

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: P848378

Luminaire Tested: **GLAN-SB4D-930-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848378  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4D-930-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 27533 lumens  
Efficiency: N/A  
Efficacy: 93.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3

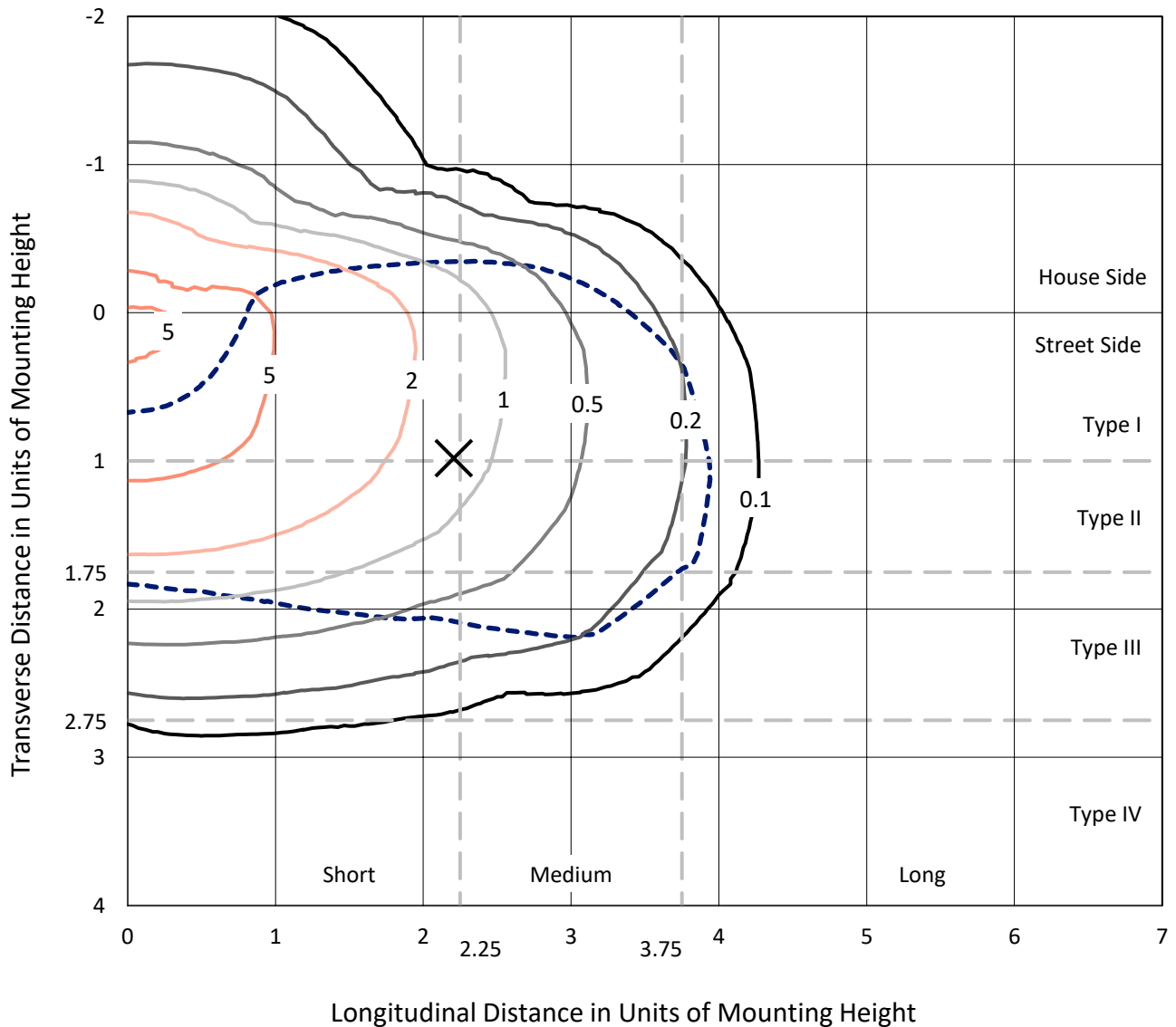
Input Watts (W): 293.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

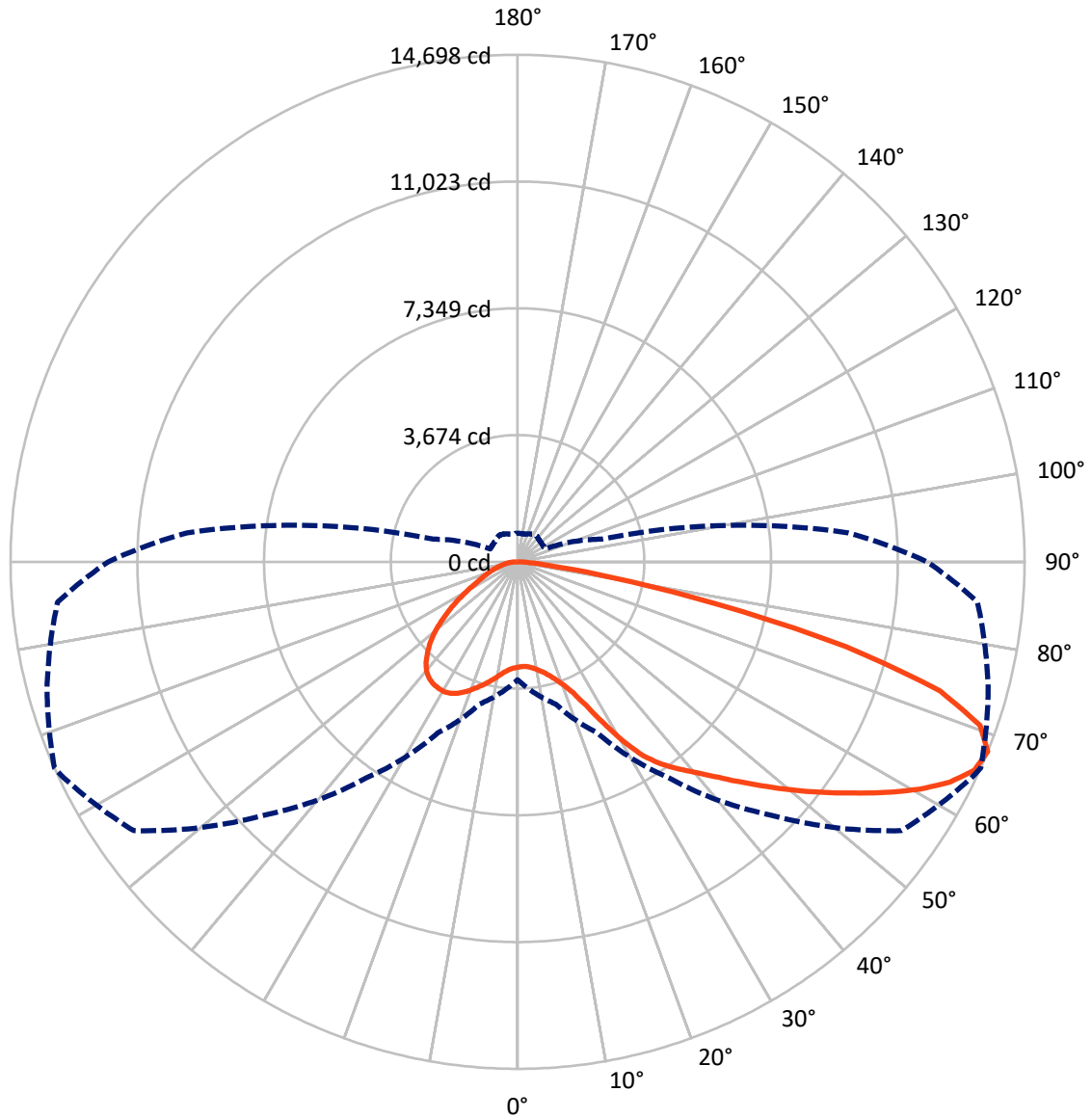
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6846.0	0.0	6846.0
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	20687.0	0.0	20687.0
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	27533.0	0.0	27533.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	302.8	1.1
10°-20°	1000.3	3.6
20°-30°	1928.0	7.0
30°-40°	3380.6	12.3
40°-50°	5025.8	18.3
50°-60°	6370.7	23.1
60°-70°	6233.6	22.6
70°-80°	2973.5	10.8
80°-90°	317.8	1.2
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°	27533.0	100.0
0°-180°	27533.0	100.0

**Coefficient of Utilization**



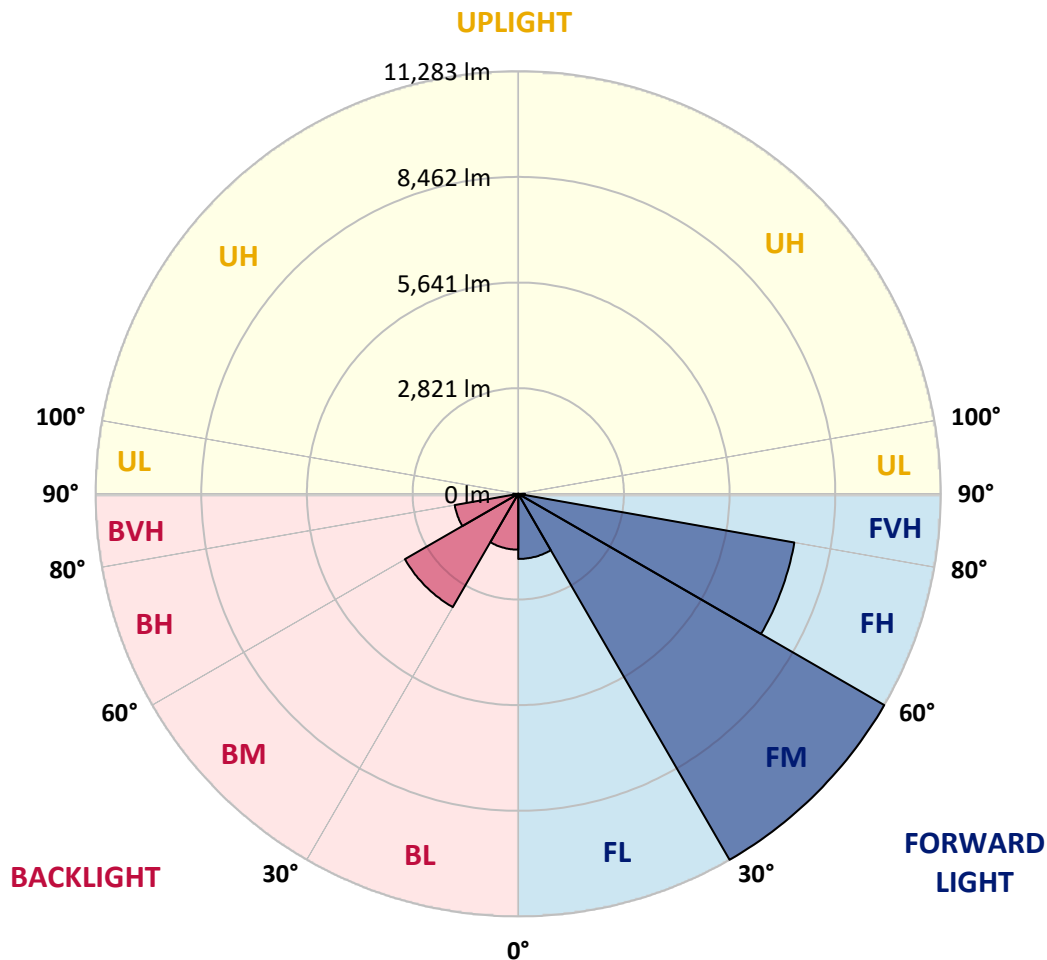
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1739.8	6.3			
FM (30°-60°)	11282.8	41.0			
FH (60°-80°)	7484.2	27.2			G3/7500
FVH (80°-90°)	180.2	0.7			G2/225
BL (0°-30°)	1491.3	5.4	B3/2500		
BM (30°-60°)	3494.3	12.7	B3/5000		
BH (60°-80°)	1722.8	6.3	B3/2500		G3/2500
BVH (80°-90°)	137.6	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	3053.8	3053.8	3053.8	3053.8	3053.8	3053.8	3053.8	3053.8	3053.8	3053.8
2.5°	3021.9	3039.3	3035.0	3027.7	3026.3	3029.2	3033.5	3037.9	3036.4	3043.6
5°	3013.3	3030.6	3029.2	3029.2	3035.0	3046.5	3053.8	3061.0	3053.8	3062.5
7.5°	3019.1	3032.1	3037.9	3043.6	3058.1	3079.8	3097.2	3113.1	3104.4	3114.5
10°	3092.8	3103.0	3108.7	3108.7	3118.9	3143.5	3160.8	3189.8	3182.5	3198.4
12.5°	3227.4	3237.5	3237.5	3231.7	3238.9	3254.9	3260.6	3292.5	3279.4	3305.5
15°	3392.3	3412.5	3396.6	3386.5	3389.4	3405.3	3403.9	3428.4	3415.4	3437.1
17.5°	3574.5	3600.6	3574.5	3573.1	3567.3	3584.7	3586.1	3607.8	3584.7	3600.6
20°	3790.1	3826.3	3804.6	3811.8	3798.8	3806.0	3813.2	3845.1	3808.9	3820.5
22.5°	4093.9	4137.3	4114.1	4141.6	4132.9	4127.2	4125.7	4182.1	4125.7	4130.0
25°	4536.5	4588.6	4548.1	4585.7	4585.7	4604.5	4626.2	4698.6	4604.5	4577.0
27.5°	5190.4	5242.5	5162.9	5186.1	5178.8	5225.1	5202.0	5381.4	5280.1	5235.2
30°	5977.4	6069.9	5919.5	5913.7	5906.5	5980.2	6013.5	6132.1	6029.4	5984.6
32.5°	6828.0	6924.9	6745.5	6693.4	6665.9	6710.8	6683.3	6778.8	6707.9	6638.4
35°	7727.7	7823.2	7652.5	7551.3	7441.3	7347.3	7248.9	7273.5	7207.0	7101.4
37.5°	8578.3	8753.4	8572.6	8464.1	8261.5	8077.8	7803.0	7688.7	7626.5	7529.6
40°	9444.9	9544.7	9407.2	9314.7	9094.8	8806.9	8367.1	8125.6	8041.7	7947.6
42.5°	10082.8	10178.3	10104.5	10040.9	9868.7	9534.5	8966.0	8663.7	8542.2	8436.6
45°	10589.1	10660.0	10613.7	10636.9	10563.1	10239.0	9586.6	9240.9	9115.0	8986.3
47.5°	10793.1	10868.3	10942.1	11079.5	11205.4	10966.7	10253.5	9865.8	9732.7	9601.1
50°	10769.9	10846.6	11060.7	11352.9	11743.5	11663.9	10956.6	10531.3	10408.3	10257.8
52.5°	10584.8	10671.6	10946.4	11432.5	12054.5	12186.2	11672.6	11218.4	11102.7	10923.3
55°	10098.7	10150.8	10563.1	11251.7	12128.3	12550.7	12374.2	11950.4	11834.6	11584.4
57.5°	9197.5	9272.7	9873.0	10764.2	11943.1	12798.1	12990.5	12720.0	12608.6	12248.4
60°	8021.4	8141.5	8828.6	9945.4	11471.5	12796.6	13550.3	13476.5	13383.9	12902.2
62.5°	6690.5	6829.4	7490.5	8788.1	10647.0	12433.5	13900.4	14110.1	14062.4	13505.5
65°	5138.3	5233.8	5892.0	7290.9	9363.8	11653.8	13940.9	14542.7	14551.4	13964.0
67.5°	3421.2	3696.1	4267.5	5471.0	7645.3	10379.4	13585.0	14613.6	14697.5	14121.7
70°	1669.4	2031.0	2590.9	3555.7	5471.0	8425.0	12654.9	14032.0	14218.6	13661.7
72.5°	692.9	810.1	1115.3	1754.7	3140.6	5685.1	10785.9	12455.2	12801.0	12105.2
75°	467.3	506.3	638.0	899.8	1430.7	2803.5	7778.4	9287.2	9844.1	9142.5
77.5°	360.2	384.8	464.4	629.3	850.6	1060.4	4163.3	5596.9	5884.8	5447.9
80°	283.5	302.3	347.2	458.6	603.2	567.1	1419.1	2535.9	2702.2	2266.8
82.5°	245.9	253.2	248.8	311.0	400.7	331.3	465.8	936.0	1032.9	749.3
85°	177.9	198.2	206.9	192.4	212.7	167.8	191.0	331.3	364.5	325.5
87.5°	72.3	107.0	131.6	124.4	78.1	47.7	59.3	96.9	111.4	121.5
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°
3053.8	0°	3053.8	3053.8	3053.8	3053.8	3053.8	3053.8	3053.8	3053.8	3053.8	3053.8
3055.2	2.5°	3056.7	3066.8	3074.0	3082.7	3088.5	3097.2	3114.5	3124.7	3126.1	3133.3
3078.4	5°	3084.2	3098.6	3114.5	3137.7	3163.7	3185.4	3218.7	3241.8	3250.5	3257.7
3134.8	7.5°	3143.5	3163.7	3192.6	3233.2	3270.8	3299.7	3340.2	3367.7	3395.2	3405.3
3224.5	10°	3231.7	3260.6	3302.6	3357.6	3398.1	3435.7	3477.6	3500.8	3528.3	3539.8
3331.5	12.5°	3341.6	3372.0	3427.0	3503.7	3541.3	3567.3	3581.8	3576.0	3581.8	3591.9
3460.3	15°	3467.5	3500.8	3563.0	3645.4	3671.5	3648.3	3616.5	3587.6	3583.2	3586.1
3616.5	17.5°	3616.5	3641.1	3713.4	3782.9	3764.1	3668.6	3599.1	3552.9	3529.7	3522.5
3816.1	20°	3824.8	3824.8	3884.1	3927.5	3801.7	3639.6	3531.2	3455.9	3408.2	3387.9
4088.1	22.5°	4078.0	4054.8	4092.4	4062.1	3794.4	3558.6	3408.2	3278.0	3205.7	3176.7
4468.5	25°	4399.1	4371.6	4361.5	4173.4	3742.4	3429.9	3185.4	3027.7	2964.1	2948.2
5016.8	27.5°	4883.7	4814.3	4682.6	4234.2	3646.9	3227.4	2925.0	2778.9	2742.8	2744.2
5721.3	30°	5528.9	5390.0	5067.4	4244.3	3490.6	2940.9	2658.9	2554.7	2537.3	2544.6
6313.0	32.5°	6126.4	5994.7	5460.9	4198.0	3250.5	2660.3	2420.2	2350.7	2324.7	2333.4
6764.3	35°	6595.1	6558.9	5825.5	4132.9	2955.4	2397.0	2206.1	2146.8	2096.1	2084.6
7189.6	37.5°	7037.7	7023.2	6098.9	4041.8	2663.2	2210.4	2033.9	1955.8	1882.0	1841.5
7659.7	40°	7523.8	7509.3	6278.2	3901.5	2404.2	2048.4	1879.1	1776.4	1685.3	1611.5
8192.1	42.5°	8070.6	7985.2	6363.6	3700.4	2184.4	1911.0	1753.3	1614.4	1494.3	1426.3
8793.9	45°	8668.0	8475.6	6362.1	3444.4	1999.2	1785.1	1618.7	1422.0	1310.6	1247.0
9411.6	47.5°	9301.6	8944.3	6284.0	3160.8	1819.8	1646.2	1410.4	1260.0	1186.2	1147.2
10082.8	50°	9955.5	9382.7	6150.9	2835.3	1636.1	1488.6	1280.2	1177.5	1121.1	1085.0
10748.2	52.5°	10570.3	9780.5	5990.4	2466.5	1449.5	1335.2	1222.4	1142.8	1083.5	1043.0
11393.4	55°	11141.7	10123.3	5763.3	2088.9	1297.6	1232.5	1194.9	1128.3	1060.4	1012.6
12048.7	57.5°	11649.5	10346.1	5371.2	1734.5	1189.1	1161.6	1166.0	1103.8	1025.6	985.1
12693.9	60°	12071.9	10509.6	4791.1	1406.1	1100.9	1092.2	1121.1	1057.5	966.3	920.0
13239.3	62.5°	12325.0	10506.7	4079.4	1151.5	1025.6	1028.5	1061.8	999.6	907.0	863.6
13524.3	65°	12303.3	10249.2	3298.2	985.1	953.3	956.2	999.6	936.0	857.8	831.8
13381.1	67.5°	11867.9	9621.3	2530.1	876.6	873.7	886.8	937.4	892.6	827.5	824.6
12527.6	70°	10688.9	8318.0	1822.7	789.8	791.3	810.1	876.6	865.1	811.5	817.3
10532.7	72.5°	8571.1	6341.9	1223.8	698.7	700.2	730.5	818.8	843.4	795.6	872.3
7473.1	75°	5708.3	3955.0	787.0	601.8	603.2	642.3	768.1	801.4	752.2	869.4
3888.5	77.5°	2742.8	1777.9	570.0	506.3	506.3	542.5	664.0	717.5	640.8	675.6
1249.9	80°	947.5	668.3	448.4	407.9	399.3	423.9	559.8	622.0	552.6	509.2
407.9	82.5°	373.2	347.2	360.2	316.8	287.9	303.8	435.4	513.5	406.5	367.4
230.0	85°	214.1	225.7	254.6	209.8	166.4	186.6	319.7	368.9	306.7	270.5
75.2	87.5°	57.9	79.6	117.2	108.5	75.2	79.6	151.9	204.0	176.5	136.0
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



180°
3053.8
3131.9
3256.3
3406.7
3545.6
3594.8
3596.2
3532.6
3383.6
3172.4
2951.1
2748.5
2569.2
2344.9
2093.2
1843.0
1618.7
1430.7
1244.1
1138.5
1071.9
1025.6
993.8
959.1
899.8
850.6
830.3
828.9
815.9
883.9
876.6
619.1
477.4
366.0
276.3
140.3
0.0

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