

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: P850403

Luminaire Tested: **GLAN-SB7D-927-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850403
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-SB7D-927-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 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: 46197 lumens
Efficiency: N/A
Efficacy: 90.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

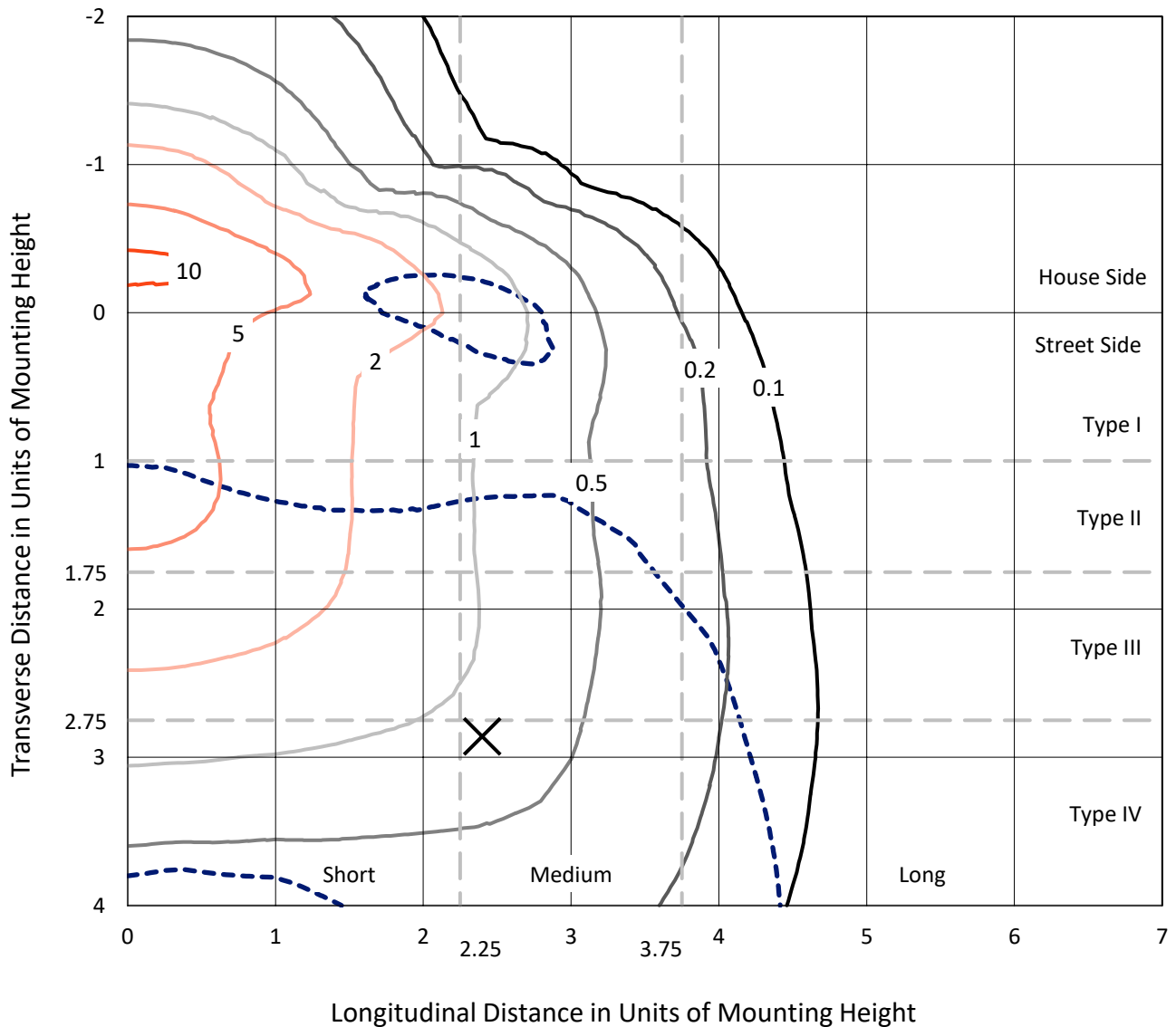
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

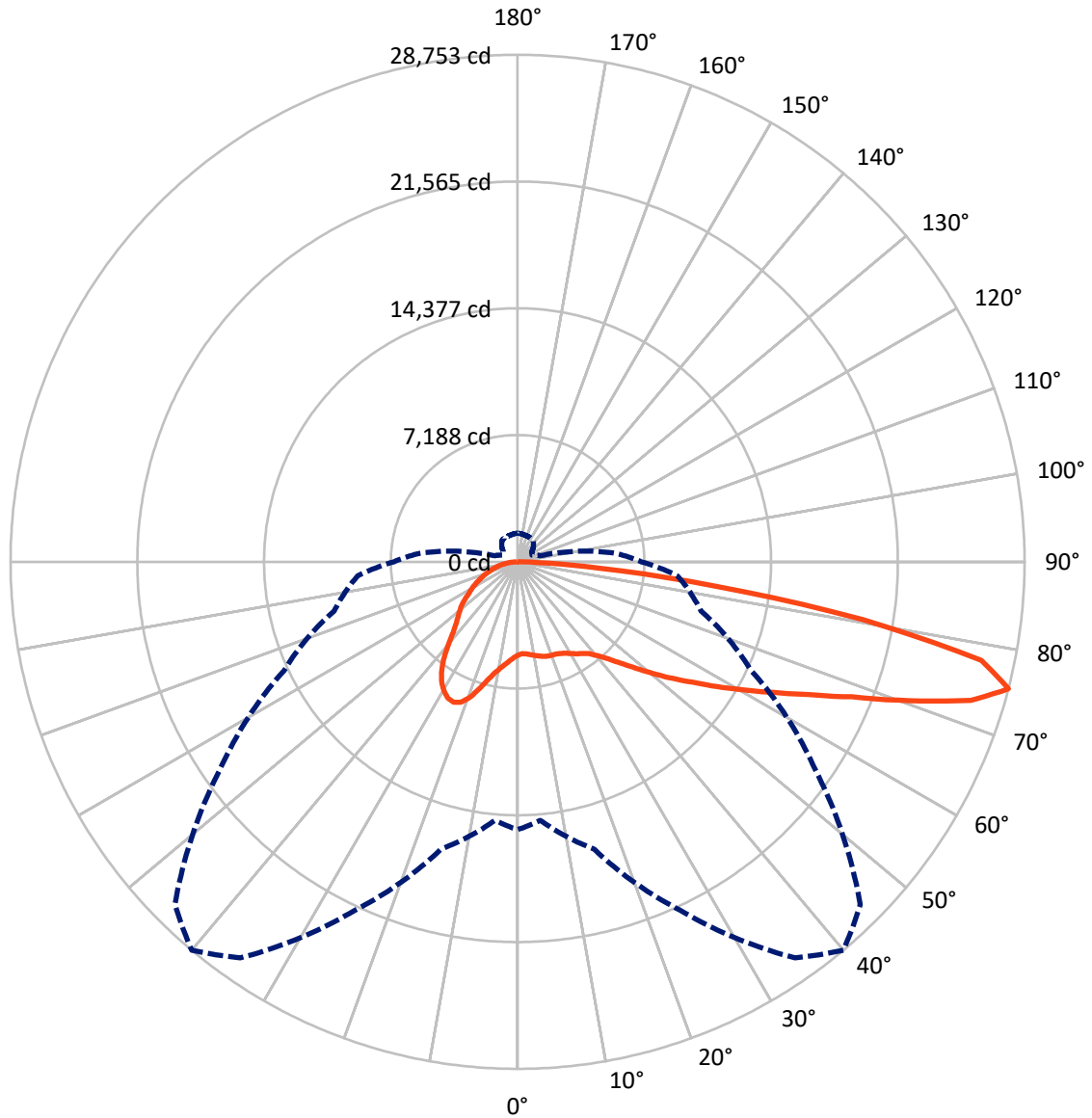
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.9 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	14313.4	0.0	14313.4
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	31883.6	0.0	31883.6
	% Fixture	69.0	0.0	69.0
Total	Lumens	46197.0	0.0	46197.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	527.3	1.1
10°-20°	1770.4	3.8
20°-30°	3232.7	7.0
30°-40°	4584.8	9.9
40°-50°	6190.9	13.4
50°-60°	8328.4	18.0
60°-70°	10570.6	22.9
70°-80°	9593.5	20.8
80°-90°	1398.4	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°	46197.0	100.0
0°-180°	46197.0	100.0

Coefficient of Utilization

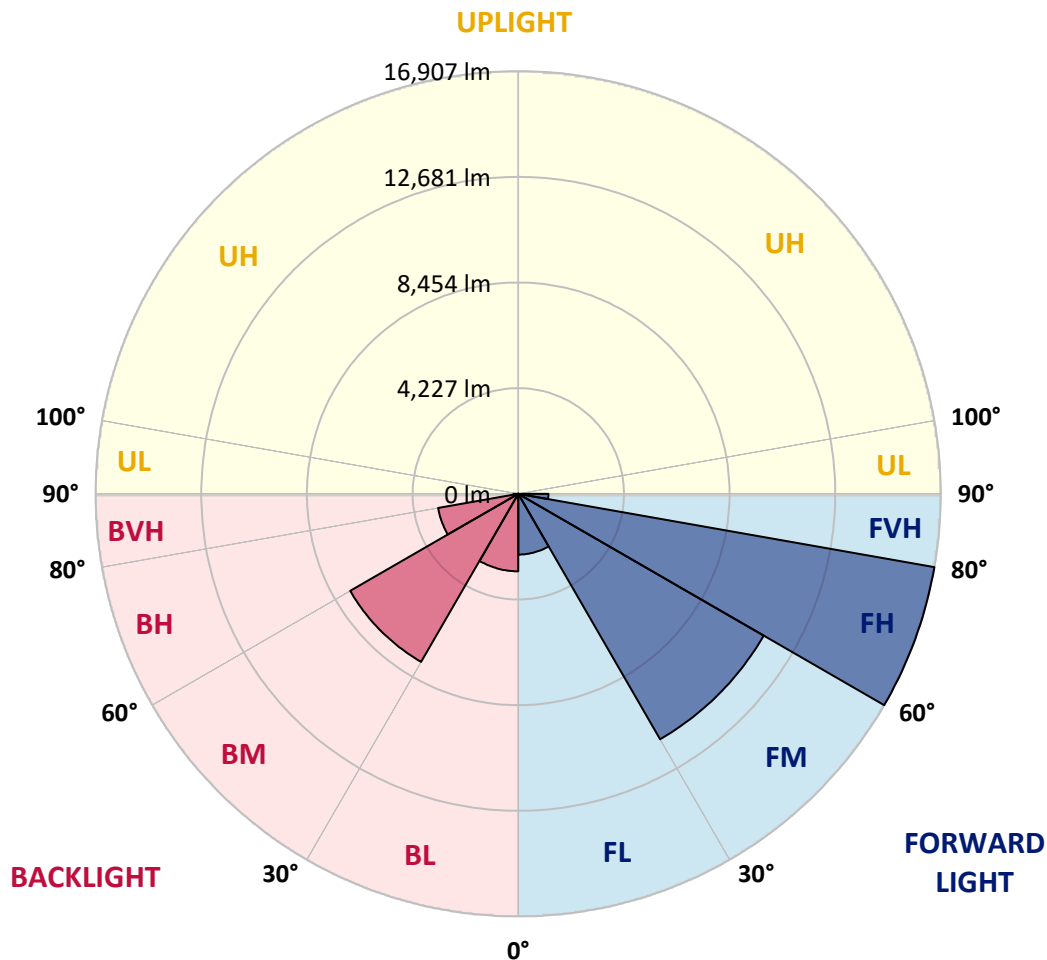


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2430.0	5.3			
FM (30°-60°)	11340.3	24.5			
FH (60°-80°)	16907.4	36.6			G5
FVH (80°-90°)	1205.9	2.6			G5
BL (0°-30°)	3100.4	6.7	B4/5000		
BM (30°-60°)	7763.7	16.8	B4/8500		
BH (60°-80°)	3256.7	7.0	B4/5000		G4/5000
BVH (80°-90°)	192.5	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	5282.7	5282.7	5282.7	5282.7	5282.7	5282.7	5282.7	5282.7	5282.7	5282.7
2.5°	5201.8	5231.2	5223.9	5214.1	5214.1	5216.5	5214.1	5231.2	5248.4	5265.5
5°	5255.7	5285.1	5270.4	5258.2	5248.4	5245.9	5238.6	5236.1	5245.9	5268.0
7.5°	5361.1	5390.5	5368.4	5346.4	5326.8	5317.0	5307.2	5292.5	5285.1	5297.4
10°	5478.7	5508.1	5481.2	5442.0	5410.1	5397.8	5388.0	5373.3	5363.5	5370.9
12.5°	5596.3	5625.7	5589.0	5535.1	5493.4	5486.1	5473.8	5468.9	5466.5	5464.0
15°	5706.6	5731.1	5684.5	5620.8	5576.7	5564.5	5552.2	5559.6	5571.8	5586.5
17.5°	5792.3	5816.8	5748.2	5664.9	5623.3	5618.4	5611.0	5635.5	5669.8	5706.6
20°	5870.7	5895.2	5807.0	5694.3	5645.3	5645.3	5647.8	5699.2	5748.2	5802.1
22.5°	5981.0	6000.6	5892.8	5738.4	5667.4	5672.3	5691.9	5743.3	5804.6	5878.1
25°	6145.2	6159.9	6027.6	5821.7	5740.9	5755.6	5772.7	5797.2	5856.0	5941.8
27.5°	6409.8	6422.0	6248.1	5968.8	5846.2	5870.7	5895.2	5878.1	5905.0	5978.6
30°	6782.2	6789.6	6569.1	6199.1	6025.1	6037.4	6042.3	5971.2	5919.7	5978.6
32.5°	7223.3	7220.8	6958.6	6478.4	6228.5	6216.2	6174.6	6034.9	5914.8	5966.3
35°	7906.9	7879.9	7541.8	6870.4	6458.8	6382.8	6284.8	6106.0	5939.3	5954.1
37.5°	9038.9	8955.6	8487.6	7512.4	6801.8	6608.3	6463.7	6221.1	5993.3	5949.2
40°	10315.5	10210.1	9695.5	8392.0	7316.4	7005.2	6772.4	6385.3	6081.5	5971.2
42.5°	11829.7	11680.2	11126.5	9428.5	7968.1	7517.3	7166.9	6593.6	6211.3	6042.3
45°	13689.4	13490.9	12706.9	10597.2	8789.0	8188.7	7720.7	6909.6	6409.8	6179.5
47.5°	15568.7	15617.7	14502.9	11935.1	9774.0	9016.8	8414.1	7385.0	6698.9	6400.0
50°	17565.7	17600.0	16289.1	13417.4	10891.3	9952.8	9193.3	7916.7	7100.8	6713.6
52.5°	19124.0	19128.9	17911.2	14968.4	12055.1	10981.9	10033.7	8524.3	7566.3	7130.2
55°	20099.2	20087.0	19048.1	16436.1	13392.9	12062.5	10964.8	9215.3	8134.8	7620.2
57.5°	20807.3	20770.6	19832.1	17698.0	14819.0	13339.0	12018.4	9999.4	8806.1	8203.4
60°	21076.8	21054.8	20363.8	18788.3	16318.5	14750.4	13233.7	10876.6	9568.1	8891.9
62.5°	21179.8	21221.4	20885.7	19844.4	17923.4	16313.6	14569.0	11925.3	10425.7	9671.0
65°	21542.4	21618.3	21549.7	21226.3	19736.6	18143.9	16340.6	13172.4	11361.7	10506.6
67.5°	22260.3	22336.3	22365.7	22880.2	21951.6	20425.1	18550.7	14725.9	12457.0	11374.0
70°	22243.2	22221.1	22740.6	24196.0	24725.2	23583.4	21530.1	16637.0	13762.9	12094.3
72.5°	20246.2	20069.8	21297.4	24181.3	27033.3	26881.4	25168.7	19102.0	14890.0	12182.5
75°	15189.0	14718.5	16887.0	21792.3	27418.0	28753.4	27481.7	20630.9	14623.0	10763.8
77.5°	6495.6	6022.7	8578.2	16132.3	24539.0	26879.0	25359.8	17999.4	11672.9	7117.9
80°	1700.5	1698.0	2592.3	7313.9	16688.5	19849.3	17413.8	11623.9	6669.5	2543.3
82.5°	703.2	686.1	953.1	2844.7	8154.4	11138.7	9090.3	5184.7	2408.6	688.5
85°	262.2	259.7	463.1	982.5	2876.6	4594.2	3325.0	1325.6	600.3	335.7
87.5°	73.5	71.1	100.5	340.6	700.8	1063.4	568.5	218.1	169.1	132.3
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°
5282.7	0°	5282.7	5282.7	5282.7	5282.7	5282.7	5282.7	5282.7	5282.7	5282.7	5282.7
5292.5	2.5°	5299.8	5312.1	5334.1	5351.3	5373.3	5397.8	5432.2	5454.2	5476.3	5491.0
5304.7	5°	5321.9	5348.8	5405.2	5461.6	5527.7	5589.0	5660.0	5711.5	5753.1	5765.4
5348.8	7.5°	5370.9	5415.0	5510.6	5606.1	5711.5	5811.9	5914.8	6003.1	6074.1	6101.1
5427.3	10°	5456.7	5515.5	5650.2	5785.0	5924.6	6079.0	6211.3	6338.7	6439.2	6480.8
5520.4	12.5°	5564.5	5638.0	5814.4	6000.6	6194.2	6407.3	6578.9	6735.7	6860.6	6917.0
5650.2	15°	5704.1	5799.7	6025.1	6275.0	6559.3	6855.7	7073.8	7247.8	7387.4	7456.0
5785.0	17.5°	5856.0	5983.5	6267.7	6645.0	7051.8	7441.3	7696.2	7823.6	7968.1	8034.3
5909.9	20°	6003.1	6159.9	6566.6	7115.5	7657.0	8071.0	8276.9	8311.2	8321.0	8328.3
6027.6	22.5°	6155.0	6365.7	6941.5	7708.4	8289.1	8575.8	8605.2	8458.2	8252.4	8156.8
6142.7	25°	6321.6	6600.9	7431.5	8362.6	8833.1	8867.4	8641.9	8284.2	7894.6	7715.8
6235.8	27.5°	6483.3	6872.9	8019.6	8987.4	9225.1	8923.7	8438.6	7931.4	7460.9	7272.3
6302.0	30°	6645.0	7184.1	8668.9	9533.8	9404.0	8784.1	8117.6	7551.6	7078.7	6880.2
6360.8	32.5°	6809.2	7546.7	9416.2	9928.3	9372.1	8487.6	7718.2	7125.3	6708.7	6500.5
6412.2	35°	6995.4	7992.6	10124.3	10143.9	9158.9	8051.4	7191.4	6615.6	6253.0	6086.4
6473.5	37.5°	7238.0	8558.6	10749.1	10197.8	8786.5	7411.9	6537.2	6012.9	5713.9	5638.0
6564.2	40°	7539.3	9239.8	11226.9	10112.1	8235.2	6635.2	5821.7	5402.7	5233.7	5250.8
6686.7	42.5°	7931.4	10001.8	11562.6	9891.6	7468.3	5834.0	5194.5	5008.3	5089.1	5157.7
6870.4	45°	8441.0	10793.2	11770.9	9516.7	6600.9	5155.3	4824.5	4868.6	4929.9	4937.2
7166.9	47.5°	9092.8	11594.5	11908.1	8950.7	5716.4	4677.5	4589.3	4599.1	4586.8	4535.4
7610.4	50°	9906.3	12373.6	12030.6	8200.9	4964.2	4378.6	4260.9	4226.6	4057.6	3891.0
8200.9	52.5°	10832.5	13089.1	12082.1	7269.8	4378.6	4128.6	3937.5	3721.9	3405.8	3354.4
8943.3	55°	11861.5	13750.7	11949.8	6125.6	3886.1	3807.7	3518.5	3258.8	3224.5	3180.4
9921.0	57.5°	13091.6	14463.7	11680.2	4849.0	3381.3	3432.8	3151.0	3180.4	3119.1	3050.5
11177.9	60°	14436.7	15201.2	11207.3	3685.1	2859.4	2964.8	3055.4	3053.0	3035.8	2979.5
12503.5	62.5°	15647.1	15686.4	10276.3	2822.7	2401.2	2602.1	2849.6	2847.2	2832.5	2800.6
13887.9	65°	16367.5	15612.8	8722.8	2222.4	2023.9	2303.2	2570.3	2589.9	2592.3	2589.9
14929.2	67.5°	16240.1	14752.8	6591.1	1769.1	1712.7	1999.4	2293.4	2320.4	2340.0	2344.9
15061.5	70°	14799.4	12863.7	4297.7	1411.3	1435.8	1732.3	2031.2	2058.2	2075.3	2094.9
13069.5	72.5°	11535.7	9457.9	2460.0	1141.8	1193.3	1502.0	1771.5	1803.4	1813.2	1849.9
9095.2	75°	7029.7	5562.0	1328.0	899.2	980.1	1283.9	1514.2	1551.0	1568.1	1612.2
4466.8	77.5°	3342.1	2408.6	757.1	700.8	789.0	1048.7	1279.0	1320.7	1274.1	1298.6
1232.5	80°	1129.6	894.3	477.8	534.1	602.8	818.4	1024.2	1065.8	967.8	962.9
409.2	82.5°	394.5	362.6	303.8	355.3	389.6	585.6	774.3	828.2	720.4	717.9
183.8	85°	154.4	147.0	169.1	193.6	232.8	360.2	509.6	536.6	443.5	357.7
53.9	87.5°	31.9	34.3	41.7	44.1	71.1	125.0	183.8	225.4	178.9	151.9
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°
5282.7
5481.2
5770.3
6103.5
6483.3
6917.0
7451.1
8031.8
8347.9
8183.8
7742.7
7294.3
6902.3
6527.4
6123.1
5691.9
5309.6
5221.4
4986.2
4574.6
3913.0
3371.5
3187.7
3038.3
2959.9
2788.4
2589.9
2349.8
2104.7
1864.6
1617.1
1279.0
953.1
683.6
352.8
139.7
0.0

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