

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: P849546

Luminaire Tested: **GLAN-SB6C-850-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849546
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6C-850-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38638 lumens
Efficiency: N/A
Efficacy: 128.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

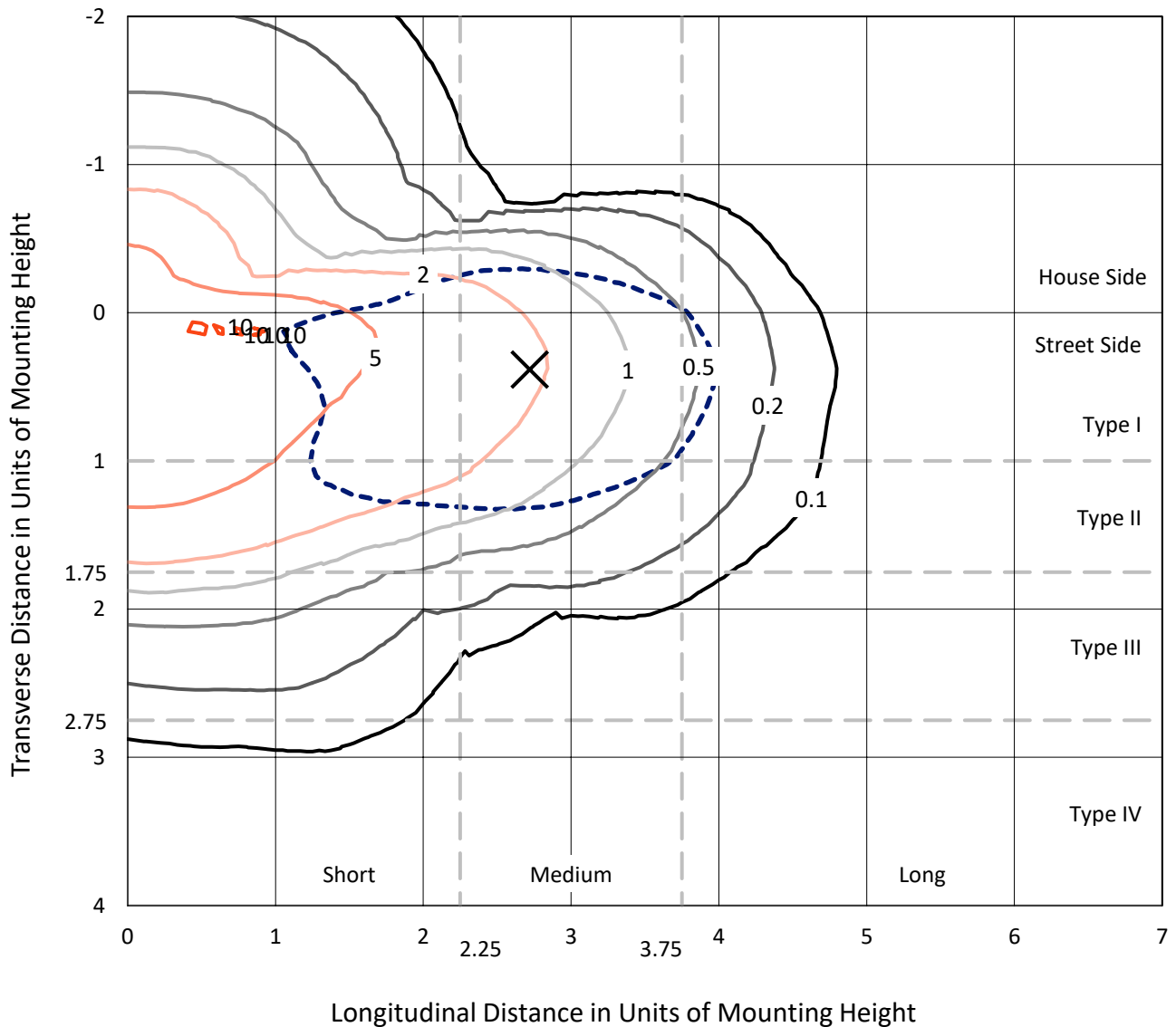
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

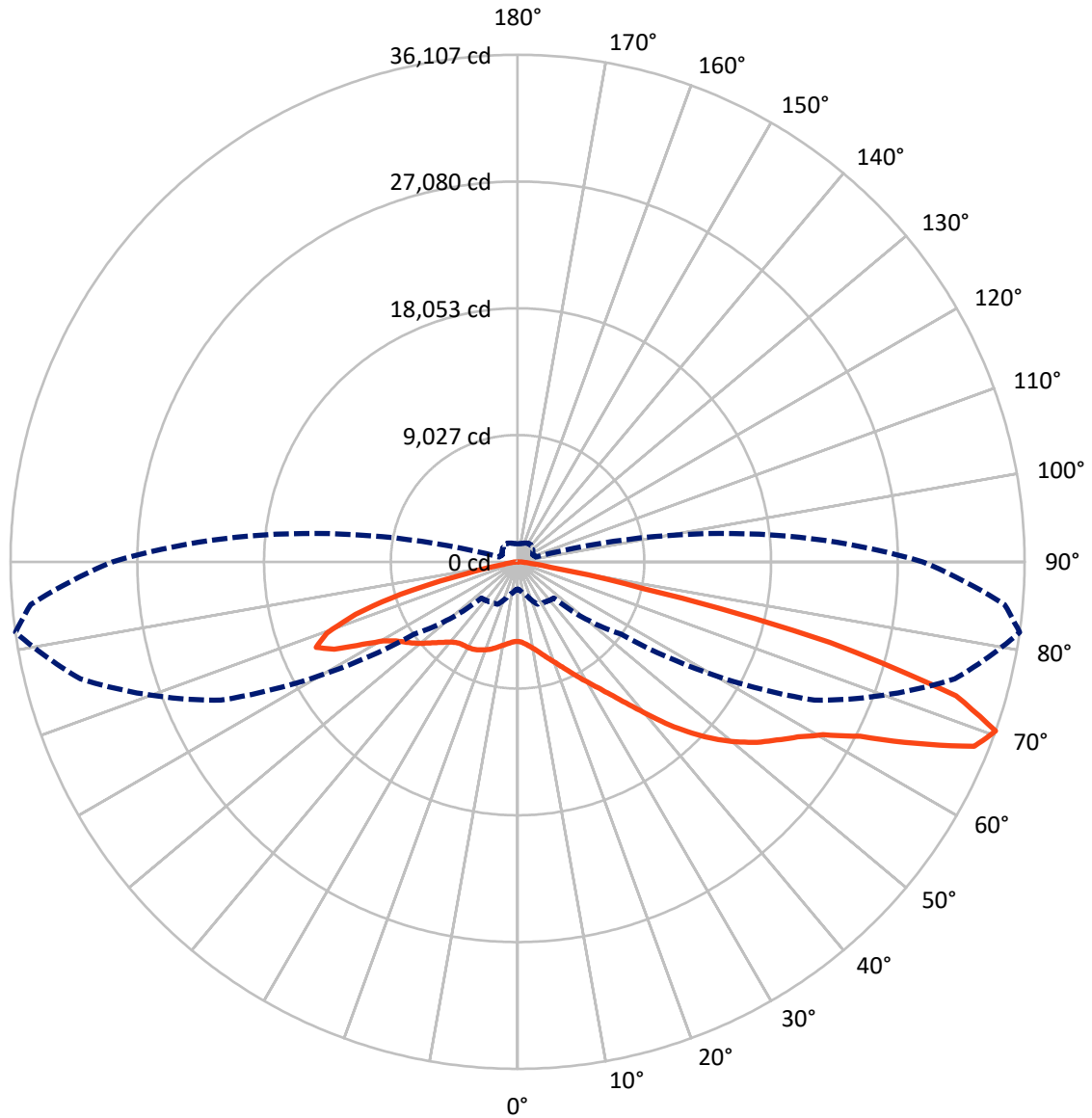
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9525.2	0.0	9525.2
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	29112.8	0.0	29112.8
	% Fixture	75.3	0.0	75.3
Total	Lumens	38638.0	0.0	38638.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	534.9	1.4
10°-20°	1536.7	4.0
20°-30°	2570.7	6.7
30°-40°	4016.1	10.4
40°-50°	6396.1	16.6
50°-60°	8901.0	23.0
60°-70°	9310.8	24.1
70°-80°	4866.4	12.6
80°-90°	505.3	1.3
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°	38638.0	100.0
0°-180°	38638.0	100.0

Coefficient of Utilization



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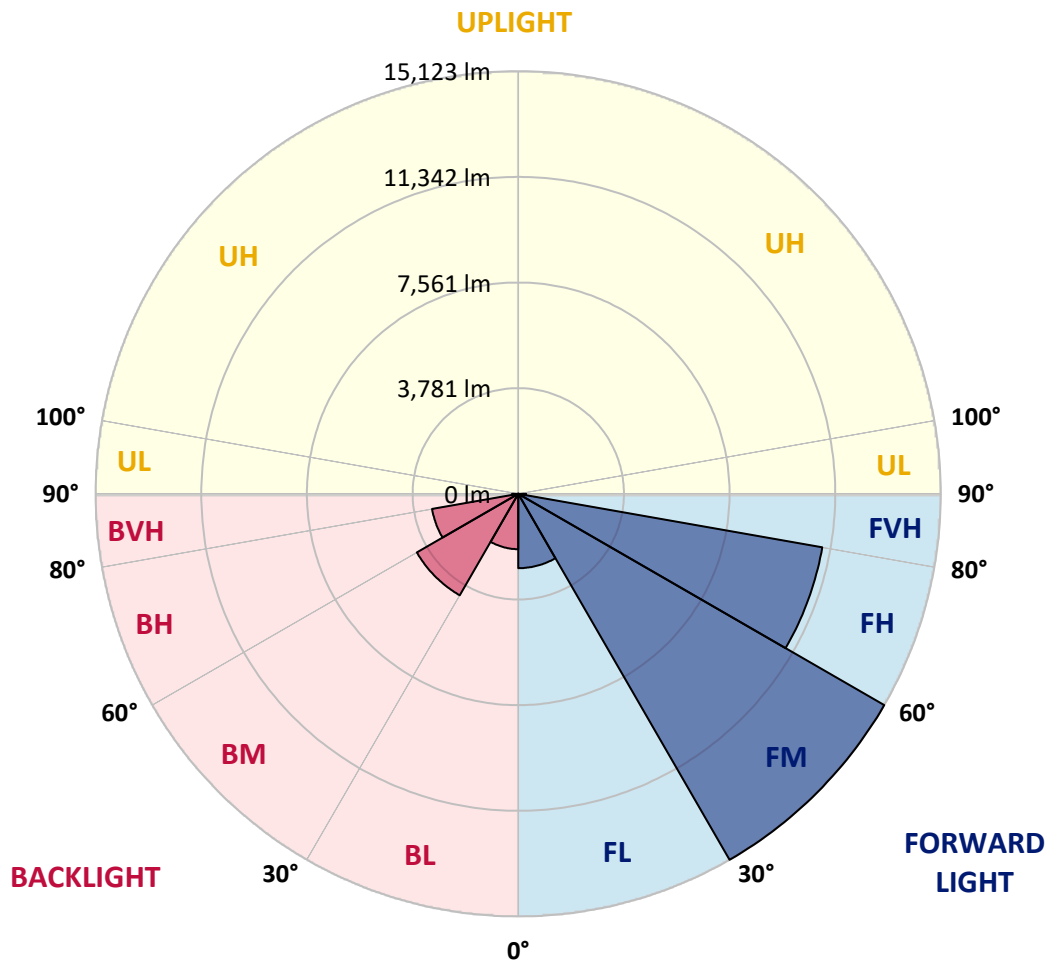
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2660.7	6.9			
FM (30°-60°)	15122.5	39.1			
FH (60°-80°)	11046.7	28.6			G4/12000
FVH (80°-90°)	282.9	0.7			G3/500
BL (0°-30°)	1981.6	5.1	B3/2500		
BM (30°-60°)	4190.7	10.8	B3/5000		
BH (60°-80°)	3130.5	8.1	B4/5000		G4/5000
BVH (80°-90°)	222.4	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	5664.8	5664.8	5664.8	5664.8	5664.8	5664.8	5664.8	5664.8	5664.8	5664.8
2.5°	5800.1	5832.9	5822.7	5812.4	5812.4	5798.1	5796.0	5775.5	5759.1	5732.5
5°	5873.9	5908.8	5904.7	5912.9	5939.5	5945.7	5951.8	5939.5	5906.7	5873.9
7.5°	5808.3	5847.3	5859.6	5908.8	5990.8	6064.6	6120.0	6142.5	6111.8	6064.6
10°	5586.9	5630.0	5673.0	5789.9	5935.4	6109.7	6257.3	6345.5	6339.3	6294.2
12.5°	5137.9	5183.0	5275.3	5502.8	5769.4	6076.9	6351.6	6536.2	6599.7	6566.9
15°	4779.1	4818.1	4887.8	5121.5	5468.0	5935.4	6386.5	6745.3	6907.3	6888.8
17.5°	4768.9	4785.3	4828.3	4939.0	5205.6	5714.0	6349.6	6950.3	7259.9	7257.9
20°	4949.3	4955.4	4980.0	5002.6	5154.3	5545.9	6255.3	7120.5	7655.6	7655.6
22.5°	5199.4	5195.3	5219.9	5199.4	5273.2	5531.5	6195.8	7270.2	8096.4	8129.2
25°	5574.6	5554.1	5548.0	5500.8	5515.1	5664.8	6261.4	7440.3	8619.2	8686.9
27.5°	6074.9	6042.1	6019.5	5910.8	5873.9	5939.5	6462.4	7645.3	9201.5	9318.3
30°	6726.8	6667.4	6634.6	6446.0	6312.7	6322.9	6765.8	7918.0	9810.4	9999.0
32.5°	7616.6	7524.4	7436.2	7126.6	6882.7	6802.7	7157.4	8295.3	10470.6	10772.0
35°	8613.1	8539.3	8444.9	7967.2	7592.0	7407.5	7686.4	8822.2	11243.5	11721.2
37.5°	9572.6	9509.0	9554.1	8910.3	8426.5	8157.9	8379.3	9529.5	12196.9	12902.2
40°	10564.9	10515.7	10521.8	9906.8	9342.9	9041.6	9219.9	10417.3	13289.7	14306.6
42.5°	11643.3	11606.4	11483.4	10938.0	10304.5	10023.6	10187.6	11442.4	14462.4	15905.8
45°	12850.9	12828.4	12713.5	12088.2	11362.4	11046.7	11268.1	12574.1	15641.3	17410.6
47.5°	13894.5	13912.9	13898.6	13371.7	12619.2	12155.9	12420.4	13755.1	16738.2	18825.3
50°	14396.8	14493.1	14634.6	14470.6	14003.1	13531.6	13582.8	14895.0	17783.8	20151.8
52.5°	14134.4	14316.8	14702.3	14964.7	15145.1	15046.7	14909.3	16026.7	18767.9	21349.2
55°	13156.4	13412.7	14052.3	14685.9	15606.4	16322.0	16502.4	17281.5	19727.4	22403.0
57.5°	11374.7	11790.9	12365.0	13646.4	15196.4	16939.1	18359.9	19022.1	20744.3	23528.6
60°	8319.9	8877.5	9591.0	11497.7	13761.2	16609.0	19940.6	21695.6	22189.8	24986.3
62.5°	5324.5	5668.9	6325.0	8121.0	10722.8	14917.5	20424.5	25037.5	24639.8	27376.9
65°	3645.3	3866.8	4467.5	5476.2	6931.9	11104.1	19128.7	27542.9	28531.1	31165.7
67.5°	2648.9	2817.0	3329.6	4213.2	4516.7	6571.0	14843.7	27428.1	32313.8	35069.4
70°	1931.3	2050.2	2480.8	3329.6	3475.2	3655.6	8992.4	23315.3	32231.8	36106.8
72.5°	1431.1	1513.1	1802.2	2583.3	2812.9	2468.5	4451.1	16945.2	27696.7	32658.3
75°	1035.4	1096.9	1310.1	1976.4	2251.2	1880.1	2220.4	9902.7	19319.4	22972.9
77.5°	791.4	838.5	978.0	1447.5	1802.2	1410.6	1377.8	4555.6	9160.5	9205.6
80°	635.6	666.3	742.2	1019.0	1381.9	1055.9	898.0	1839.1	2894.9	2450.0
82.5°	467.5	518.7	627.4	715.5	988.2	727.8	547.4	928.8	1101.0	947.2
85°	266.5	301.4	379.3	512.6	631.5	444.9	313.7	412.1	512.6	420.3
87.5°	94.3	123.0	133.3	200.9	274.7	184.5	121.0	118.9	168.1	125.1
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°
5664.8	0°	5664.8	5664.8	5664.8	5664.8	5664.8	5664.8	5664.8	5664.8	5664.8	5664.8
5726.3	2.5°	5705.8	5695.6	5654.6	5599.2	5541.8	5486.4	5468.0	5429.0	5402.4	5388.0
5859.6	5°	5820.6	5787.8	5691.5	5568.5	5439.3	5299.9	5201.5	5111.2	5045.6	4984.1
6042.1	7.5°	5984.7	5927.2	5761.2	5545.9	5316.3	5084.6	4912.4	4781.2	4693.0	4635.6
6255.3	10°	6175.3	6087.2	5832.9	5511.0	5156.4	4824.2	4621.2	4508.5	4453.1	4422.4
6499.3	12.5°	6394.7	6269.6	5906.7	5431.1	4912.4	4533.1	4393.7	4360.9	4362.9	4365.0
6806.8	15°	6665.3	6491.1	5966.2	5256.8	4594.6	4309.6	4285.0	4338.3	4393.7	4420.3
7155.3	17.5°	6970.8	6724.8	5976.5	4969.8	4283.0	4166.1	4244.0	4358.8	4442.9	4479.8
7544.9	20°	7298.9	6962.6	5902.6	4563.8	4026.7	4049.2	4188.6	4336.3	4428.5	4475.7
7989.8	22.5°	7674.0	7216.8	5726.3	4137.4	3817.5	3922.1	4086.1	4229.6	4326.0	4373.2
8512.6	25°	8102.5	7501.8	5449.5	3778.6	3637.1	3778.6	3942.6	4061.5	4139.4	4182.5
9096.9	27.5°	8578.2	7799.1	5080.5	3493.6	3479.3	3631.0	3766.3	3858.6	3899.6	3932.4
9718.1	30°	9055.9	8069.7	4633.5	3278.3	3341.9	3485.4	3581.8	3622.8	3635.1	3641.2
10411.1	32.5°	9572.6	8303.5	4164.0	3100.0	3210.7	3343.9	3401.3	3419.8	3362.4	3323.4
11251.7	35°	10197.9	8553.6	3704.8	2958.5	3081.5	3196.3	3214.8	3198.4	3130.7	3050.8
12305.5	37.5°	10970.8	8865.2	3337.8	2858.0	2960.5	3036.4	3013.9	3009.8	3015.9	2921.6
13572.6	40°	11918.0	9271.2	3069.2	2780.1	2862.1	2878.5	2815.0	2849.8	2880.6	2737.1
14962.7	42.5°	12969.8	9761.2	2899.0	2726.8	2780.1	2741.2	2642.8	2681.7	2677.6	2489.0
16358.9	45°	14042.1	10294.3	2839.6	2687.9	2704.3	2626.4	2517.7	2527.9	2441.8	2271.7
17697.7	47.5°	15108.2	10866.3	2876.5	2655.1	2610.0	2521.8	2437.7	2392.6	2265.5	2138.4
18981.1	50°	16153.8	11467.0	3011.8	2589.5	2480.8	2429.5	2368.0	2288.1	2152.8	2044.1
20194.9	52.5°	17123.6	12071.8	3163.5	2480.8	2318.8	2349.6	2310.6	2218.4	2085.1	1974.4
21343.0	55°	18042.1	12676.6	3223.0	2331.1	2167.1	2279.9	2257.3	2087.1	1927.2	1837.0
22544.4	57.5°	19042.6	13404.5	3157.4	2140.5	2044.1	2199.9	2113.8	1925.2	1832.9	1765.3
24108.8	60°	20428.6	14546.5	3015.9	1904.7	1927.2	2081.0	1933.4	1855.5	1755.0	1679.1
26454.3	62.5°	22731.0	16676.7	2788.3	1670.9	1789.9	1904.7	1847.3	1769.4	1666.8	1593.0
30464.5	65°	26134.4	19637.2	2359.8	1488.5	1636.1	1732.5	1755.0	1677.1	1570.5	1492.6
33978.6	67.5°	29004.7	21494.7	1785.8	1336.8	1478.2	1593.0	1656.6	1580.7	1468.0	1392.1
34800.8	70°	28846.9	20145.7	1363.4	1187.1	1338.8	1455.7	1537.7	1478.2	1357.3	1285.5
31610.6	72.5°	25621.9	16853.0	1103.0	1035.4	1197.3	1312.2	1410.6	1365.5	1242.4	1172.7
23157.5	75°	18823.3	11963.2	881.6	881.6	1021.0	1162.5	1271.1	1242.4	1129.7	1080.5
9722.2	77.5°	7934.4	5019.0	690.9	731.9	848.8	998.5	1133.8	1144.0	1045.6	1107.1
2571.0	80°	2109.7	1383.9	526.9	576.1	666.3	824.2	986.2	982.1	875.5	818.0
955.4	82.5°	803.7	545.4	375.2	405.9	481.8	631.5	781.1	805.7	699.1	604.8
375.2	85°	309.6	233.7	231.7	244.0	280.9	418.2	590.5	611.0	526.9	447.0
104.6	87.5°	80.0	69.7	86.1	82.0	129.2	223.5	338.3	350.6	321.9	186.6
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>
5664.8
5404.4
5008.7
4647.9
4430.6
4369.1
4418.3
4488.0
4488.0
4385.5
4194.8
3944.7
3655.6
3335.7
3054.9
2927.7
2741.2
2486.9
2277.8
2138.4
2035.9
1976.4
1828.8
1759.1
1675.0
1593.0
1496.7
1394.2
1291.7
1172.7
1066.1
1004.6
760.6
604.8
461.3
266.5
0.0

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