

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: P943962

Luminaire Tested: **GLAN-SB8C-940-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943962
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8C-940-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43499 lumens
Efficiency: N/A
Efficacy: 108.8 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): 399.8
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

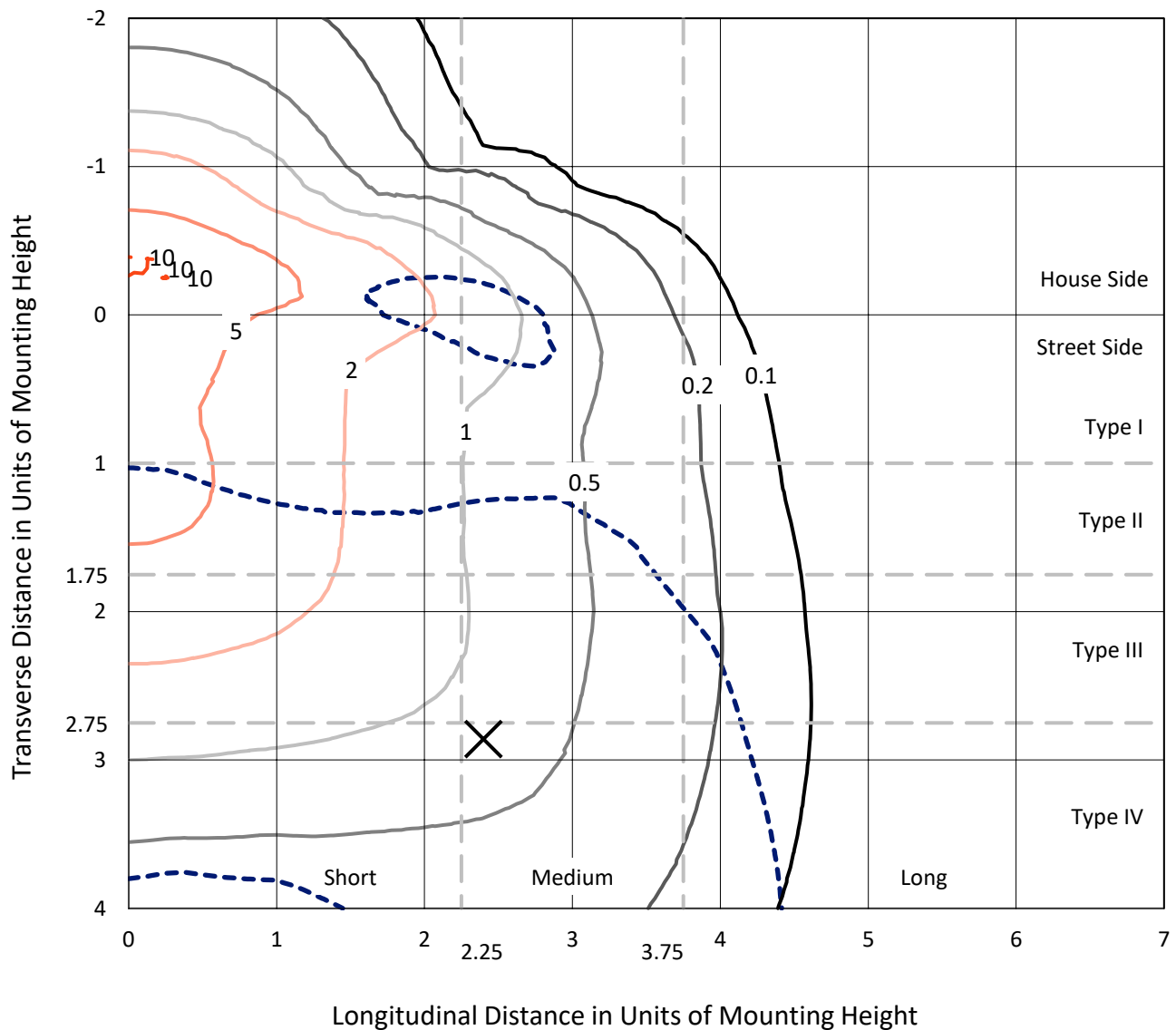


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Iso-Footcandle Lines of Horizontal Illumination

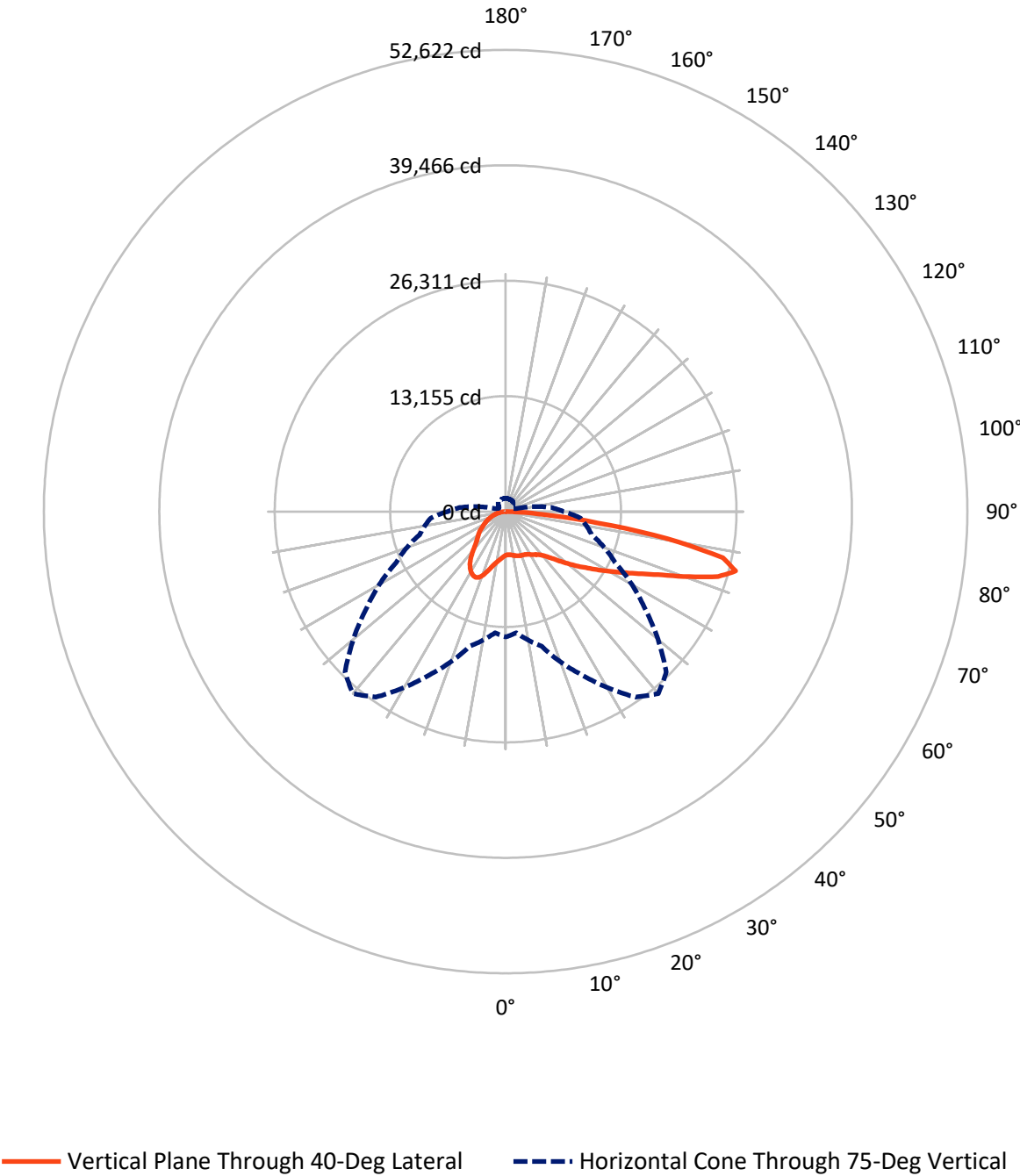
× Max cd
- - - 1/2 Max cd



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



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13477.4	0.0	13477.4
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	30021.6	0.0	30021.6
	% Fixture	69.0	0.0	69.0
Total	Lumens	43499.0	0.0	43499.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	496.5	1.1
10°-20°	1667.0	3.8
20°-30°	3043.9	7.0
30°-40°	4317.0	9.9
40°-50°	5829.3	13.4
50°-60°	7842.0	18.0
60°-70°	9953.3	22.9
70°-80°	9033.2	20.8
80°-90°	1316.8	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°	43499.0	100.0
0°-180°	43499.0	100.0

Coefficient of Utilization



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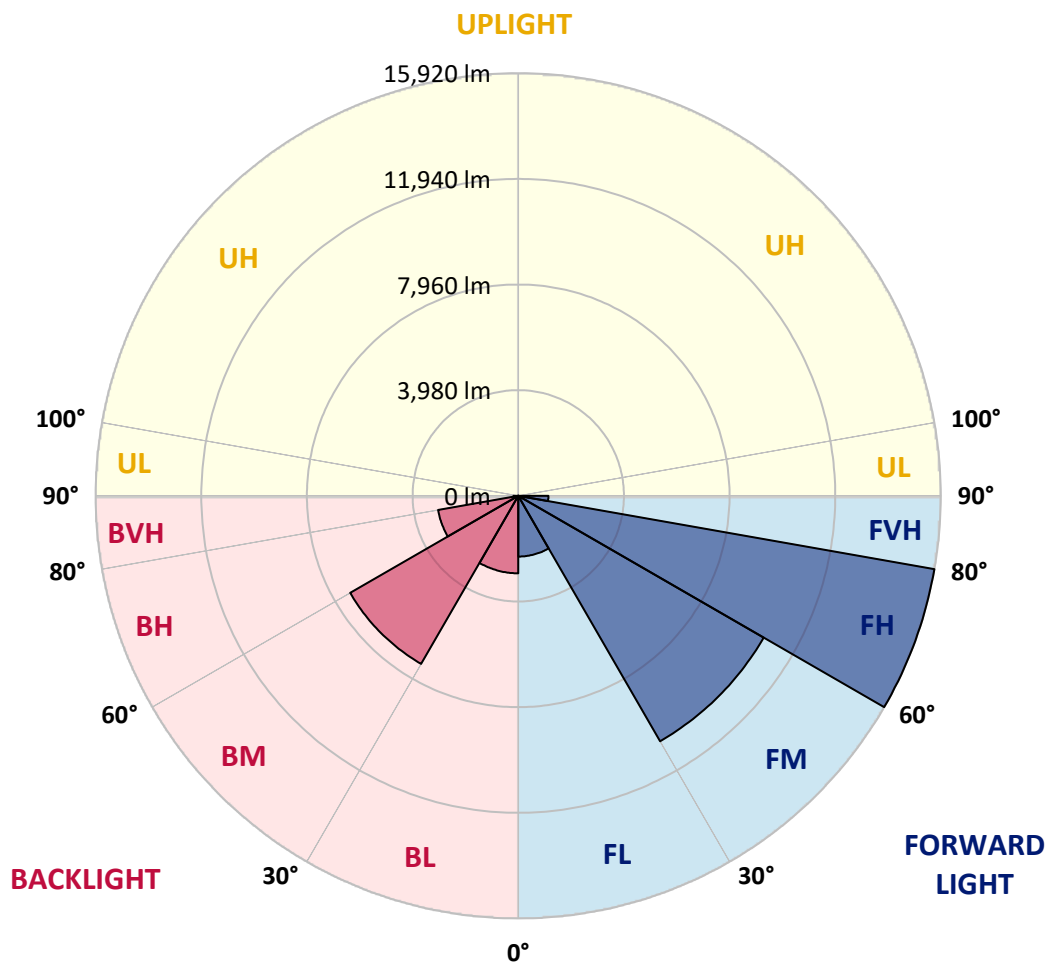
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2288.1	5.3			
FM	(30°-60°)	10678.0	24.5			
FH	(60°-80°)	15920.0	36.6			G5
FVH	(80°-90°)	1135.5	2.6			G5
BL	(0°-30°)	2919.3	6.7	B4/5000		
BM	(30°-60°)	7310.3	16.8	B4/8500		
BH	(60°-80°)	3066.5	7.0	B4/5000		G4/5000
BVH	(80°-90°)	181.3	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°	4974.2	4974.2	4974.2	4974.2	4974.2	4974.2	4974.2	4974.2	4974.2	4974.2
2.5°	4898.0	4925.7	4918.8	4909.6	4909.6	4911.9	4909.6	4925.7	4941.9	4958.0
5°	4948.8	4976.5	4962.6	4951.1	4941.9	4939.6	4932.6	4930.3	4939.6	4960.3
7.5°	5048.0	5075.7	5054.9	5034.2	5015.7	5006.5	4997.2	4983.4	4976.5	4988.0
10°	5158.7	5186.4	5161.0	5124.1	5094.1	5082.6	5073.4	5059.5	5050.3	5057.2
12.5°	5269.5	5297.2	5262.6	5211.8	5172.6	5165.7	5154.1	5149.5	5147.2	5144.9
15°	5373.3	5396.4	5352.5	5292.6	5251.0	5239.5	5228.0	5234.9	5246.4	5260.3
17.5°	5454.1	5477.1	5412.5	5334.1	5294.9	5290.2	5283.3	5306.4	5338.7	5373.3
20°	5527.9	5551.0	5467.9	5361.8	5315.6	5315.6	5317.9	5366.4	5412.5	5463.3
22.5°	5631.7	5650.2	5548.6	5403.3	5336.4	5341.0	5359.5	5407.9	5465.6	5534.8
25°	5786.3	5800.1	5675.5	5481.7	5405.6	5419.4	5435.6	5458.7	5514.0	5594.8
27.5°	6035.4	6047.0	5883.2	5620.2	5504.8	5527.9	5551.0	5534.8	5560.2	5629.4
30°	6386.1	6393.1	6185.4	5837.0	5673.2	5684.8	5689.4	5622.5	5574.0	5629.4
32.5°	6801.4	6799.1	6552.2	6100.0	5864.7	5853.2	5814.0	5682.5	5569.4	5617.9
35°	7445.1	7419.7	7101.3	6469.2	6081.6	6010.1	5917.8	5749.4	5592.5	5606.3
37.5°	8511.0	8432.6	7991.9	7073.7	6404.6	6222.3	6086.2	5857.8	5643.2	5601.7
40°	9713.0	9613.8	9129.3	7901.9	6889.1	6596.1	6376.9	6012.4	5726.3	5622.5
42.5°	11138.8	10998.1	10476.7	8877.8	7502.8	7078.3	6748.4	6208.5	5848.6	5689.4
45°	12889.9	12703.0	11964.8	9978.3	8275.7	7710.4	7269.8	6506.1	6035.4	5818.6
47.5°	14659.5	14705.6	13655.9	11238.0	9203.1	8490.2	7922.7	6953.7	6307.7	6026.2
50°	16539.8	16572.1	15337.8	12633.8	10255.2	9371.6	8656.3	7454.3	6686.1	6321.5
52.5°	18007.1	18011.8	16865.1	14094.2	11351.1	10340.5	9447.7	8026.5	7124.4	6713.7
55°	18925.4	18913.8	17935.6	15476.2	12610.8	11358.0	10324.4	8677.1	7659.7	7175.2
57.5°	19592.1	19557.5	18673.9	16664.4	13953.5	12560.0	11316.5	9415.4	8291.8	7724.3
60°	19845.9	19825.2	19174.5	17691.1	15365.5	13888.9	12460.8	10241.3	9009.3	8372.6
62.5°	19942.8	19982.0	19666.0	18685.4	16876.6	15360.9	13718.2	11228.8	9816.8	9106.2
65°	20284.3	20355.8	20291.2	19986.7	18583.9	17084.3	15386.2	12403.1	10698.2	9893.0
67.5°	20960.3	21031.8	21059.5	21544.0	20669.6	19232.2	17467.3	13865.8	11729.4	10709.7
70°	20944.1	20923.3	21412.5	22782.9	23281.2	22206.1	20272.7	15665.4	12959.1	11388.0
72.5°	19063.8	18897.7	20053.6	22769.0	25454.5	25311.5	23698.8	17986.4	14020.4	11471.0
75°	14301.9	13858.9	15900.7	20519.6	25816.8	27074.2	25876.8	19426.0	13768.9	10135.2
77.5°	6116.2	5670.9	8077.3	15190.1	23105.9	25309.2	23878.8	16948.2	10991.2	6702.2
80°	1601.1	1598.8	2440.9	6886.8	15713.9	18690.0	16396.8	10945.0	6280.0	2394.8
82.5°	662.1	646.0	897.5	2678.6	7678.1	10488.2	8559.4	4881.9	2267.9	648.3
85°	246.9	244.6	436.0	925.2	2708.6	4325.9	3130.8	1248.2	565.2	316.1
87.5°	69.2	66.9	94.6	320.7	659.8	1001.3	535.3	205.3	159.2	124.6
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°
4974.2	0°	4974.2	4974.2	4974.2	4974.2	4974.2	4974.2	4974.2	4974.2	4974.2	4974.2
4983.4	2.5°	4990.3	5001.9	5022.6	5038.8	5059.5	5082.6	5114.9	5135.7	5156.4	5170.3
4994.9	5°	5011.1	5036.5	5089.5	5142.6	5204.9	5262.6	5329.5	5377.9	5417.1	5428.7
5036.5	7.5°	5057.2	5098.8	5188.7	5278.7	5377.9	5472.5	5569.4	5652.5	5719.4	5744.7
5110.3	10°	5138.0	5193.3	5320.2	5447.1	5578.6	5724.0	5848.6	5968.5	6063.1	6102.4
5198.0	12.5°	5239.5	5308.7	5474.8	5650.2	5832.4	6033.1	6194.6	6342.3	6460.0	6513.0
5320.2	15°	5371.0	5461.0	5673.2	5908.6	6176.2	6455.3	6660.7	6824.5	6956.0	7020.6
5447.1	17.5°	5514.0	5634.0	5901.6	6256.9	6639.9	7006.7	7246.7	7366.7	7502.8	7565.1
5564.8	20°	5652.5	5800.1	6183.1	6699.9	7209.8	7599.7	7793.5	7825.8	7835.0	7841.9
5675.5	22.5°	5795.5	5993.9	6536.1	7258.2	7805.0	8074.9	8102.6	7964.2	7770.4	7680.4
5784.0	25°	5952.4	6215.4	6997.5	7874.2	8317.2	8349.5	8137.2	7800.4	7433.6	7265.1
5871.6	27.5°	6104.7	6471.5	7551.2	8462.5	8686.3	8402.6	7945.7	7468.2	7025.2	6847.6
5933.9	30°	6256.9	6764.5	8162.6	8977.0	8854.8	8271.1	7643.5	7110.6	6665.3	6478.4
5989.3	32.5°	6411.5	7106.0	8866.3	9348.5	8824.8	7991.9	7267.5	6709.1	6316.9	6120.8
6037.8	35°	6586.9	7525.9	9533.1	9551.5	8624.0	7581.2	6771.4	6229.2	5887.8	5730.9
6095.4	37.5°	6815.3	8058.8	10121.4	9602.3	8273.4	6979.1	6155.4	5661.7	5380.2	5308.7
6180.8	40°	7099.0	8700.2	10571.3	9521.5	7754.3	6247.7	5481.7	5087.2	4928.0	4944.2
6296.2	42.5°	7468.2	9417.7	10887.3	9313.9	7032.1	5493.3	4891.1	4715.8	4791.9	4856.5
6469.2	45°	7948.1	10162.9	11083.4	8960.9	6215.4	4854.2	4542.7	4584.3	4641.9	4648.9
6748.4	47.5°	8561.8	10917.3	11212.6	8427.9	5382.5	4404.3	4321.3	4330.5	4318.9	4270.5
7165.9	50°	9327.7	11651.0	11328.0	7722.0	4674.2	4122.8	4012.1	3979.8	3820.6	3663.7
7722.0	52.5°	10199.8	12324.7	11376.4	6845.2	4122.8	3887.5	3707.6	3504.5	3206.9	3158.5
8421.0	55°	11168.8	12947.6	11251.9	5767.8	3659.1	3585.3	3313.0	3068.5	3036.2	2994.7
9341.6	57.5°	12327.0	13619.0	10998.1	4565.8	3183.8	3232.3	2967.0	2994.7	2937.0	2872.4
10525.1	60°	13593.6	14313.4	10552.8	3469.9	2692.4	2791.6	2877.0	2874.7	2858.5	2805.5
11773.3	62.5°	14733.3	14770.2	9676.1	2657.8	2261.0	2450.2	2683.2	2680.9	2667.0	2637.0
13076.8	65°	15411.6	14701.0	8213.4	2092.6	1905.7	2168.7	2420.2	2438.6	2440.9	2438.6
14057.3	67.5°	15291.6	13891.2	6206.2	1665.7	1612.7	1882.6	2159.5	2184.9	2203.3	2207.9
14181.9	70°	13935.1	12112.4	4046.7	1328.9	1352.0	1631.1	1912.6	1938.0	1954.1	1972.6
12306.2	72.5°	10862.0	8905.5	2316.4	1075.1	1123.6	1414.3	1668.1	1698.0	1707.3	1741.9
8564.1	75°	6619.2	5237.2	1250.5	846.7	922.9	1208.9	1425.8	1460.4	1476.6	1518.1
4205.9	77.5°	3146.9	2267.9	712.9	659.8	742.9	987.5	1204.3	1243.5	1199.7	1222.8
1160.5	80°	1063.6	842.1	449.9	503.0	567.6	770.6	964.4	1003.6	911.3	906.7
385.3	82.5°	371.4	341.5	286.1	334.5	366.8	551.4	729.1	779.8	678.3	676.0
173.0	85°	145.3	138.4	159.2	182.3	219.2	339.1	479.9	505.3	417.6	336.8
50.8	87.5°	30.0	32.3	39.2	41.5	66.9	117.7	173.0	212.3	168.4	143.0
0.0	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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180°
4974.2
5161.0
5433.3
5747.1
6104.7
6513.0
7016.0
7562.8
7860.4
7705.8
7290.5
6868.3
6499.2
6146.2
5765.5
5359.5
4999.5
4916.5
4695.0
4307.4
3684.5
3174.6
3001.6
2860.8
2787.0
2625.5
2438.6
2212.5
1981.8
1755.7
1522.7
1204.3
897.5
643.7
332.2
131.5
0.0