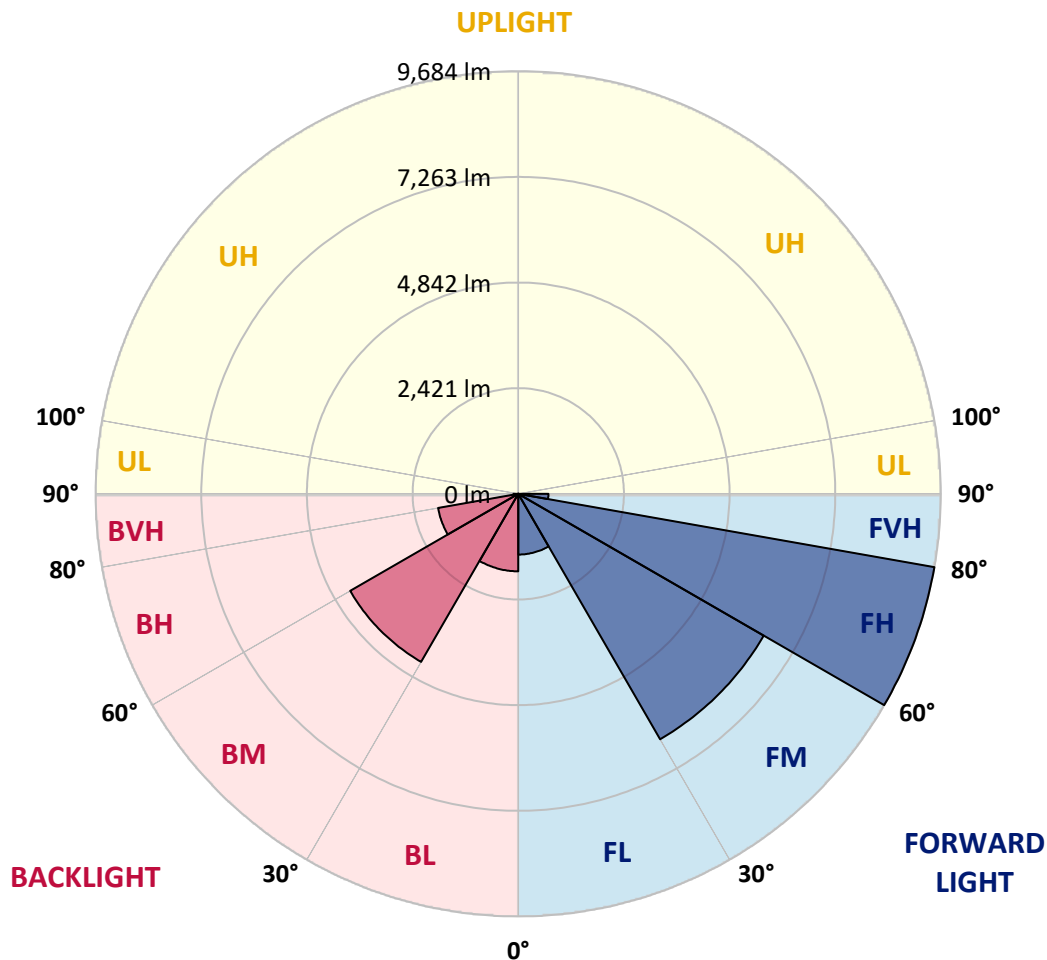


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1391.8	5.3			
FM (30°-60°)	6495.3	24.5			
FH (60°-80°)	9684.0	36.6			G4/12000
FVH (80°-90°)	690.7	2.6			G4/750
BL (0°-30°)	1775.8	6.7	B3/2500		
BM (30°-60°)	4446.8	16.8	B3/5000		
BH (60°-80°)	1865.3	7.0	B3/2500		G3/2500
BVH (80°-90°)	110.3	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°	3025.7	3025.7	3025.7	3025.7	3025.7	3025.7	3025.7	3025.7	3025.7	3025.7
2.5°	2979.4	2996.3	2992.1	2986.4	2986.4	2987.8	2986.4	2996.3	3006.1	3015.9
5°	3010.3	3027.1	3018.7	3011.7	3006.1	3004.7	3000.5	2999.1	3004.7	3017.3
7.5°	3070.6	3087.5	3074.9	3062.2	3051.0	3045.4	3039.8	3031.3	3027.1	3034.2
10°	3138.0	3154.8	3139.4	3117.0	3098.7	3091.7	3086.1	3077.7	3072.0	3076.3
12.5°	3205.4	3222.2	3201.2	3170.3	3146.4	3142.2	3135.2	3132.4	3131.0	3129.6
15°	3268.5	3282.6	3255.9	3219.4	3194.1	3187.1	3180.1	3184.3	3191.3	3199.8
17.5°	3317.6	3331.7	3292.4	3244.7	3220.8	3218.0	3213.8	3227.8	3247.5	3268.5
20°	3362.6	3376.6	3326.1	3261.5	3233.4	3233.4	3234.8	3264.3	3292.4	3323.3
22.5°	3425.7	3436.9	3375.2	3286.8	3246.1	3248.9	3260.1	3289.6	3324.7	3366.8
25°	3519.7	3528.2	3452.4	3334.5	3288.2	3296.6	3306.4	3320.5	3354.1	3403.3
27.5°	3671.3	3678.3	3578.7	3418.7	3348.5	3362.6	3376.6	3366.8	3382.2	3424.3
30°	3884.6	3888.8	3762.5	3550.6	3451.0	3458.0	3460.8	3420.1	3390.6	3424.3
32.5°	4137.2	4135.8	3985.7	3710.6	3567.4	3560.4	3536.6	3456.6	3387.8	3417.3
35°	4528.8	4513.3	4319.7	3935.1	3699.4	3655.9	3599.7	3497.3	3401.8	3410.3
37.5°	5177.2	5129.4	4861.4	4302.8	3895.8	3785.0	3702.2	3563.2	3432.7	3407.5
40°	5908.3	5848.0	5553.3	4806.7	4190.6	4012.3	3879.0	3657.3	3483.2	3420.1
42.5°	6775.6	6690.0	6372.9	5400.3	4563.9	4305.6	4105.0	3776.6	3557.6	3460.8
45°	7840.8	7727.1	7278.0	6069.7	5034.0	4690.2	4422.1	3957.6	3671.3	3539.4
47.5°	8917.2	8945.3	8306.7	6836.0	5598.2	5164.5	4819.3	4229.9	3836.9	3665.7
50°	10061.0	10080.6	9329.8	7685.0	6238.1	5700.6	5265.6	4534.4	4067.1	3845.3
52.5°	10953.6	10956.4	10258.9	8573.4	6904.7	6290.1	5746.9	4882.4	4333.7	4083.9
55°	11512.1	11505.1	10910.1	9414.0	7671.0	6909.0	6280.2	5278.2	4659.3	4364.6
57.5°	11917.7	11896.6	11359.1	10136.8	8487.8	7640.1	6883.7	5727.3	5043.8	4698.6
60°	12072.1	12059.4	11663.7	10761.3	9346.7	8448.5	7579.8	6229.7	5480.3	5092.9
62.5°	12131.0	12154.9	11962.6	11366.2	10265.9	9343.9	8344.6	6830.4	5971.5	5539.2
65°	12338.7	12382.2	12342.9	12157.7	11304.4	10392.2	9359.3	7544.7	6507.6	6017.8
67.5°	12749.9	12793.4	12810.3	13105.0	12573.1	11698.8	10625.2	8434.5	7134.9	6514.6
70°	12740.1	12727.5	13025.0	13858.6	14161.7	13507.8	12331.7	9529.1	7882.9	6927.2
72.5°	11596.3	11495.3	12198.4	13850.2	15483.7	15396.7	14415.8	10940.9	8528.5	6977.7
75°	8699.7	8430.2	9672.3	12481.9	15704.1	16468.9	15740.6	11816.7	8375.5	6165.1
77.5°	3720.4	3449.6	4913.3	9240.0	14055.1	15395.3	14525.2	10309.4	6685.8	4076.9
80°	974.0	972.6	1484.8	4189.2	9558.6	11369.0	9974.0	6657.7	3820.1	1456.7
82.5°	402.8	393.0	545.9	1629.4	4670.5	6379.9	5206.6	2969.6	1379.5	394.4
85°	150.2	148.8	265.2	562.8	1647.6	2631.4	1904.4	759.2	343.8	192.3
87.5°	42.1	40.7	57.5	195.1	401.4	609.1	325.6	124.9	96.8	75.8
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°
3025.7	0°	3025.7	3025.7	3025.7	3025.7	3025.7	3025.7	3025.7	3025.7	3025.7	3025.7
3031.3	2.5°	3035.6	3042.6	3055.2	3065.0	3077.7	3091.7	3111.3	3124.0	3136.6	3145.0
3038.4	5°	3048.2	3063.6	3095.9	3128.2	3166.1	3201.2	3241.9	3271.3	3295.2	3302.2
3063.6	7.5°	3076.3	3101.5	3156.3	3211.0	3271.3	3328.9	3387.8	3438.3	3479.0	3494.5
3108.5	10°	3125.4	3159.1	3236.2	3313.4	3393.4	3481.8	3557.6	3630.6	3688.1	3712.0
3161.9	12.5°	3187.1	3229.2	3330.3	3436.9	3547.8	3669.9	3768.1	3858.0	3929.5	3961.8
3236.2	15°	3267.1	3321.9	3451.0	3594.1	3756.9	3926.7	4051.6	4151.3	4231.3	4270.6
3313.4	17.5°	3354.1	3427.1	3589.9	3806.0	4039.0	4262.1	4408.1	4481.1	4563.9	4601.8
3385.0	20°	3438.3	3528.2	3761.1	4075.5	4385.6	4622.8	4740.7	4760.3	4766.0	4770.2
3452.4	22.5°	3525.3	3646.0	3975.8	4415.1	4747.7	4911.9	4928.8	4844.5	4726.7	4671.9
3518.3	25°	3620.8	3780.8	4256.5	4789.8	5059.3	5078.9	4949.8	4744.9	4521.8	4419.3
3571.7	27.5°	3713.4	3936.5	4593.3	5147.7	5283.8	5111.2	4833.3	4542.8	4273.4	4165.3
3609.6	30°	3806.0	4114.8	4965.2	5460.6	5386.3	5031.2	4649.5	4325.3	4054.4	3940.8
3643.2	32.5°	3900.1	4322.5	5393.3	5686.6	5368.0	4861.4	4420.7	4081.1	3842.5	3723.2
3672.7	35°	4006.7	4577.9	5798.9	5810.1	5245.9	4611.6	4119.0	3789.2	3581.5	3486.1
3707.8	37.5°	4145.7	4902.1	6156.7	5841.0	5032.6	4245.3	3744.3	3444.0	3272.7	3229.2
3759.7	40°	4318.3	5292.2	6430.4	5791.8	4716.8	3800.4	3334.5	3094.5	2997.7	3007.5
3829.9	42.5°	4542.8	5728.7	6622.7	5665.5	4277.6	3341.5	2975.2	2868.6	2914.9	2954.2
3935.1	45°	4834.7	6182.0	6741.9	5450.8	3780.8	2952.8	2763.3	2788.6	2823.6	2827.9
4105.0	47.5°	5208.0	6640.9	6820.5	5126.6	3274.1	2679.1	2628.6	2634.2	2627.2	2597.7
4359.0	50°	5674.0	7087.2	6890.7	4697.2	2843.3	2507.9	2440.5	2420.9	2324.0	2228.6
4697.2	52.5°	6204.4	7497.0	6920.2	4163.9	2507.9	2364.7	2255.3	2131.8	1950.7	1921.3
5122.4	55°	6793.9	7875.9	6844.4	3508.5	2225.8	2180.9	2015.3	1866.5	1846.9	1821.6
5682.4	57.5°	7498.4	8284.3	6690.0	2777.3	1936.7	1966.2	1804.8	1821.6	1786.5	1747.2
6402.3	60°	8268.8	8706.7	6419.2	2110.7	1637.8	1698.1	1750.0	1748.6	1738.8	1706.5
7161.6	62.5°	8962.1	8984.6	5885.9	1616.7	1375.3	1490.4	1632.2	1630.8	1622.3	1604.1
7954.5	65°	9374.7	8942.5	4996.1	1272.9	1159.2	1319.2	1472.2	1483.4	1484.8	1483.4
8550.9	67.5°	9301.8	8449.9	3775.2	1013.3	981.0	1145.2	1313.6	1329.0	1340.2	1343.1
8626.7	70°	8476.6	7367.9	2461.6	808.4	822.4	992.2	1163.4	1178.9	1188.7	1199.9
7485.8	72.5°	6607.2	5417.1	1409.0	654.0	683.5	860.3	1014.7	1032.9	1038.5	1059.6
5209.4	75°	4026.4	3185.7	760.6	515.0	561.4	735.4	867.3	888.4	898.2	923.4
2558.4	77.5°	1914.2	1379.5	433.7	401.4	451.9	600.7	732.6	756.4	729.8	743.8
705.9	80°	647.0	512.2	273.7	305.9	345.2	468.7	586.6	610.5	554.3	551.5
234.4	82.5°	225.9	207.7	174.0	203.5	223.1	335.4	443.5	474.4	412.6	411.2
105.3	85°	88.4	84.2	96.8	110.9	133.3	206.3	291.9	307.3	254.0	204.9
30.9	87.5°	18.2	19.6	23.9	25.3	40.7	71.6	105.3	129.1	102.4	87.0
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>
3025.7
3139.4
3305.0
3495.9
3713.4
3961.8
4267.7
4600.4
4781.4
4687.4
4434.8
4177.9
3953.4
3738.7
3507.1
3260.1
3041.2
2990.7
2855.9
2620.2
2241.2
1931.1
1825.8
1740.2
1695.3
1597.1
1483.4
1345.9
1205.5
1068.0
926.2
732.6
545.9
391.5
202.1
80.0
0.0

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