

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: P851748

Luminaire Tested: **GLAN-SB9D-840-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851748  
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-SB9D-840-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 82483 lumens  
Efficiency: N/A  
Efficacy: 125.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B5 - U0 - G5

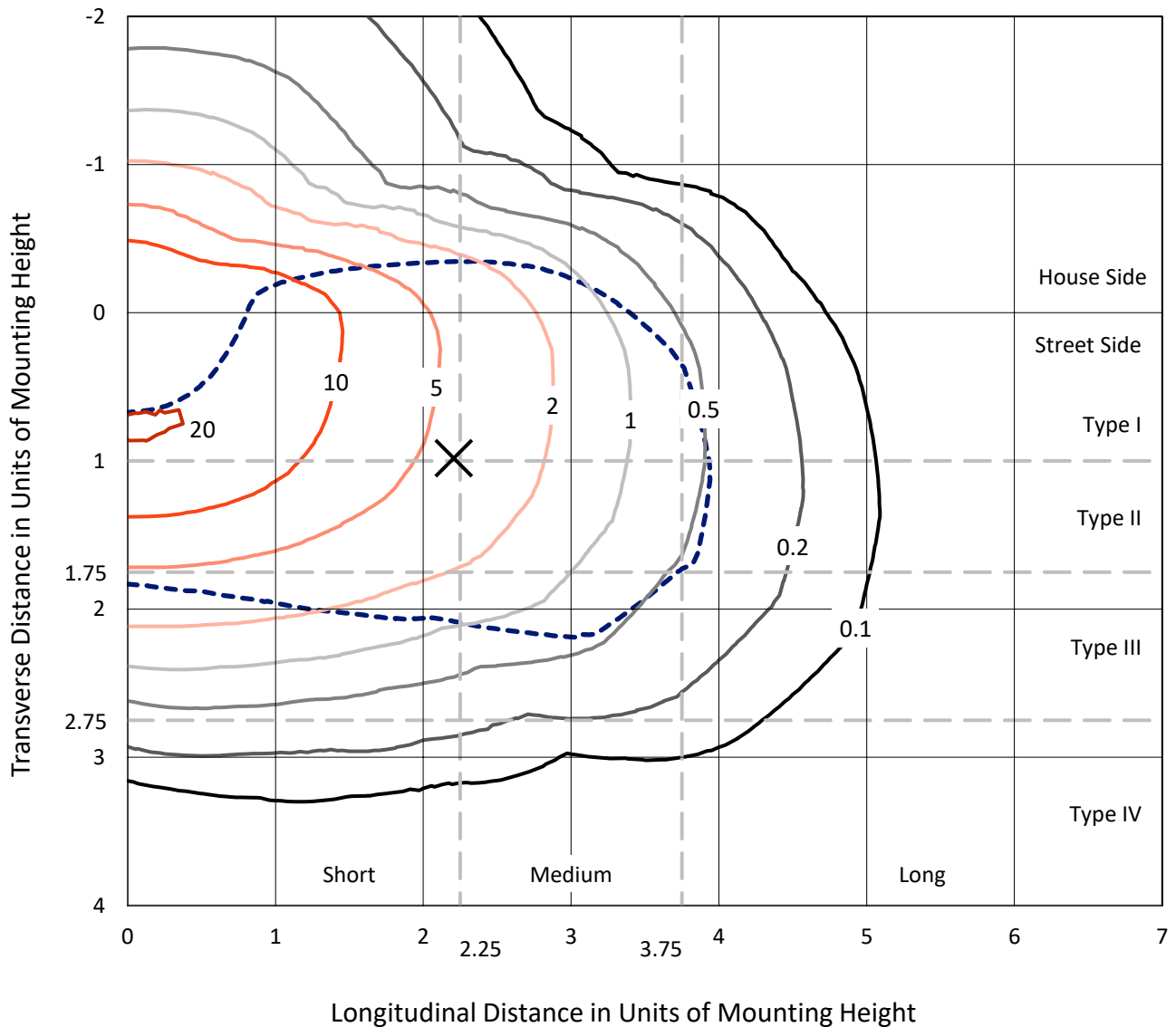
Input Watts (W): 658  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

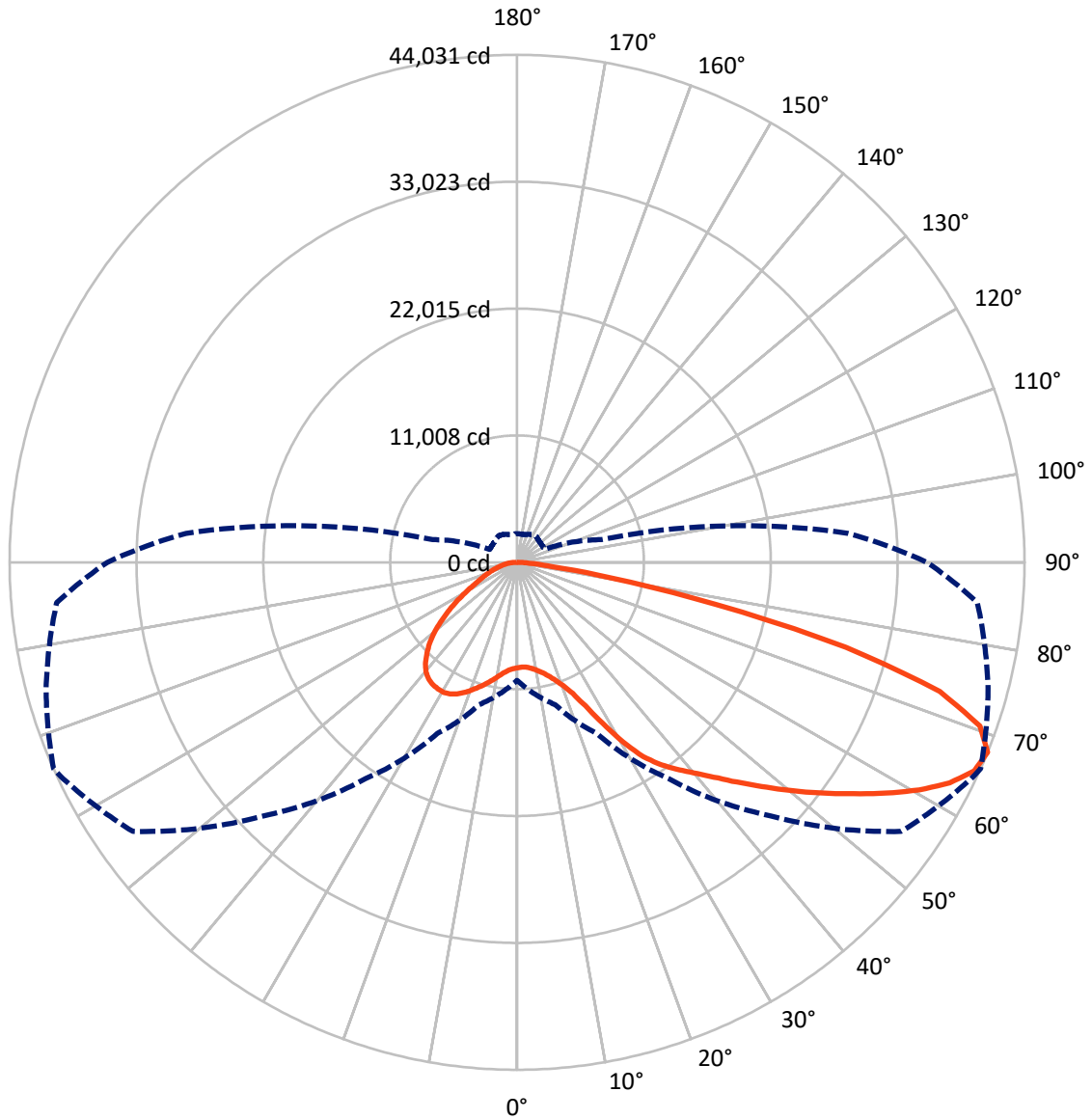
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.7 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	20509.2	0.0	20509.2
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	61973.8	0.0	61973.8
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	82483.0	0.0	82483.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	907.0	1.1
10°-20°	2996.7	3.6
20°-30°	5776.0	7.0
30°-40°	10127.5	12.3
40°-50°	15056.2	18.3
50°-60°	19085.2	23.1
60°-70°	18674.4	22.6
70°-80°	8907.9	10.8
80°-90°	952.0	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°	82483.0	100.0
0°-180°	82483.0	100.0

**Coefficient of Utilization**

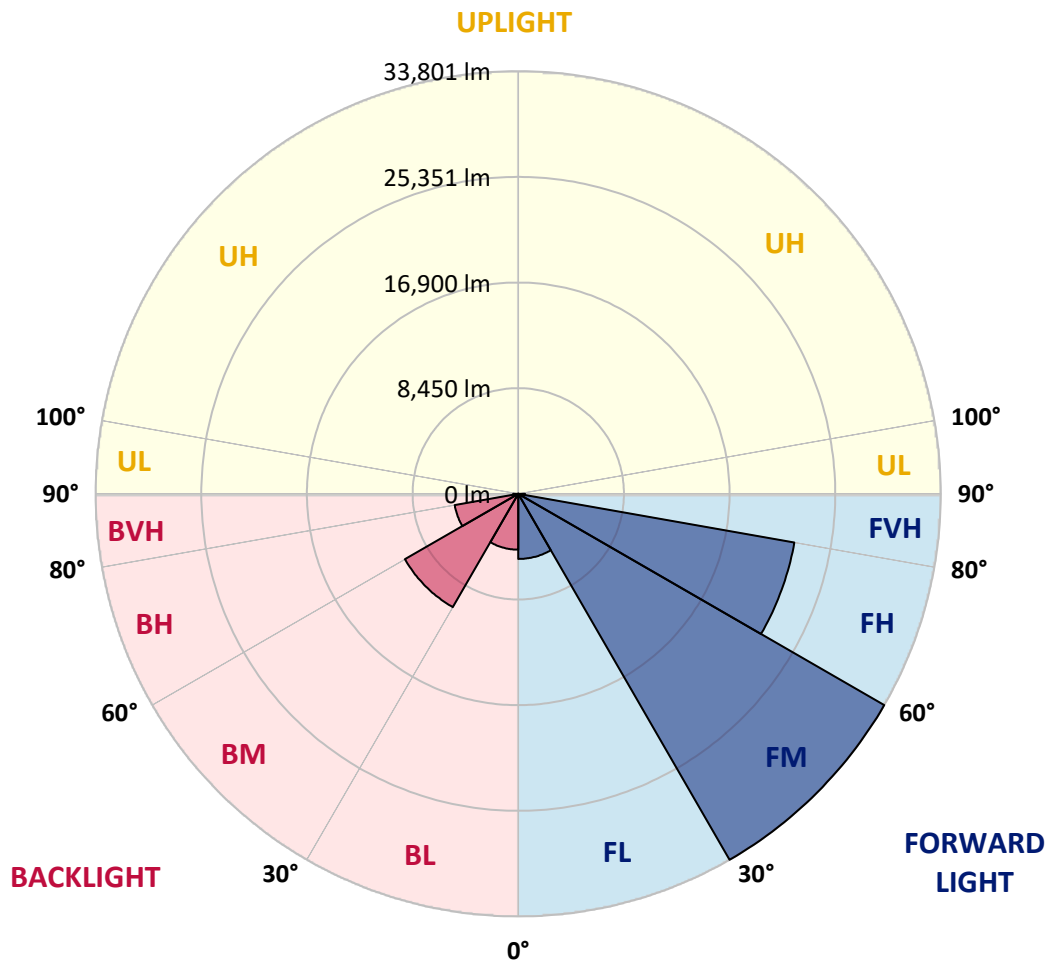


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5212.1	6.3			
FM (30°-60°)	33800.8	41.0			
FH (60°-80°)	22421.1	27.2			G5
FVH (80°-90°)	539.8	0.7			G4/750
BL (0°-30°)	4467.6	5.4	B4/5000		
BM (30°-60°)	10468.1	12.7	B5		
BH (60°-80°)	5161.2	6.3	B5		G5
BVH (80°-90°)	412.3	0.5			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**  
 Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	9148.5	9148.5	9148.5	9148.5	9148.5	9148.5	9148.5	9148.5	9148.5	9148.5
2.5°	9053.1	9105.1	9092.1	9070.4	9066.1	9074.8	9087.8	9100.8	9096.5	9118.1
5°	9027.1	9079.1	9074.8	9074.8	9092.1	9126.8	9148.5	9170.1	9148.5	9174.5
7.5°	9044.4	9083.4	9100.8	9118.1	9161.5	9226.5	9278.5	9326.1	9300.1	9330.5
10°	9265.5	9295.8	9313.1	9313.1	9343.5	9417.1	9469.1	9555.8	9534.2	9581.8
12.5°	9668.5	9698.8	9698.8	9681.5	9703.2	9750.8	9768.2	9863.5	9824.5	9902.5
15°	10162.5	10223.2	10175.5	10145.2	10153.9	10201.5	10197.2	10270.9	10231.9	10296.9
17.5°	10708.6	10786.6	10708.6	10704.3	10686.9	10738.9	10743.3	10808.3	10738.9	10786.6
20°	11354.3	11462.7	11397.6	11419.3	11380.3	11402.0	11423.7	11519.0	11410.6	11445.3
22.5°	12264.4	12394.4	12325.1	12407.4	12381.4	12364.1	12359.7	12528.7	12359.7	12372.7
25°	13590.5	13746.5	13625.2	13737.9	13737.9	13794.2	13859.2	14075.9	13794.2	13711.8
27.5°	15549.3	15705.4	15467.0	15536.3	15514.7	15653.3	15584.0	16121.4	15818.0	15683.7
30°	17906.9	18184.2	17733.5	17716.2	17694.5	17915.5	18015.2	18370.6	18062.9	17928.5
32.5°	20455.1	20745.5	20208.1	20052.1	19969.7	20104.1	20021.7	20307.7	20095.4	19887.4
35°	23150.7	23436.7	22925.3	22621.9	22292.6	22010.9	21716.2	21789.9	21590.5	21274.2
37.5°	25698.9	26223.3	25681.5	25356.5	24749.8	24199.4	23376.0	23033.7	22847.3	22556.9
40°	28294.8	28593.8	28182.1	27904.7	27246.0	26383.6	25066.2	24342.4	24091.1	23809.4
42.5°	30205.9	30492.0	30270.9	30080.3	29564.5	28563.5	26860.3	25954.6	25590.5	25274.2
45°	31722.7	31935.1	31796.4	31865.7	31644.7	30674.0	28719.5	27683.7	27306.7	26921.0
47.5°	32333.8	32559.1	32780.2	33191.9	33568.9	32853.8	30717.3	29555.9	29157.2	28762.8
50°	32264.4	32494.1	33135.5	34010.9	35181.0	34942.7	32823.5	31549.4	31181.0	30730.3
52.5°	31709.7	31969.8	32793.2	34249.3	36112.8	36507.1	34968.7	33607.9	33261.2	32723.8
55°	30253.6	30409.6	31644.7	33707.6	36333.8	37599.2	37070.5	35800.8	35454.1	34704.3
57.5°	27553.7	27779.1	29577.5	32247.1	35779.1	38340.3	38916.7	38106.3	37772.6	36693.5
60°	24030.4	24390.1	26448.6	29794.2	34366.3	38336.0	40593.8	40372.8	40095.5	38652.3
62.5°	20043.4	20459.4	22439.9	26327.3	31896.1	37248.2	41642.6	42271.0	42128.0	40459.5
65°	15393.3	15679.4	17651.2	21841.9	28052.1	34912.3	41763.9	43566.8	43592.8	41833.3
67.5°	10249.2	11072.6	12784.4	16390.1	22903.6	31094.3	40697.8	43779.1	44030.5	42305.6
70°	5001.1	6084.5	7761.7	10652.3	16390.1	25239.5	37911.3	42037.0	42596.0	40927.5
72.5°	2075.8	2426.9	3341.3	5256.8	9408.5	17031.5	32312.1	37313.2	38349.0	36264.5
75°	1399.8	1516.8	1911.2	2695.6	4286.0	8398.7	23302.3	27822.4	29490.9	27389.0
77.5°	1079.1	1152.8	1391.1	1885.2	2548.2	3176.6	12472.4	16767.1	17629.5	16320.7
80°	849.4	905.7	1040.1	1373.8	1807.2	1698.8	4251.4	7597.0	8095.4	6790.9
82.5°	736.7	758.4	745.4	931.7	1200.4	992.4	1395.5	2803.9	3094.3	2244.9
85°	533.0	593.7	619.7	576.4	637.1	502.7	572.0	992.4	1092.1	975.1
87.5°	216.7	320.7	394.4	372.7	234.0	143.0	177.7	290.4	333.7	364.0
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°
9148.5	0°	9148.5	9148.5	9148.5	9148.5	9148.5	9148.5	9148.5	9148.5	9148.5	9148.5
9152.8	2.5°	9157.1	9187.5	9209.1	9235.1	9252.5	9278.5	9330.5	9360.8	9365.1	9386.8
9222.1	5°	9239.5	9282.8	9330.5	9399.8	9477.8	9542.8	9642.5	9711.8	9737.8	9759.5
9391.1	7.5°	9417.1	9477.8	9564.5	9685.8	9798.5	9885.2	10006.5	10088.9	10171.2	10201.5
9659.8	10°	9681.5	9768.2	9893.9	10058.5	10179.9	10292.6	10418.2	10487.6	10569.9	10604.6
9980.5	12.5°	10010.9	10101.9	10266.6	10496.2	10608.9	10686.9	10730.3	10712.9	10730.3	10760.6
10366.2	15°	10387.9	10487.6	10673.9	10920.9	10998.9	10929.6	10834.3	10747.6	10734.6	10743.3
10834.3	17.5°	10834.3	10907.9	11124.6	11332.6	11276.3	10990.3	10782.3	10643.6	10574.2	10552.6
11432.3	20°	11458.3	11458.3	11636.0	11766.0	11389.0	10903.6	10578.6	10353.2	10210.2	10149.5
12247.1	22.5°	12216.7	12147.4	12260.1	12169.0	11367.3	10660.9	10210.2	9820.2	9603.5	9516.8
13386.8	25°	13178.8	13096.5	13066.1	12502.7	11211.3	10275.2	9542.8	9070.4	8879.8	8832.1
15029.3	27.5°	14630.6	14422.6	14028.2	12684.8	10925.3	9668.5	8762.8	8325.1	8216.7	8221.0
17139.8	30°	16563.4	16147.4	15181.0	12715.1	10457.2	8810.4	7965.4	7653.3	7601.3	7623.0
18912.3	32.5°	18353.2	17958.9	16359.7	12576.4	9737.8	7969.7	7250.3	7042.3	6964.3	6990.3
20264.4	35°	19757.4	19649.0	17451.8	12381.4	8853.8	7181.0	6608.9	6431.2	6279.5	6244.9
21538.5	37.5°	21083.5	21040.1	18270.9	12108.4	7978.4	6621.9	6093.2	5859.2	5638.2	5516.8
22947.0	40°	22539.6	22496.3	18808.3	11688.0	7202.6	6136.5	5629.5	5321.8	5048.8	4827.7
24541.8	42.5°	24177.7	23922.1	19064.0	11085.6	6543.9	5724.8	5252.5	4836.4	4476.7	4273.0
26344.6	45°	25967.6	25391.2	19059.6	10318.6	5989.2	5347.8	4849.4	4260.0	3926.3	3735.7
28195.1	47.5°	27865.7	26795.3	18825.6	9469.1	5451.8	4931.8	4225.4	3774.7	3553.6	3436.6
30205.9	50°	29824.6	28108.4	18426.9	8494.1	4901.4	4459.4	3835.3	3527.6	3358.6	3250.3
32199.4	52.5°	31666.4	29300.2	17945.9	7389.0	4342.4	4000.0	3662.0	3423.6	3245.9	3124.6
34132.3	55°	33378.2	30327.3	17265.5	6257.9	3887.3	3692.3	3579.6	3380.3	3176.6	3033.6
36095.4	57.5°	34899.3	30994.7	16091.1	5196.1	3562.3	3480.0	3493.0	3306.6	3072.6	2951.3
38028.3	60°	36164.8	31484.4	14353.2	4212.4	3298.0	3271.9	3358.6	3167.9	2894.9	2756.2
39662.1	62.5°	36923.2	31475.7	12221.1	3449.6	3072.6	3081.3	3180.9	2994.6	2717.2	2587.2
40515.8	65°	36858.2	30704.3	9880.9	2951.3	2855.9	2864.6	2994.6	2803.9	2569.9	2491.9
40086.8	67.5°	35553.7	28823.5	7579.7	2626.2	2617.6	2656.6	2808.2	2673.9	2478.9	2470.2
37529.9	70°	32021.8	24918.8	5460.5	2366.2	2370.5	2426.9	2626.2	2591.6	2431.2	2448.5
31553.7	72.5°	25677.2	18999.0	3666.3	2093.2	2097.5	2188.5	2452.9	2526.6	2383.5	2613.2
22387.9	75°	17100.8	11848.4	2357.5	1802.8	1807.2	1924.2	2301.2	2400.9	2253.5	2604.6
11649.0	77.5°	8216.7	5326.1	1707.5	1516.8	1516.8	1625.1	1989.2	2149.5	1919.8	2023.8
3744.3	80°	2838.6	2002.2	1343.4	1222.1	1196.1	1269.8	1677.1	1863.5	1655.5	1525.5
1222.1	82.5°	1118.1	1040.1	1079.1	949.1	862.4	910.1	1304.4	1538.5	1217.8	1100.8
689.1	85°	641.4	676.1	762.7	628.4	498.4	559.0	957.7	1105.1	918.7	810.4
225.4	87.5°	173.3	238.4	351.0	325.0	225.4	238.4	455.0	611.1	528.7	407.4
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°
9148.5
9382.5
9755.2
10205.9
10621.9
10769.3
10773.6
10582.9
10136.5
9503.8
8840.8
8234.0
7696.7
7024.9
6270.9
5521.1
4849.4
4286.0
3727.0
3410.6
3211.3
3072.6
2977.3
2873.2
2695.6
2548.2
2487.5
2483.2
2444.2
2647.9
2626.2
1854.8
1430.1
1096.4
827.7
420.4
0.0

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