

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: P849863

Luminaire Tested: **GLAN-SB7A-835-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849863  
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-835-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 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: 26183 lumens  
Efficiency: N/A  
Efficacy: 131.5 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

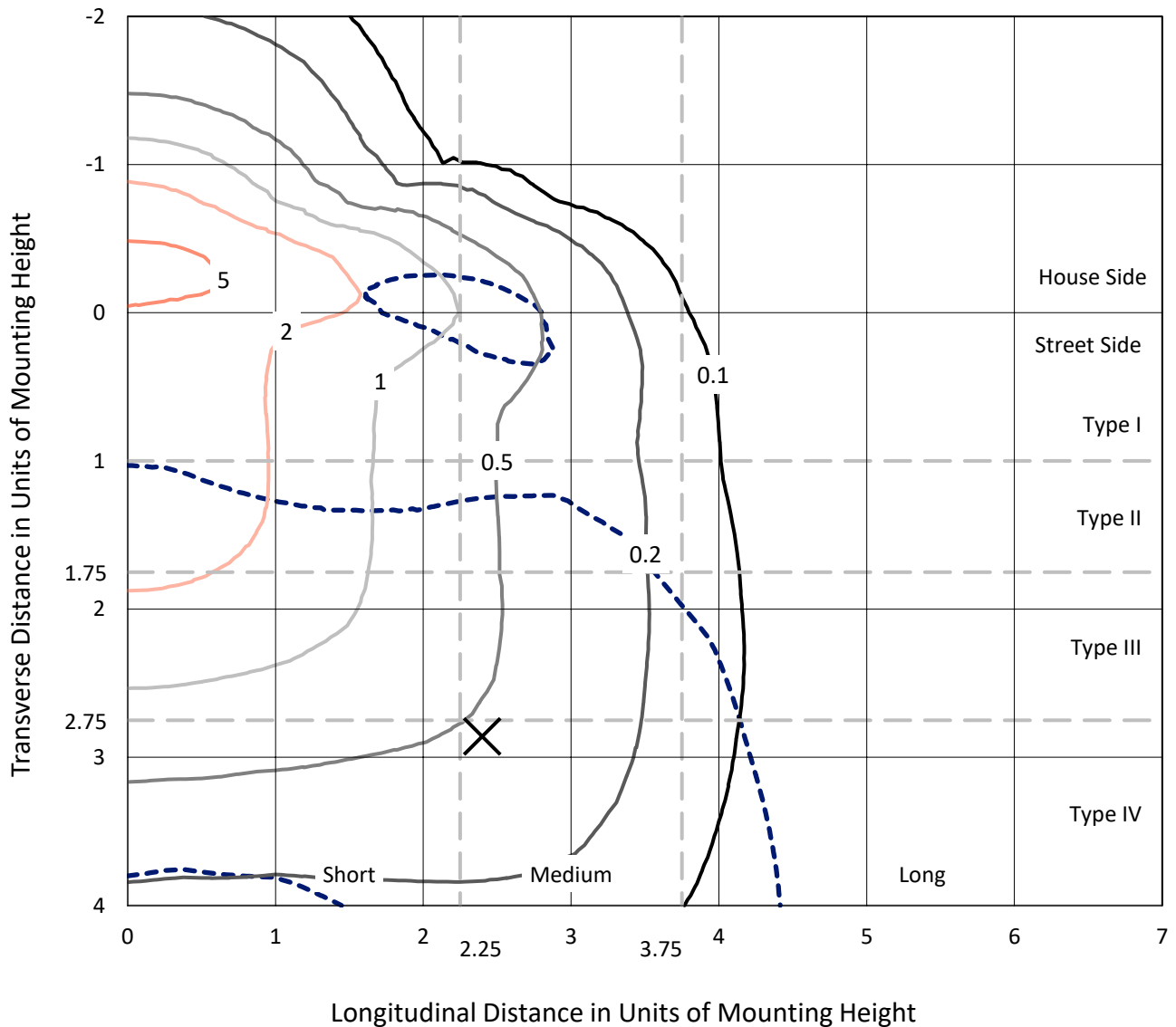
Input Watts (W): 199.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

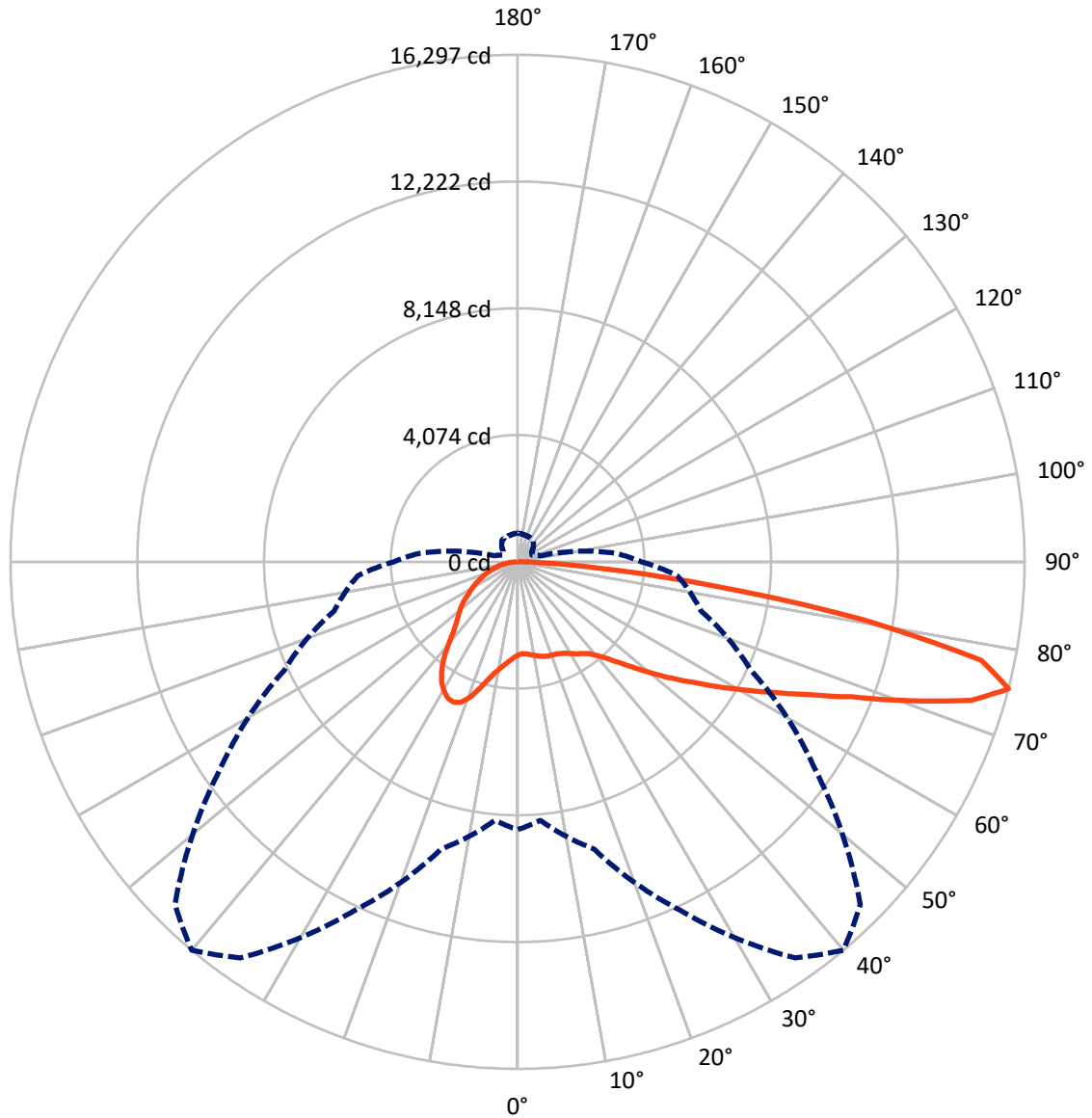
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 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
<b>House Side</b>	Lumens	8112.4	0.0	8112.4
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	18070.6	0.0	18070.6
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	26183.0	0.0	26183.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	298.9	1.1
10°-20°	1003.4	3.8
20°-30°	1832.2	7.0
30°-40°	2598.5	9.9
40°-50°	3508.8	13.4
50°-60°	4720.3	18.0
60°-70°	5991.1	22.9
70°-80°	5437.3	20.8
80°-90°	792.6	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°	26183.0	100.0
0°-180°	26183.0	100.0

**Coefficient of Utilization**

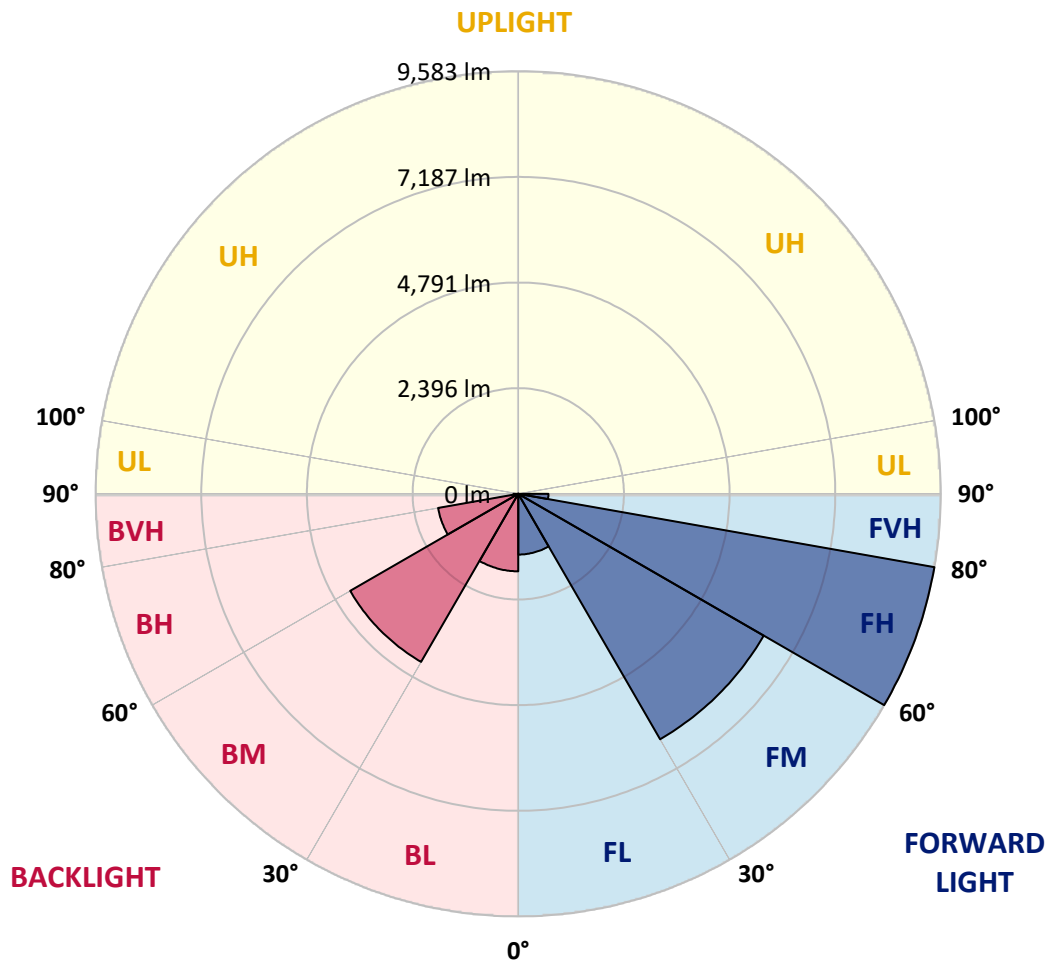


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1377.3	5.3			
FM (30°-60°)	6427.3	24.5			
FH (60°-80°)	9582.6	36.6			G4/12000
FVH (80°-90°)	683.5	2.6			G4/750
BL (0°-30°)	1757.2	6.7	B3/2500		
BM (30°-60°)	4400.2	16.8	B3/5000		
BH (60°-80°)	1845.8	7.0	B3/2500		G3/2500
BVH (80°-90°)	109.1	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-G4**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	2994.1	2994.1	2994.1	2994.1	2994.1	2994.1	2994.1	2994.1	2994.1	2994.1
2.5°	2948.2	2964.9	2960.7	2955.2	2955.2	2956.6	2955.2	2964.9	2974.6	2984.3
5°	2978.8	2995.4	2987.1	2980.2	2974.6	2973.2	2969.1	2967.7	2973.2	2985.7
7.5°	3038.5	3055.2	3042.7	3030.2	3019.1	3013.5	3007.9	2999.6	2995.4	3002.4
10°	3105.2	3121.8	3106.5	3084.3	3066.3	3059.3	3053.8	3045.4	3039.9	3044.1
12.5°	3171.8	3188.5	3167.6	3137.1	3113.5	3109.3	3102.4	3099.6	3098.2	3096.8
15°	3234.3	3248.2	3221.8	3185.7	3160.7	3153.8	3146.8	3151.0	3157.9	3166.3
17.5°	3282.9	3296.8	3257.9	3210.7	3187.1	3184.3	3180.1	3194.0	3213.5	3234.3
20°	3327.4	3341.2	3291.2	3227.4	3199.6	3199.6	3201.0	3230.1	3257.9	3288.5
22.5°	3389.8	3401.0	3339.8	3252.4	3212.1	3214.9	3226.0	3255.1	3289.9	3331.5
25°	3482.9	3491.2	3416.2	3299.6	3253.7	3262.1	3271.8	3285.7	3319.0	3367.6
27.5°	3632.9	3639.8	3541.2	3382.9	3313.5	3327.4	3341.2	3331.5	3346.8	3388.5
30°	3844.0	3848.1	3723.1	3513.4	3414.8	3421.8	3424.6	3384.3	3355.1	3388.5
32.5°	4093.9	4092.5	3943.9	3671.8	3530.1	3523.2	3499.6	3420.4	3352.3	3381.5
35°	4481.4	4466.1	4274.5	3893.9	3660.6	3617.6	3562.0	3460.7	3366.2	3374.6
37.5°	5123.0	5075.7	4810.5	4257.8	3855.1	3745.4	3663.4	3525.9	3396.8	3371.8
40°	5846.5	5786.8	5495.1	4756.3	4146.7	3970.3	3838.4	3619.0	3446.8	3384.3
42.5°	6704.7	6620.0	6306.1	5343.8	4516.1	4260.6	4062.0	3737.0	3520.4	3424.6
45°	7758.7	7646.2	7201.9	6006.2	4981.3	4641.1	4375.8	3916.2	3632.9	3502.3
47.5°	8823.9	8851.6	8219.8	6764.4	5539.6	5110.5	4768.8	4185.6	3796.7	3627.3
50°	9955.7	9975.1	9232.2	7604.6	6172.8	5640.9	5210.4	4486.9	4024.5	3805.1
52.5°	10838.9	10841.7	10151.5	8483.6	6832.5	6224.2	5686.8	4831.3	4288.3	4041.1
55°	11391.6	11384.7	10795.8	9315.5	7590.7	6836.6	6214.5	5222.9	4610.5	4318.9
57.5°	11792.9	11772.1	11240.2	10030.7	8398.9	7560.1	6811.6	5667.3	4991.0	4649.4
60°	11945.7	11933.2	11541.6	10648.6	9248.8	8360.0	7500.4	6164.5	5422.9	5039.6
62.5°	12004.0	12027.6	11837.4	11247.2	10158.4	9246.0	8257.3	6758.9	5909.0	5481.2
65°	12209.5	12252.6	12213.7	12030.4	11186.1	10283.4	9261.3	7465.7	6439.5	5954.8
67.5°	12616.4	12659.5	12676.2	12967.8	12441.5	11576.3	10513.9	8346.2	7060.2	6446.4
70°	12606.7	12594.2	12888.6	13713.5	14013.5	13366.3	12202.6	9429.3	7800.4	6854.7
72.5°	11474.9	11374.9	12070.7	13705.2	15321.6	15235.5	14264.8	10826.4	8439.2	6904.7
75°	8608.6	8342.0	9571.0	12351.2	15539.7	16296.5	15575.8	11692.9	8287.8	6100.6
77.5°	3681.5	3413.5	4861.9	9143.3	13907.9	15234.2	14373.2	10201.5	6615.8	4034.2
80°	963.8	962.4	1469.3	4145.3	9458.5	11249.9	9869.6	6588.0	3780.1	1441.5
82.5°	398.6	388.8	540.2	1612.3	4621.6	6313.1	5152.1	2938.5	1365.1	390.2
85°	148.6	147.2	262.5	556.9	1630.3	2603.8	1884.5	751.3	340.2	190.3
87.5°	41.7	40.3	56.9	193.0	397.2	602.7	322.2	123.6	95.8	75.0
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°
2994.1	0°	2994.1	2994.1	2994.1	2994.1	2994.1	2994.1	2994.1	2994.1	2994.1	2994.1
2999.6	2.5°	3003.8	3010.7	3023.2	3032.9	3045.4	3059.3	3078.8	3091.3	3103.8	3112.1
3006.6	5°	3016.3	3031.6	3063.5	3095.4	3132.9	3167.6	3207.9	3237.1	3260.7	3267.6
3031.6	7.5°	3044.1	3069.1	3123.2	3177.4	3237.1	3294.0	3352.3	3402.3	3442.6	3457.9
3076.0	10°	3092.7	3126.0	3202.4	3278.7	3357.9	3445.4	3520.4	3592.6	3649.5	3673.1
3128.8	12.5°	3153.8	3195.4	3295.4	3401.0	3510.7	3631.5	3728.7	3817.6	3888.4	3920.3
3202.4	15°	3232.9	3287.1	3414.8	3556.5	3717.6	3885.6	4009.2	4107.8	4187.0	4225.8
3278.7	17.5°	3319.0	3391.2	3552.3	3766.2	3996.7	4217.5	4361.9	4434.2	4516.1	4553.6
3349.6	20°	3402.3	3491.2	3721.7	4032.8	4339.7	4574.4	4691.1	4710.5	4716.1	4720.2
3416.2	22.5°	3488.4	3607.9	3934.2	4368.9	4698.0	4860.5	4877.2	4793.8	4677.2	4623.0
3481.5	25°	3582.9	3741.2	4212.0	4739.7	5006.3	5025.7	4898.0	4695.2	4474.4	4373.1
3534.3	27.5°	3674.5	3895.3	4545.3	5093.8	5228.5	5057.7	4782.7	4495.3	4228.6	4121.7
3571.8	30°	3766.2	4071.7	4913.3	5403.5	5329.9	4978.5	4600.8	4280.0	4012.0	3899.5
3605.1	32.5°	3859.2	4277.2	5336.8	5627.1	5311.8	4810.5	4374.4	4038.4	3802.3	3684.3
3634.3	35°	3964.8	4530.0	5738.2	5749.3	5191.0	4563.3	4075.9	3749.5	3544.0	3449.6
3669.0	37.5°	4102.3	4850.8	6092.3	5779.8	4979.9	4200.9	3705.1	3407.9	3238.5	3195.4
3720.4	40°	4273.1	5236.8	6363.1	5731.2	4667.5	3760.6	3299.6	3062.1	2966.3	2976.0
3789.8	42.5°	4495.3	5668.7	6553.3	5606.2	4232.8	3306.5	2944.1	2838.5	2884.4	2923.2
3893.9	45°	4784.1	6117.3	6671.4	5393.8	3741.2	2921.8	2734.4	2759.4	2794.1	2798.3
4062.0	47.5°	5153.5	6571.4	6749.1	5073.0	3239.9	2651.0	2601.1	2606.6	2599.7	2570.5
4313.3	50°	5614.6	7013.0	6818.6	4648.0	2813.5	2481.6	2415.0	2395.5	2299.7	2205.3
4648.0	52.5°	6139.5	7418.5	6847.7	4120.3	2481.6	2340.0	2231.7	2109.5	1930.3	1901.1
5068.8	55°	6722.8	7793.4	6772.7	3471.8	2202.5	2158.1	1994.2	1847.0	1827.5	1802.5
5622.9	57.5°	7419.9	8197.6	6620.0	2748.3	1916.4	1945.6	1785.9	1802.5	1767.8	1728.9
6335.3	60°	8182.3	8615.6	6352.0	2088.6	1620.6	1680.3	1731.7	1730.3	1720.6	1688.7
7086.6	62.5°	8868.3	8890.5	5824.3	1599.8	1360.9	1474.8	1615.1	1613.7	1605.3	1587.3
7871.2	65°	9276.6	8848.9	4943.8	1259.6	1147.1	1305.4	1456.8	1467.9	1469.3	1467.9
8461.4	67.5°	9204.4	8361.4	3735.6	1002.6	970.7	1133.2	1299.8	1315.1	1326.2	1329.0
8536.4	70°	8387.8	7290.7	2435.8	799.9	813.8	981.8	1151.2	1166.5	1176.2	1187.3
7407.4	72.5°	6538.1	5360.4	1394.3	647.1	676.3	851.3	1004.0	1022.1	1027.6	1048.5
5154.9	75°	3984.2	3152.4	752.7	509.7	555.5	727.7	858.2	879.1	888.8	913.8
2531.6	77.5°	1894.2	1365.1	429.1	397.2	447.2	594.4	724.9	748.5	722.1	736.0
698.5	80°	640.2	506.9	270.8	302.7	341.6	463.8	580.5	604.1	548.5	545.8
231.9	82.5°	223.6	205.5	172.2	201.4	220.8	331.9	438.8	469.4	408.3	406.9
104.2	85°	87.5	83.3	95.8	109.7	131.9	204.1	288.9	304.1	251.4	202.8
30.6	87.5°	18.1	19.4	23.6	25.0	40.3	70.8	104.2	127.8	101.4	86.1
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>
2994.1
3106.5
3270.4
3459.3
3674.5
3920.3
4223.1
4552.2
4731.3
4638.3
4388.3
4134.2
3912.0
3699.5
3470.4
3226.0
3009.3
2959.3
2826.0
2592.7
2217.8
1910.9
1806.7
1722.0
1677.6
1580.4
1467.9
1331.8
1192.9
1056.8
916.5
724.9
540.2
387.5
200.0
79.2
0.0

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