

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: P850643

Luminaire Tested: **GLAN-SB8B-730-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850643
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-SB8B-730-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43600 lumens
Efficiency: N/A
Efficacy: 148.9 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

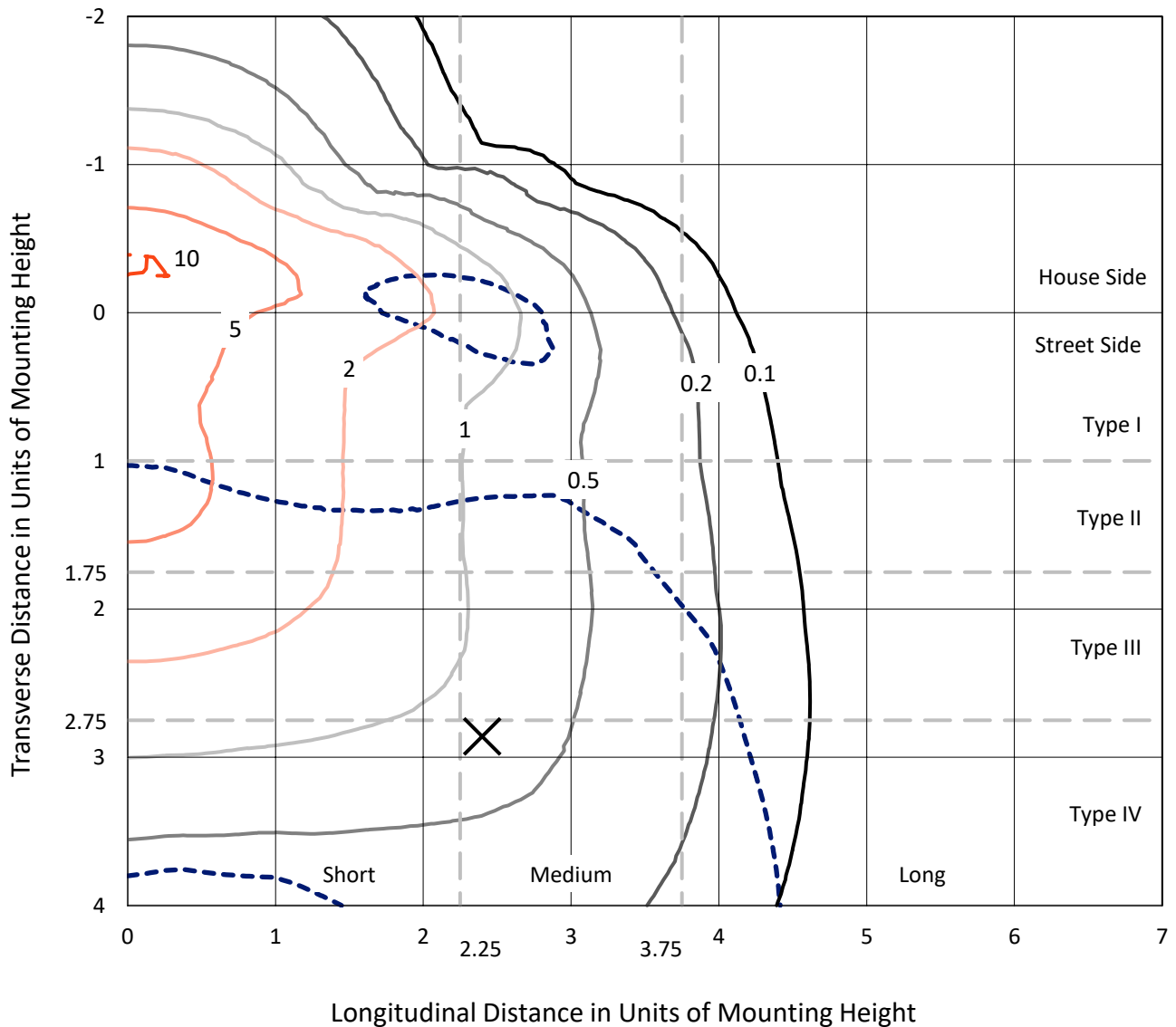
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

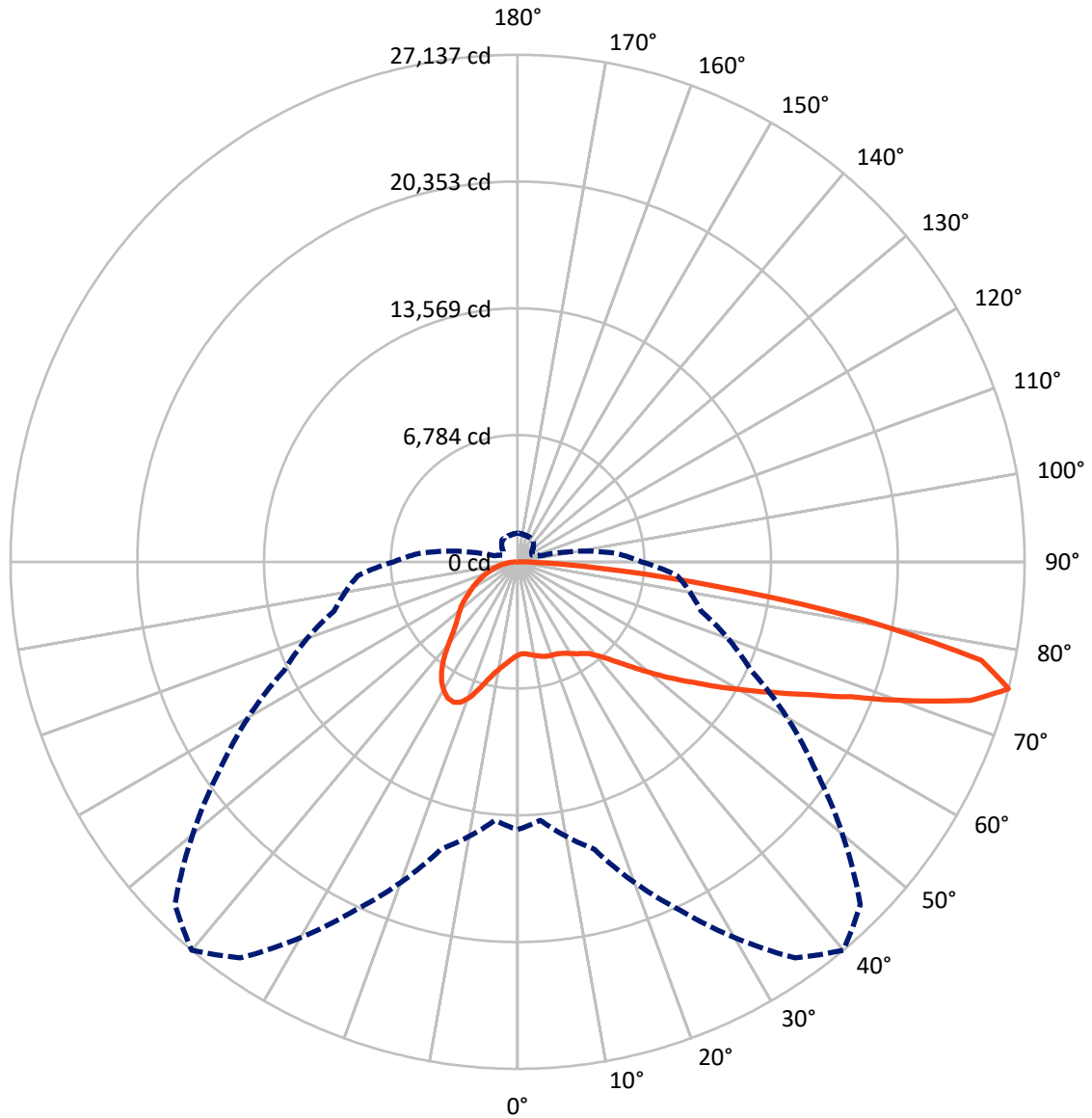
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 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	13508.7	0.0	13508.7
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	30091.3	0.0	30091.3
	% Fixture	69.0	0.0	69.0
Total	Lumens	43600.0	0.0	43600.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	497.7	1.1
10°-20°	1670.9	3.8
20°-30°	3050.9	7.0
30°-40°	4327.1	9.9
40°-50°	5842.8	13.4
50°-60°	7860.2	18.0
60°-70°	9976.4	22.9
70°-80°	9054.2	20.8
80°-90°	1319.8	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°	43600.0	100.0
0°-180°	43600.0	100.0

Coefficient of Utilization

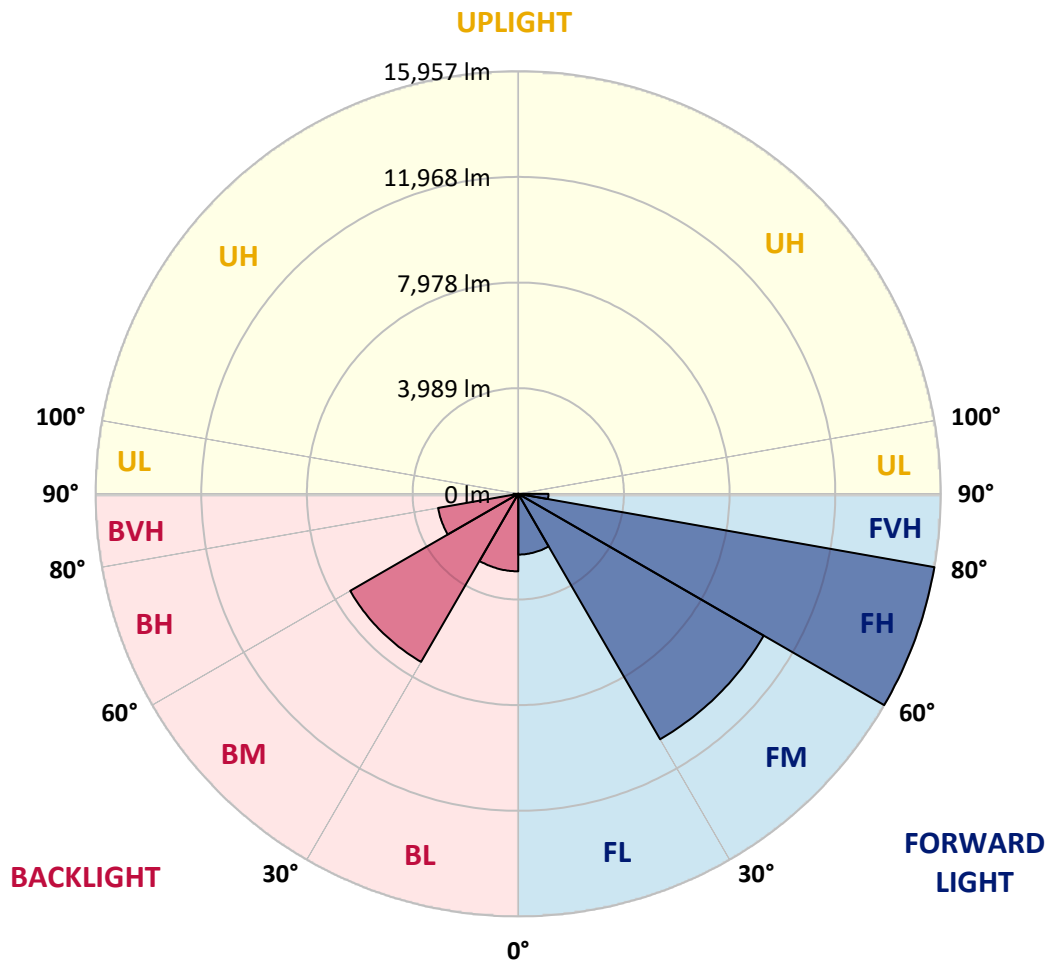


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2293.4	5.3			
FM (30°-60°)	10702.8	24.5			
FH (60°-80°)	15956.9	36.6			G5
FVH (80°-90°)	1138.1	2.6			G5
BL (0°-30°)	2926.1	6.7	B4/5000		
BM (30°-60°)	7327.3	16.8	B4/8500		
BH (60°-80°)	3073.6	7.0	B4/5000		G4/5000
BVH (80°-90°)	181.7	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°	4985.7	4985.7	4985.7	4985.7	4985.7	4985.7	4985.7	4985.7	4985.7	4985.7
2.5°	4909.4	4937.2	4930.2	4921.0	4921.0	4923.3	4921.0	4937.2	4953.3	4969.5
5°	4960.3	4988.0	4974.2	4962.6	4953.3	4951.0	4944.1	4941.8	4951.0	4971.8
7.5°	5059.7	5087.5	5066.7	5045.8	5027.3	5018.1	5008.8	4995.0	4988.0	4999.6
10°	5170.7	5198.5	5173.0	5136.0	5106.0	5094.4	5085.2	5071.3	5062.0	5069.0
12.5°	5281.7	5309.5	5274.8	5223.9	5184.6	5177.7	5166.1	5161.5	5159.2	5156.8
15°	5385.8	5408.9	5365.0	5304.8	5263.2	5251.7	5240.1	5247.0	5258.6	5272.5
17.5°	5466.7	5489.8	5425.1	5346.5	5307.2	5302.5	5295.6	5318.7	5351.1	5385.8
20°	5540.7	5563.8	5480.6	5374.2	5328.0	5328.0	5330.3	5378.8	5425.1	5476.0
22.5°	5644.8	5663.3	5561.5	5415.8	5348.8	5353.4	5371.9	5420.5	5478.3	5547.7
25°	5799.7	5813.6	5688.7	5494.5	5418.2	5432.0	5448.2	5471.3	5526.8	5607.8
27.5°	6049.5	6061.0	5896.8	5633.2	5517.6	5540.7	5563.8	5547.7	5573.1	5642.5
30°	6401.0	6407.9	6199.8	5850.6	5686.4	5698.0	5702.6	5635.5	5587.0	5642.5
32.5°	6817.2	6814.9	6567.5	6114.2	5878.3	5866.8	5827.5	5695.7	5582.3	5630.9
35°	7462.4	7437.0	7117.8	6484.2	6095.7	6024.0	5931.5	5762.7	5605.5	5619.3
37.5°	8530.8	8452.1	8010.4	7090.1	6419.5	6236.8	6100.3	5871.4	5656.3	5614.7
40°	9735.6	9636.1	9150.5	7920.3	6905.1	6611.4	6391.7	6026.3	5739.6	5635.5
42.5°	11164.7	11023.6	10501.0	8898.4	7520.2	7094.7	6764.0	6222.9	5862.1	5702.6
45°	12919.9	12732.5	11992.5	10001.5	8294.9	7728.3	7286.6	6521.2	6049.5	5832.1
47.5°	14693.5	14739.8	13687.6	11264.1	9224.5	8509.9	7941.1	6969.8	6322.3	6040.2
50°	16578.2	16610.6	15373.4	12663.2	10279.0	9393.3	8676.4	7471.6	6701.6	6336.2
52.5°	18048.9	18053.6	16904.3	14127.0	11377.4	10364.6	9469.6	8045.1	7141.0	6729.3
55°	18969.3	18957.8	17977.3	15512.2	12640.0	11384.4	10348.4	8697.3	7677.5	7191.8
57.5°	19637.6	19602.9	18717.3	16703.1	13985.9	12589.2	11342.7	9437.3	8311.1	7742.2
60°	19892.0	19871.2	19219.1	17732.1	15401.2	13921.2	12489.7	10265.1	9030.3	8392.0
62.5°	19989.1	20028.4	19711.6	18728.8	16915.8	15396.5	13750.0	11254.9	9839.6	9127.4
65°	20331.4	20403.1	20338.3	20033.1	18627.1	17124.0	15422.0	12431.9	10723.0	9915.9
67.5°	21008.9	21080.6	21108.4	21594.0	20717.6	19276.9	17507.8	13898.0	11756.7	10734.6
70°	20992.7	20971.9	21462.2	22835.8	23335.3	22257.7	20319.8	15701.8	12989.2	11414.4
72.5°	19108.1	18941.6	20100.1	22821.9	25513.6	25370.3	23753.8	18028.1	14053.0	11497.7
75°	14335.1	13891.1	15937.6	20567.2	25876.7	27137.0	25936.8	19471.1	13800.9	10158.7
77.5°	6130.4	5684.1	8096.0	15225.4	23159.5	25368.0	23934.2	16987.5	11016.7	6717.8
80°	1604.9	1602.6	2446.6	6902.8	15750.3	18733.4	16434.8	10970.4	6294.6	2400.4
82.5°	663.7	647.5	899.6	2684.8	7696.0	10512.6	8579.3	4893.2	2273.2	649.8
85°	247.4	245.1	437.1	927.3	2714.9	4335.9	3138.0	1251.1	566.6	316.8
87.5°	69.4	67.1	94.8	321.4	661.4	1003.6	536.5	205.8	159.6	124.9
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°
4985.7	0°	4985.7	4985.7	4985.7	4985.7	4985.7	4985.7	4985.7	4985.7	4985.7	4985.7
4995.0	2.5°	5001.9	5013.5	5034.3	5050.5	5071.3	5094.4	5126.8	5147.6	5168.4	5182.3
5006.5	5°	5022.7	5048.2	5101.3	5154.5	5217.0	5274.8	5341.8	5390.4	5429.7	5441.3
5048.2	7.5°	5069.0	5110.6	5200.8	5291.0	5390.4	5485.2	5582.3	5665.6	5732.7	5758.1
5122.2	10°	5149.9	5205.4	5332.6	5459.8	5591.6	5737.3	5862.1	5982.4	6077.2	6116.5
5210.0	12.5°	5251.7	5321.0	5487.5	5663.3	5846.0	6047.1	6209.0	6357.0	6475.0	6528.1
5332.6	15°	5383.5	5473.7	5686.4	5922.3	6190.5	6470.3	6676.1	6840.3	6972.1	7036.9
5459.8	17.5°	5526.8	5647.1	5915.3	6271.5	6655.3	7023.0	7263.5	7383.8	7520.2	7582.6
5577.7	20°	5665.6	5813.6	6197.5	6715.5	7226.5	7617.3	7811.6	7843.9	7853.2	7860.1
5688.7	22.5°	5809.0	6007.8	6551.3	7275.1	7823.1	8093.7	8121.4	7982.7	7788.5	7698.3
5797.4	25°	5966.2	6229.8	7013.8	7892.5	8336.5	8368.9	8156.1	7818.5	7450.8	7282.0
5885.3	27.5°	6118.8	6486.5	7568.8	8482.2	8706.5	8422.1	7964.2	7485.5	7041.5	6863.5
5947.7	30°	6271.5	6780.2	8181.6	8997.9	8875.3	8290.3	7661.3	7127.1	6680.8	6493.5
6003.2	32.5°	6426.4	7122.5	8886.9	9370.2	8845.3	8010.4	7284.3	6724.7	6331.6	6135.0
6051.8	35°	6602.1	7543.3	9555.2	9573.7	8644.1	7598.8	6787.1	6243.7	5901.5	5744.2
6109.6	37.5°	6831.1	8077.5	10144.9	9624.6	8292.6	6995.3	6169.7	5674.8	5392.7	5321.0
6195.1	40°	7115.5	8720.4	10595.8	9543.6	7772.3	6262.2	5494.5	5099.0	4939.5	4955.7
6310.8	42.5°	7485.5	9439.6	10912.6	9335.5	7048.5	5506.0	4902.5	4726.7	4803.0	4867.8
6484.2	45°	7966.5	10186.5	11109.2	8981.7	6229.8	4865.5	4553.3	4594.9	4652.7	4659.7
6764.0	47.5°	8581.6	10942.7	11238.7	8447.5	5395.0	4414.5	4331.3	4340.5	4329.0	4280.4
7182.6	50°	9349.4	11678.1	11354.3	7739.9	4685.1	4132.4	4021.4	3989.0	3829.5	3672.2
7739.9	52.5°	10223.5	12353.3	11402.9	6861.1	4132.4	3896.5	3716.2	3512.7	3214.4	3165.8
8440.6	55°	11194.7	12977.7	11278.0	5781.2	3667.6	3593.6	3320.7	3075.6	3043.2	3001.6
9363.3	57.5°	12355.6	13650.6	11023.6	4576.4	3191.2	3239.8	2973.9	3001.6	2943.8	2879.0
10549.6	60°	13625.2	14346.7	10577.3	3478.0	2698.7	2798.1	2883.7	2881.4	2865.2	2812.0
11800.6	62.5°	14767.5	14804.5	9698.6	2664.0	2266.2	2455.9	2689.4	2687.1	2673.2	2643.2
13107.2	65°	15447.4	14735.2	8232.4	2097.4	1910.1	2173.7	2425.8	2444.3	2446.6	2444.3
14090.0	67.5°	15327.2	13923.5	6220.6	1669.6	1616.4	1887.0	2164.5	2189.9	2208.4	2213.0
14214.8	70°	13967.4	12140.5	4056.1	1332.0	1355.1	1634.9	1917.1	1942.5	1958.7	1977.2
12334.8	72.5°	10887.2	8926.2	2321.7	1077.6	1126.2	1417.6	1671.9	1702.0	1711.2	1745.9
8583.9	75°	6634.5	5249.3	1253.4	848.7	925.0	1211.7	1429.1	1463.8	1480.0	1521.6
4215.7	77.5°	3154.2	2273.2	714.6	661.4	744.6	989.7	1207.1	1246.4	1202.5	1225.6
1163.2	80°	1066.1	844.1	450.9	504.1	568.9	772.4	966.6	1005.9	913.4	908.8
386.2	82.5°	372.3	342.2	286.7	335.3	367.7	552.7	730.7	781.6	679.9	677.6
173.4	85°	145.7	138.7	159.6	182.7	219.7	339.9	481.0	506.4	418.6	337.6
50.9	87.5°	30.1	32.4	39.3	41.6	67.1	117.9	173.4	212.7	168.8	143.4
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

<u>180°</u>
4985.7
5173.0
5445.9
5760.4
6118.8
6528.1
7032.3
7580.3
7878.6
7723.7
7307.5
6884.3
6514.3
6160.5
5778.9
5371.9
5011.2
4927.9
4705.9
4317.4
3693.0
3182.0
3008.5
2867.5
2793.5
2631.6
2444.3
2217.7
1986.4
1759.8
1526.2
1207.1
899.6
645.2
333.0
131.8
0.0

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