

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: P847643

Luminaire Tested: **GLAN-SB3D-830-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847643
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-SB3D-830-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25987 lumens
Efficiency: N/A
Efficacy: 119.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

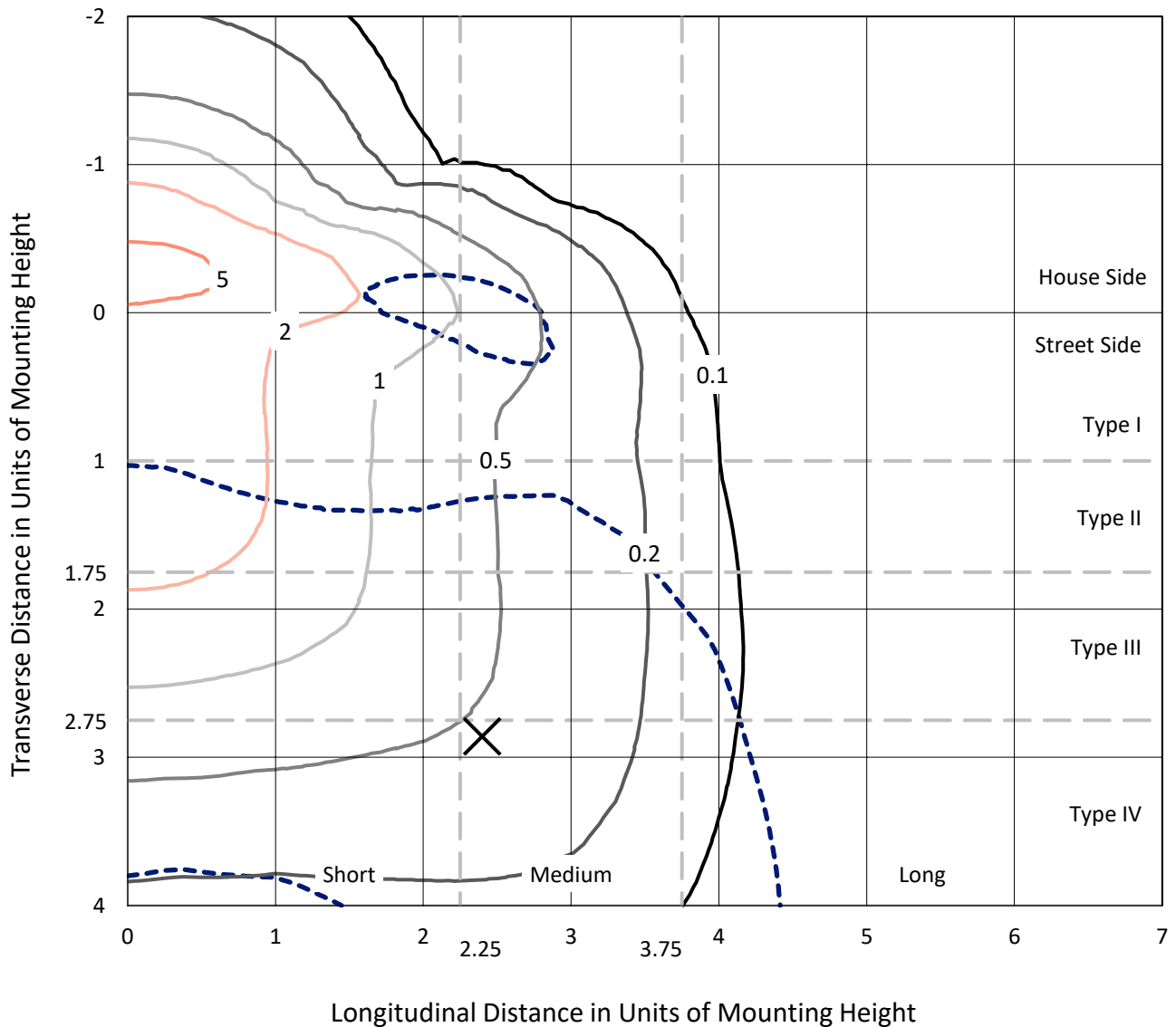
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

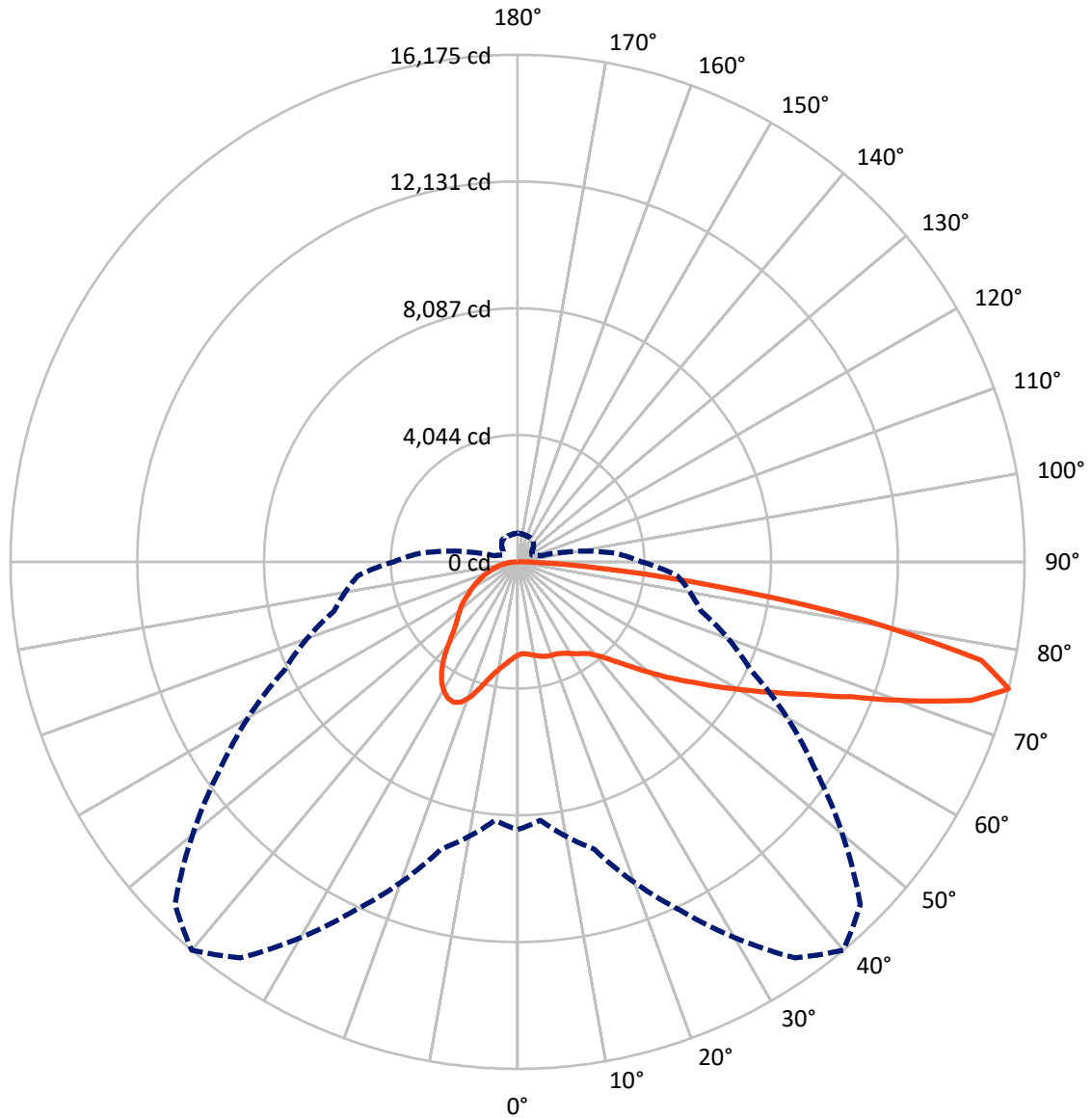
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 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	8051.6	0.0	8051.6
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	17935.4	0.0	17935.4
	% Fixture	69.0	0.0	69.0
Total	Lumens	25987.0	0.0	25987.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	296.6	1.1
10°-20°	995.9	3.8
20°-30°	1818.5	7.0
30°-40°	2579.1	9.9
40°-50°	3482.5	13.4
50°-60°	4684.9	18.0
60°-70°	5946.2	22.9
70°-80°	5396.6	20.8
80°-90°	786.7	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°	25987.0	100.0
0°-180°	25987.0	100.0

Coefficient of Utilization

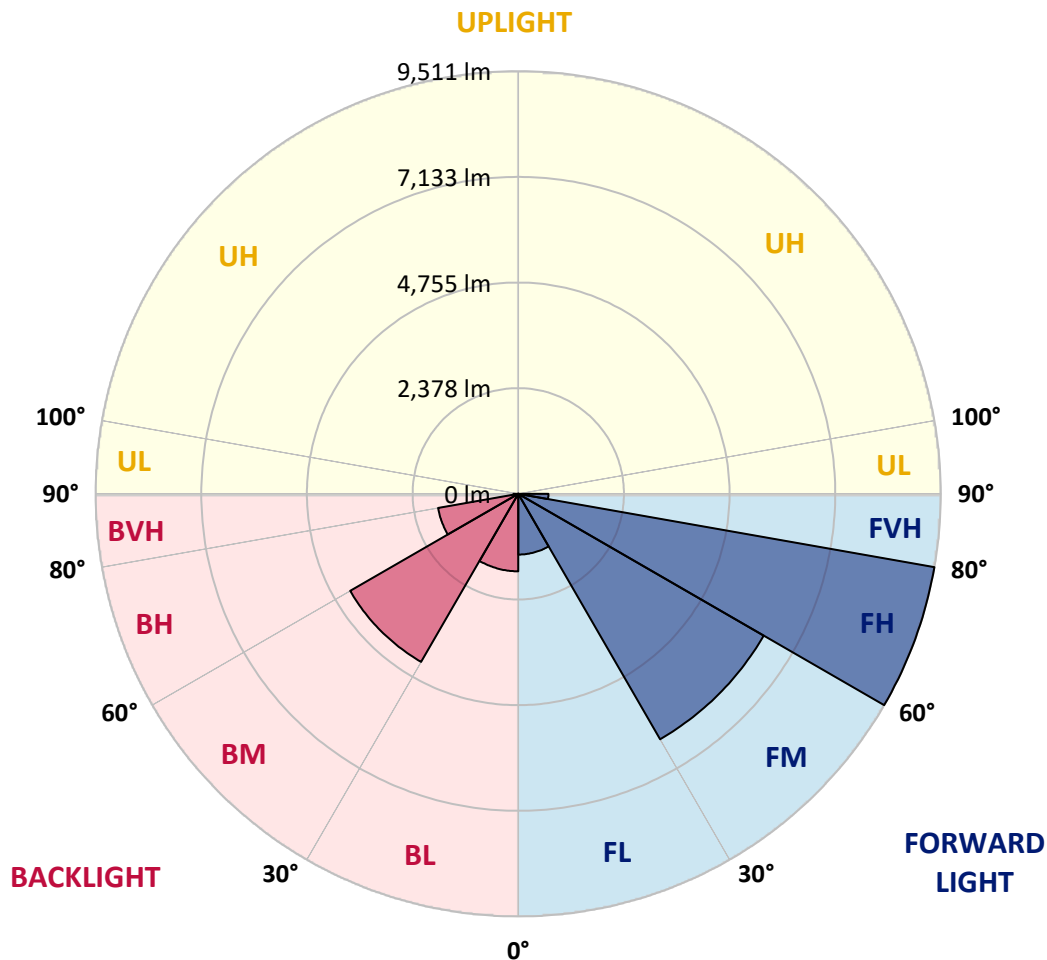


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1366.9	5.3			
FM (30°-60°)	6379.2	24.5			
FH (60°-80°)	9510.8	36.6			G4/12000
FVH (80°-90°)	678.3	2.6			G4/750
BL (0°-30°)	1744.1	6.7	B3/2500		
BM (30°-60°)	4367.3	16.8	B3/5000		
BH (60°-80°)	1832.0	7.0	B3/2500		G3/2500
BVH (80°-90°)	108.3	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°	2971.6	2971.6	2971.6	2971.6	2971.6	2971.6	2971.6	2971.6	2971.6	2971.6
2.5°	2926.2	2942.7	2938.6	2933.1	2933.1	2934.4	2933.1	2942.7	2952.4	2962.0
5°	2956.5	2973.0	2964.8	2957.9	2952.4	2951.0	2946.8	2945.5	2951.0	2963.4
7.5°	3015.8	3032.3	3019.9	3007.5	2996.5	2990.9	2985.4	2977.2	2973.0	2979.9
10°	3081.9	3098.5	3083.3	3061.2	3043.3	3036.4	3030.9	3022.6	3017.1	3021.3
12.5°	3148.1	3164.6	3143.9	3113.6	3090.2	3086.0	3079.2	3076.4	3075.0	3073.6
15°	3210.1	3223.9	3197.7	3161.9	3137.0	3130.2	3123.3	3127.4	3134.3	3142.6
17.5°	3258.3	3272.1	3233.5	3186.7	3163.2	3160.5	3156.3	3170.1	3189.4	3210.1
20°	3302.4	3316.2	3266.6	3203.2	3175.6	3175.6	3177.0	3206.0	3233.5	3263.9
22.5°	3364.5	3375.5	3314.8	3228.0	3188.0	3190.8	3201.8	3230.8	3265.2	3306.6
25°	3456.8	3465.1	3390.7	3274.9	3229.4	3237.7	3247.3	3261.1	3294.2	3342.4
27.5°	3605.7	3612.6	3514.7	3357.6	3288.7	3302.4	3316.2	3306.6	3321.7	3363.1
30°	3815.2	3819.3	3695.3	3487.1	3389.3	3396.2	3398.9	3359.0	3330.0	3363.1
32.5°	4063.3	4061.9	3914.4	3644.3	3503.7	3496.8	3473.4	3394.8	3327.3	3356.2
35°	4447.8	4432.7	4242.5	3864.8	3633.2	3590.5	3535.4	3434.8	3341.0	3349.3
37.5°	5084.6	5037.7	4774.5	4225.9	3826.2	3717.3	3636.0	3499.5	3371.4	3346.5
40°	5802.7	5743.4	5454.0	4720.7	4115.6	3940.6	3809.7	3591.9	3421.0	3359.0
42.5°	6654.5	6570.4	6258.9	5303.8	4482.3	4228.7	4031.6	3709.0	3494.0	3398.9
45°	7700.6	7589.0	7147.9	5961.2	4944.0	4606.3	4343.1	3886.8	3605.7	3476.1
47.5°	8757.8	8785.4	8158.2	6713.8	5498.1	5072.2	4733.1	4154.2	3768.3	3600.2
50°	9881.1	9900.4	9163.0	7547.7	6126.6	5598.7	5171.4	4453.3	3994.4	3776.6
52.5°	10757.8	10760.5	10075.5	8420.1	6781.3	6177.6	5644.2	4795.2	4256.2	4010.9
55°	11306.3	11299.4	10715.0	9245.7	7533.9	6785.4	6168.0	5183.8	4576.0	4286.6
57.5°	11704.7	11684.0	11156.1	9955.6	8336.1	7503.5	6760.6	5624.9	4953.7	4614.6
60°	11856.3	11843.9	11455.2	10568.9	9179.6	8297.5	7444.3	6118.3	5382.3	5001.9
62.5°	11914.2	11937.6	11748.8	11163.0	10082.4	9176.8	8195.5	6708.3	5864.7	5440.2
65°	12118.1	12160.9	12122.3	11940.3	11102.3	10206.4	9192.0	7409.8	6391.2	5910.2
67.5°	12522.0	12564.7	12581.3	12870.7	12348.3	11489.6	10435.2	8283.7	7007.4	6398.1
70°	12512.3	12499.9	12792.1	13610.9	13908.6	13266.3	12111.3	9358.8	7742.0	6803.4
72.5°	11389.0	11289.8	11980.3	13602.6	15207.0	15121.5	14158.1	10745.3	8376.0	6853.0
75°	8544.2	8279.5	9499.3	12258.7	15423.3	16174.5	15459.2	11605.4	8225.8	6054.9
77.5°	3653.9	3387.9	4825.5	9074.8	13803.8	15120.1	14265.6	10125.1	6566.3	4004.0
80°	956.6	955.2	1458.3	4114.3	9387.7	11165.7	9795.7	6538.7	3751.8	1430.7
82.5°	395.6	385.9	536.2	1600.2	4587.0	6265.8	5113.6	2916.5	1354.9	387.3
85°	147.5	146.1	260.5	552.7	1618.1	2584.3	1870.4	745.7	337.7	188.8
87.5°	41.3	40.0	56.5	191.6	394.2	598.2	319.8	122.7	95.1	74.4
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°
2971.6	0°	2971.6	2971.6	2971.6	2971.6	2971.6	2971.6	2971.6	2971.6	2971.6	2971.6
2977.2	2.5°	2981.3	2988.2	3000.6	3010.2	3022.6	3036.4	3055.7	3068.1	3080.5	3088.8
2984.1	5°	2993.7	3008.9	3040.6	3072.3	3109.5	3143.9	3183.9	3212.9	3236.3	3243.2
3008.9	7.5°	3021.3	3046.1	3099.8	3153.6	3212.9	3269.4	3327.3	3376.9	3416.8	3432.0
3053.0	10°	3069.5	3102.6	3178.4	3254.2	3332.8	3419.6	3494.0	3565.7	3622.2	3645.6
3105.3	12.5°	3130.2	3171.5	3270.7	3375.5	3484.4	3604.3	3700.8	3789.0	3859.3	3891.0
3178.4	15°	3208.7	3262.5	3389.3	3529.9	3689.8	3856.5	3979.2	4077.1	4155.6	4194.2
3254.2	17.5°	3294.2	3365.8	3525.7	3738.0	3966.8	4185.9	4329.3	4401.0	4482.3	4519.5
3324.5	20°	3376.9	3465.1	3693.9	4002.6	4307.2	4540.2	4655.9	4675.2	4680.8	4684.9
3390.7	22.5°	3462.3	3580.9	3904.8	4336.2	4662.8	4824.1	4840.6	4757.9	4642.2	4588.4
3455.4	25°	3556.1	3713.2	4180.4	4704.2	4968.8	4988.1	4861.3	4660.1	4440.9	4340.3
3507.8	27.5°	3647.0	3866.2	4511.2	5055.7	5189.4	5019.8	4746.9	4461.6	4197.0	4090.8
3545.0	30°	3738.0	4041.2	4876.5	5363.0	5290.0	4941.3	4566.4	4248.0	3982.0	3870.3
3578.1	32.5°	3830.3	4245.2	5296.9	5584.9	5272.1	4774.5	4341.7	4008.1	3773.8	3656.7
3607.1	35°	3935.1	4496.1	5695.2	5706.2	5152.1	4529.1	4045.4	3721.5	3517.5	3423.7
3641.5	37.5°	4071.5	4814.5	6046.7	5736.5	4942.6	4169.4	3677.3	3382.4	3214.2	3171.5
3692.5	40°	4241.1	5197.6	6315.4	5688.3	4632.5	3732.5	3274.9	3039.2	2944.1	2953.7
3761.4	42.5°	4461.6	5626.3	6504.3	5564.3	4201.1	3281.8	2922.0	2817.3	2862.8	2901.4
3864.8	45°	4748.3	6071.5	6621.4	5353.4	3713.2	2900.0	2713.9	2738.7	2773.2	2777.3
4031.6	47.5°	5114.9	6522.2	6698.6	5035.0	3215.6	2631.2	2581.6	2587.1	2580.2	2551.3
4281.0	50°	5572.5	6960.5	6767.5	4613.2	2792.5	2463.0	2396.9	2377.6	2282.5	2188.8
4613.2	52.5°	6093.5	7363.0	6796.5	4089.5	2463.0	2322.5	2215.0	2093.7	1915.9	1886.9
5030.9	55°	6672.4	7735.1	6722.0	3445.8	2186.0	2141.9	1979.3	1833.2	1813.9	1789.1
5580.8	57.5°	7364.3	8136.2	6570.4	2727.7	1902.1	1931.0	1772.5	1789.1	1754.6	1716.0
6287.9	60°	8121.0	8551.1	6304.4	2073.0	1608.5	1667.8	1718.8	1717.4	1707.7	1676.0
7033.5	62.5°	8801.9	8824.0	5780.7	1587.8	1350.7	1463.8	1603.0	1601.6	1593.3	1575.4
7812.3	65°	9207.1	8782.6	4906.8	1250.1	1138.5	1295.6	1445.9	1456.9	1458.3	1456.9
8398.1	67.5°	9135.5	8298.8	3707.7	995.1	963.4	1124.7	1290.1	1305.3	1316.3	1319.0
8472.5	70°	8325.0	7236.2	2417.6	793.9	807.7	974.5	1142.6	1157.8	1167.4	1178.5
7351.9	72.5°	6489.1	5320.3	1383.8	642.3	671.2	844.9	996.5	1014.4	1020.0	1040.6
5116.3	75°	3954.4	3128.8	747.0	505.8	551.3	722.2	851.8	872.5	882.1	906.9
2512.7	77.5°	1880.0	1354.9	425.9	394.2	443.8	589.9	719.5	742.9	716.7	730.5
693.3	80°	635.4	503.1	268.8	300.5	339.1	460.4	576.1	599.6	544.4	541.7
230.2	82.5°	221.9	204.0	170.9	199.9	219.2	329.4	435.5	465.9	405.2	403.8
103.4	85°	86.8	82.7	95.1	108.9	130.9	202.6	286.7	301.9	249.5	201.2
30.3	87.5°	17.9	19.3	23.4	24.8	40.0	70.3	103.4	126.8	100.6	85.5
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>
2971.6
3083.3
3245.9
3433.4
3647.0
3891.0
4191.5
4518.1
4695.9
4603.6
4355.5
4103.2
3882.7
3671.8
3444.4
3201.8
2986.8
2937.2
2804.9
2573.3
2201.2
1896.6
1793.2
1709.1
1665.0
1568.5
1456.9
1321.8
1184.0
1048.9
909.7
719.5
536.2
384.6
198.5
78.6
0.0

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