

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: P851306

Luminaire Tested: **GLAN-SB9B-722-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851306
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-SB9B-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39740 lumens
Efficiency: N/A
Efficacy: 120.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

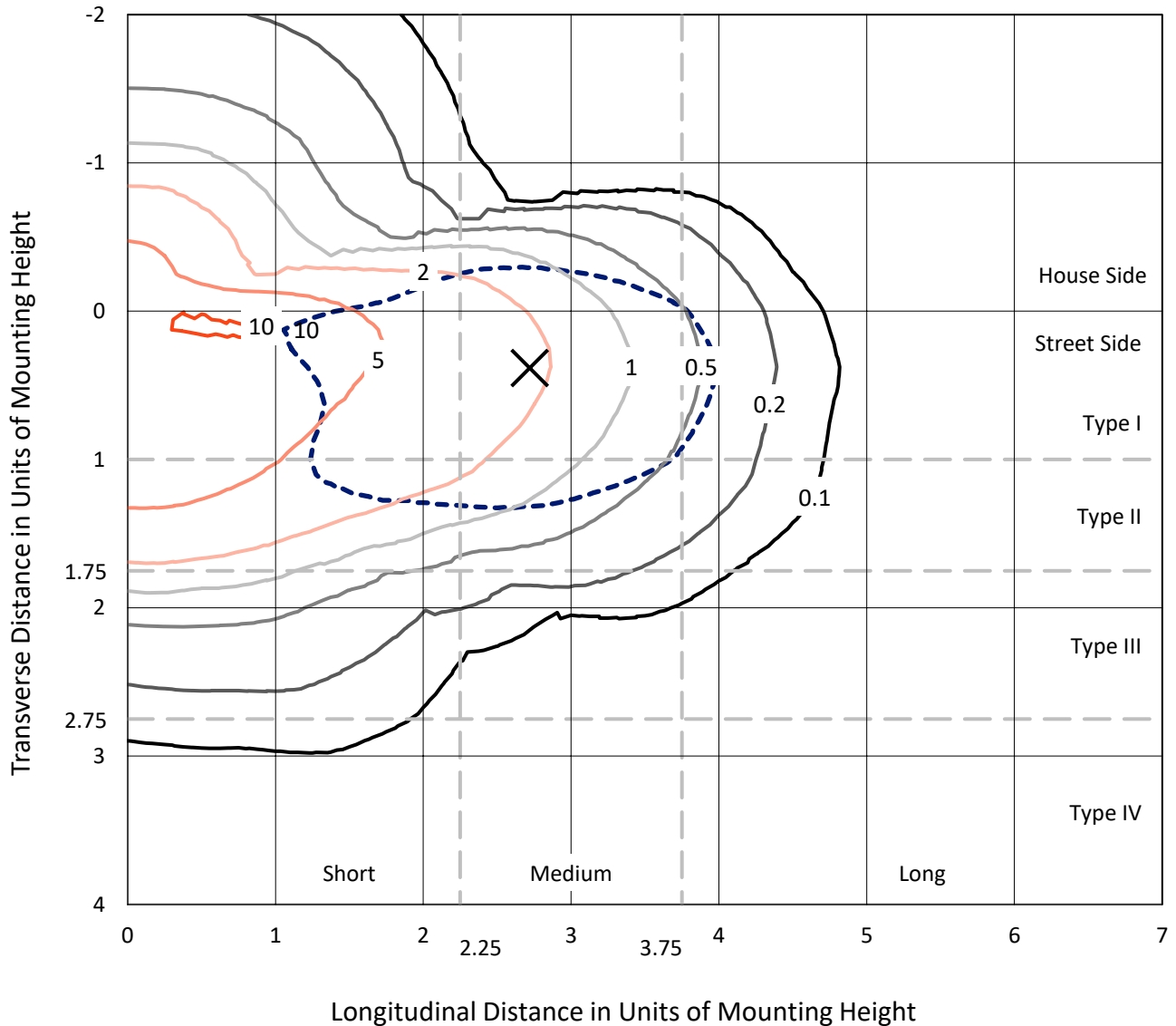
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

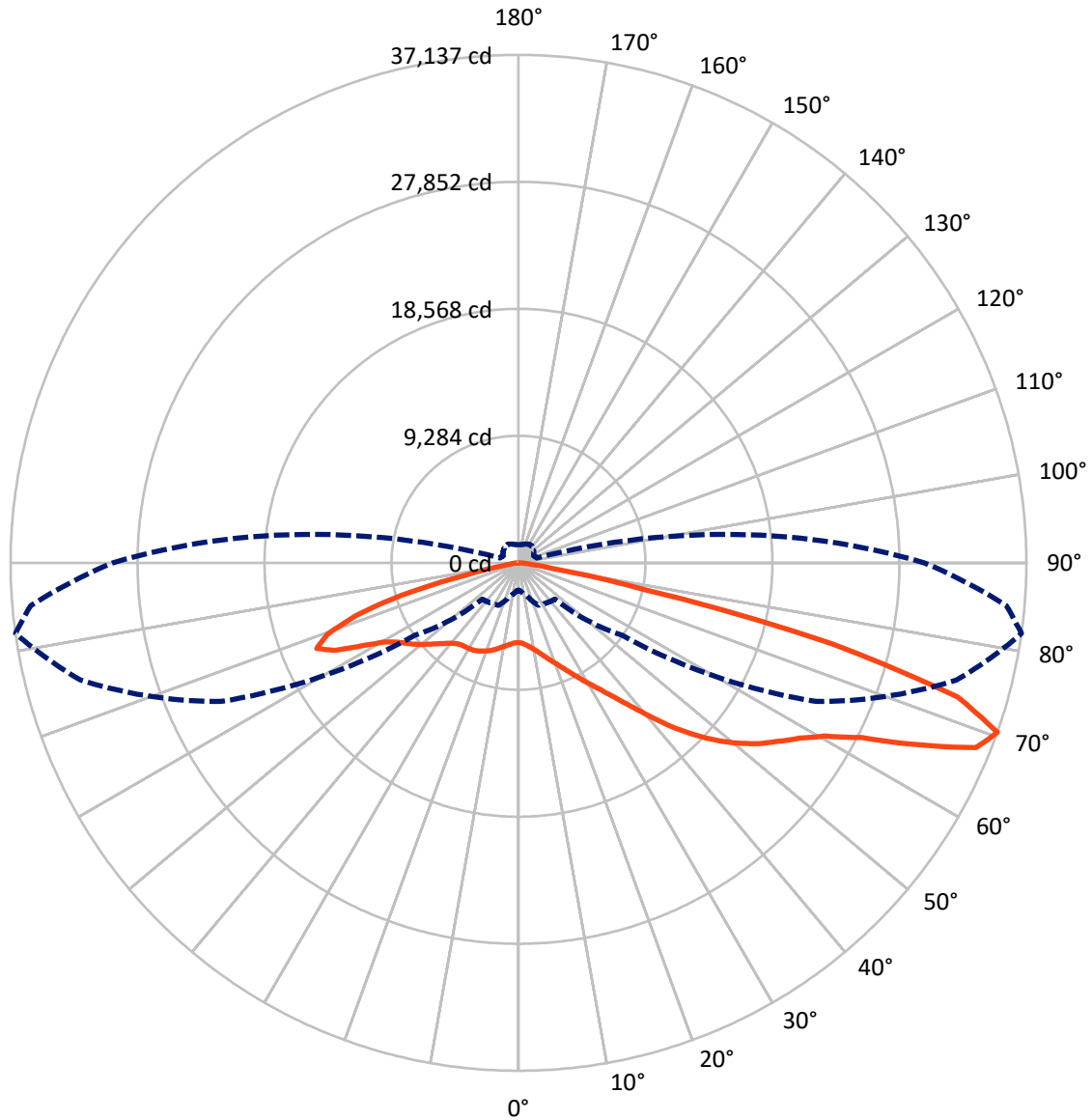
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.6 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	9796.9	0.0	9796.9
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	29943.1	0.0	29943.1
	% Fixture	75.3	0.0	75.3
Total	Lumens	39740.0	0.0	39740.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	550.1	1.4
10°-20°	1580.5	4.0
20°-30°	2644.0	6.7
30°-40°	4130.7	10.4
40°-50°	6578.6	16.6
50°-60°	9154.9	23.0
60°-70°	9576.4	24.1
70°-80°	5005.1	12.6
80°-90°	519.7	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°	39740.0	100.0
0°-180°	39740.0	100.0

Coefficient of Utilization

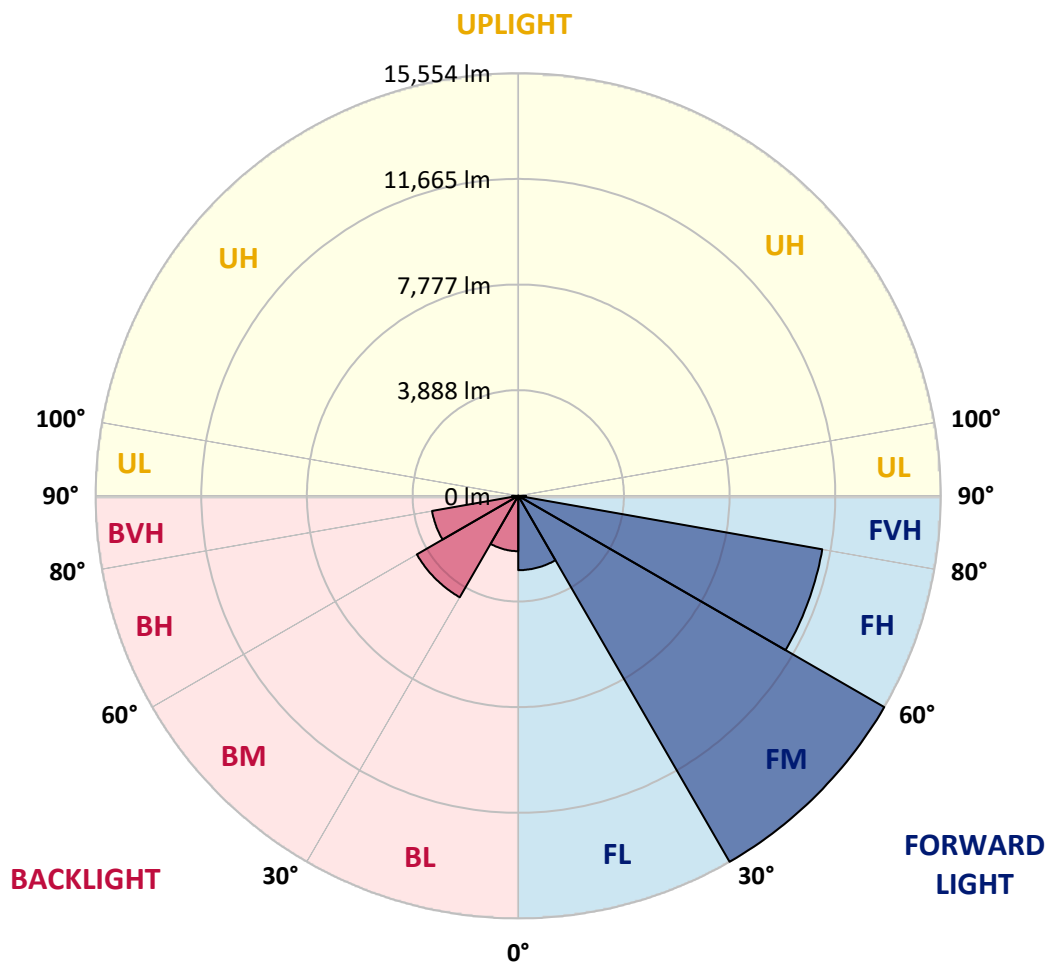


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2736.5	6.9			
FM (30°-60°)	15553.8	39.1			
FH (60°-80°)	11361.8	28.6			G4/12000
FVH (80°-90°)	290.9	0.7			G3/500
BL (0°-30°)	2038.1	5.1	B3/2500		
BM (30°-60°)	4310.2	10.8	B3/5000		
BH (60°-80°)	3219.7	8.1	B4/5000		G4/5000
BVH (80°-90°)	228.8	0.6			G3/500
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°	5826.4	5826.4	5826.4	5826.4	5826.4	5826.4	5826.4	5826.4	5826.4	5826.4
2.5°	5965.6	5999.3	5988.8	5978.2	5978.2	5963.4	5961.3	5940.3	5923.4	5896.0
5°	6041.5	6077.3	6073.1	6081.5	6108.9	6115.3	6121.6	6108.9	6075.2	6041.5
7.5°	5974.0	6014.1	6026.7	6077.3	6161.7	6237.6	6294.5	6317.7	6286.1	6237.6
10°	5746.2	5790.5	5834.8	5955.0	6104.7	6284.0	6435.8	6526.5	6520.1	6473.8
12.5°	5284.4	5330.8	5425.7	5659.8	5933.9	6250.2	6532.8	6722.6	6788.0	6754.2
15°	4915.4	4955.5	5027.2	5267.6	5623.9	6104.7	6568.6	6937.7	7104.3	7085.3
17.5°	4904.9	4921.7	4966.0	5079.9	5354.0	5877.0	6530.7	7148.5	7467.0	7464.9
20°	5090.4	5096.8	5122.1	5145.3	5301.3	5704.1	6433.7	7323.6	7873.9	7873.9
22.5°	5347.7	5343.5	5368.8	5347.7	5423.6	5689.3	6372.5	7477.5	8327.3	8361.1
25°	5733.6	5712.5	5706.2	5657.7	5672.4	5826.4	6440.0	7652.5	8865.0	8934.6
27.5°	6248.1	6214.4	6191.2	6079.4	6041.5	6108.9	6646.7	7863.4	9463.9	9584.1
30°	6918.7	6857.5	6823.8	6629.8	6492.7	6503.3	6958.8	8143.9	10090.2	10284.2
32.5°	7833.9	7739.0	7648.3	7329.9	7079.0	6996.7	7361.5	8531.9	10769.2	11079.2
35°	8858.7	8782.8	8685.8	8194.5	7808.6	7618.8	7905.6	9073.8	11564.2	12055.5
37.5°	9845.6	9780.2	9826.6	9164.5	8666.8	8390.6	8618.3	9801.3	12544.7	13270.1
40°	10866.2	10815.6	10821.9	10189.3	9609.4	9299.4	9482.9	10714.4	13668.7	14714.6
42.5°	11975.4	11937.4	11810.9	11250.0	10598.4	10309.5	10478.2	11768.7	14874.9	16359.4
45°	13217.4	13194.2	13076.1	12433.0	11686.5	11361.8	11589.5	12932.8	16087.4	17907.2
47.5°	14290.8	14309.7	14295.0	13753.0	12979.1	12502.6	12774.6	14147.4	17215.6	19362.2
50°	14807.4	14906.5	15052.0	14883.3	14402.5	13917.5	13970.2	15319.8	18291.0	20726.6
52.5°	14537.5	14725.2	15121.6	15391.5	15577.1	15475.9	15334.6	16483.8	19303.2	21958.1
55°	13531.6	13795.2	14453.1	15104.7	16051.5	16787.5	16973.1	17774.4	20290.1	23041.9
57.5°	11699.2	12127.2	12717.7	14035.6	15629.8	17422.2	18883.5	19564.7	21336.0	24199.6
60°	8557.2	9130.7	9864.6	11825.7	14153.7	17082.7	20509.4	22314.4	22822.6	25698.9
62.5°	5476.3	5830.6	6505.4	8352.6	11028.6	15343.0	21007.0	25751.6	25342.5	28157.7
65°	3749.3	3977.0	4594.9	5632.4	7129.6	11420.8	19674.3	28328.5	29344.9	32054.6
67.5°	2724.5	2897.4	3424.6	4333.4	4645.5	6758.4	15267.1	28210.4	33235.5	36069.6
70°	1986.4	2108.7	2551.5	3424.6	3574.3	3759.8	9248.8	23980.3	33151.1	37136.6
72.5°	1471.9	1556.2	1853.6	2657.0	2893.2	2538.9	4578.0	17428.5	28486.6	33589.7
75°	1064.9	1128.2	1347.5	2032.8	2315.4	1933.7	2283.7	10185.1	19870.4	23628.2
77.5°	814.0	862.5	1005.9	1488.8	1853.6	1450.8	1417.1	4685.6	9421.7	9468.1
80°	653.7	685.3	763.4	1048.0	1421.3	1086.0	923.6	1891.5	2977.5	2519.9
82.5°	480.8	533.5	645.3	735.9	1016.4	748.6	563.0	955.2	1132.4	974.2
85°	274.1	310.0	390.1	527.2	649.5	457.6	322.6	423.9	527.2	432.3
87.5°	97.0	126.5	137.1	206.7	282.6	189.8	124.4	122.3	172.9	128.6
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°
5826.4	0°	5826.4	5826.4	5826.4	5826.4	5826.4	5826.4	5826.4	5826.4	5826.4	5826.4
5889.6	2.5°	5868.6	5858.0	5815.8	5758.9	5699.9	5642.9	5623.9	5583.9	5556.5	5541.7
6026.7	5°	5986.6	5952.9	5853.8	5727.3	5594.4	5451.0	5349.8	5257.0	5189.5	5126.3
6214.4	7.5°	6155.3	6096.3	5925.5	5704.1	5467.9	5229.6	5052.5	4917.5	4826.8	4767.8
6433.7	10°	6351.5	6260.8	5999.3	5668.2	5303.4	4961.8	4753.0	4637.1	4580.1	4548.5
6684.6	12.5°	6577.1	6448.5	6075.2	5586.0	5052.5	4662.4	4519.0	4485.2	4487.3	4489.5
7000.9	15°	6855.4	6676.2	6136.4	5406.7	4725.6	4432.5	4407.2	4462.0	4519.0	4546.4
7359.4	17.5°	7169.6	6916.6	6146.9	5111.5	4405.1	4284.9	4365.0	4483.1	4569.6	4607.5
7760.1	20°	7507.0	7161.2	6071.0	4694.0	4141.5	4164.7	4308.1	4459.9	4554.8	4603.3
8217.7	22.5°	7892.9	7422.7	5889.6	4255.4	3926.4	4034.0	4202.7	4350.3	4449.4	4497.9
8755.4	25°	8333.6	7715.8	5605.0	3886.4	3740.9	3886.4	4055.1	4177.4	4257.5	4301.8
9356.4	27.5°	8822.9	8021.6	5225.4	3593.3	3578.5	3734.5	3873.7	3968.6	4010.8	4044.5
9995.3	30°	9314.2	8299.9	4765.7	3371.8	3437.2	3584.8	3683.9	3726.1	3738.8	3745.1
10708.1	32.5°	9845.6	8540.3	4282.8	3188.4	3302.2	3439.3	3498.4	3517.3	3458.3	3418.2
11572.6	35°	10488.8	8797.6	3810.4	3042.9	3169.4	3287.5	3306.5	3289.6	3220.0	3137.8
12656.5	37.5°	11283.7	9118.1	3433.0	2939.5	3045.0	3123.0	3099.8	3095.6	3101.9	3004.9
13959.7	40°	12258.0	9535.6	3156.7	2859.4	2943.8	2960.6	2895.3	2931.1	2962.7	2815.1
15389.4	42.5°	13339.7	10039.6	2981.7	2804.6	2859.4	2819.4	2718.1	2758.2	2754.0	2560.0
16825.4	45°	14442.6	10587.9	2920.6	2764.5	2781.4	2701.3	2589.5	2600.0	2511.5	2336.5
18202.4	47.5°	15539.1	11176.2	2958.5	2730.8	2684.4	2593.7	2507.3	2460.9	2330.1	2199.4
19522.5	50°	16614.6	11794.0	3097.7	2663.3	2551.5	2498.8	2435.6	2353.3	2214.2	2102.4
20770.8	52.5°	17612.0	12416.1	3253.7	2551.5	2385.0	2416.6	2376.5	2281.6	2144.6	2030.7
21951.7	55°	18556.7	13038.2	3314.9	2397.6	2228.9	2344.9	2321.7	2146.7	1982.2	1889.4
23187.4	57.5°	19585.7	13786.8	3247.4	2201.5	2102.4	2262.7	2174.1	1980.1	1885.2	1815.6
24796.4	60°	21011.2	14961.3	3101.9	1959.0	1982.2	2140.3	1988.5	1908.4	1805.1	1727.0
27208.8	62.5°	23379.3	17152.3	2867.9	1718.6	1840.9	1959.0	1900.0	1819.8	1714.4	1638.5
31333.4	65°	26879.8	20197.3	2427.1	1530.9	1682.8	1781.9	1805.1	1724.9	1615.3	1535.1
34947.7	67.5°	29832.0	22107.8	1836.7	1374.9	1520.4	1638.5	1703.8	1625.8	1509.8	1431.8
35793.3	70°	29669.6	20720.2	1402.3	1220.9	1377.0	1497.2	1581.5	1520.4	1396.0	1322.2
32512.2	72.5°	26352.6	17333.6	1134.5	1064.9	1231.5	1349.6	1450.8	1404.4	1277.9	1206.2
23817.9	75°	19360.1	12304.4	906.7	906.7	1050.1	1195.6	1307.4	1277.9	1161.9	1111.3
9999.5	77.5°	8160.7	5162.1	710.6	752.8	873.0	1026.9	1166.1	1176.7	1075.4	1138.7
2644.3	80°	2169.9	1423.4	541.9	592.5	685.3	847.7	1014.3	1010.1	900.4	841.4
982.7	82.5°	826.6	560.9	385.9	417.5	495.5	649.5	803.4	828.7	719.1	622.1
385.9	85°	318.4	240.4	238.3	250.9	288.9	430.2	607.3	628.4	541.9	459.7
107.5	87.5°	82.2	71.7	88.6	84.3	132.8	229.8	347.9	360.6	331.1	191.9
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°
5826.4
5558.6
5151.6
4780.5
4556.9
4493.7
4544.3
4616.0
4616.0
4510.5
4314.4
4057.2
3759.8
3430.9
3142.0
3011.2
2819.4
2557.9
2342.8
2199.4
2094.0
2032.8
1881.0
1809.3
1722.8
1638.5
1539.4
1433.9
1328.5
1206.2
1096.5
1033.3
782.3
622.1
474.5
274.1
0.0

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