

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: P851085

Luminaire Tested: **GLAN-SB8D-927-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851085
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8D-927-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38695 lumens
Efficiency: N/A
Efficacy: 66.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

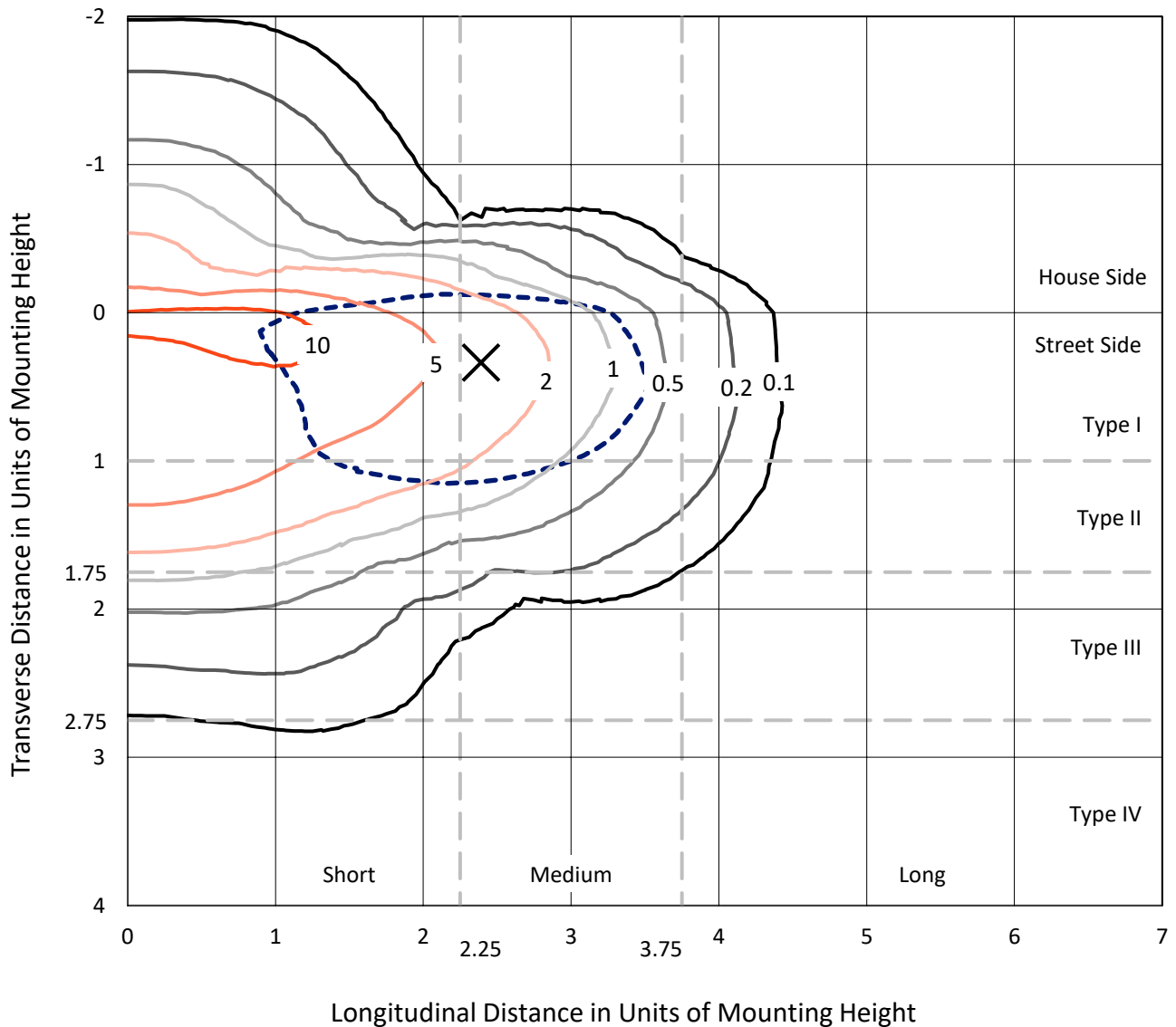
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

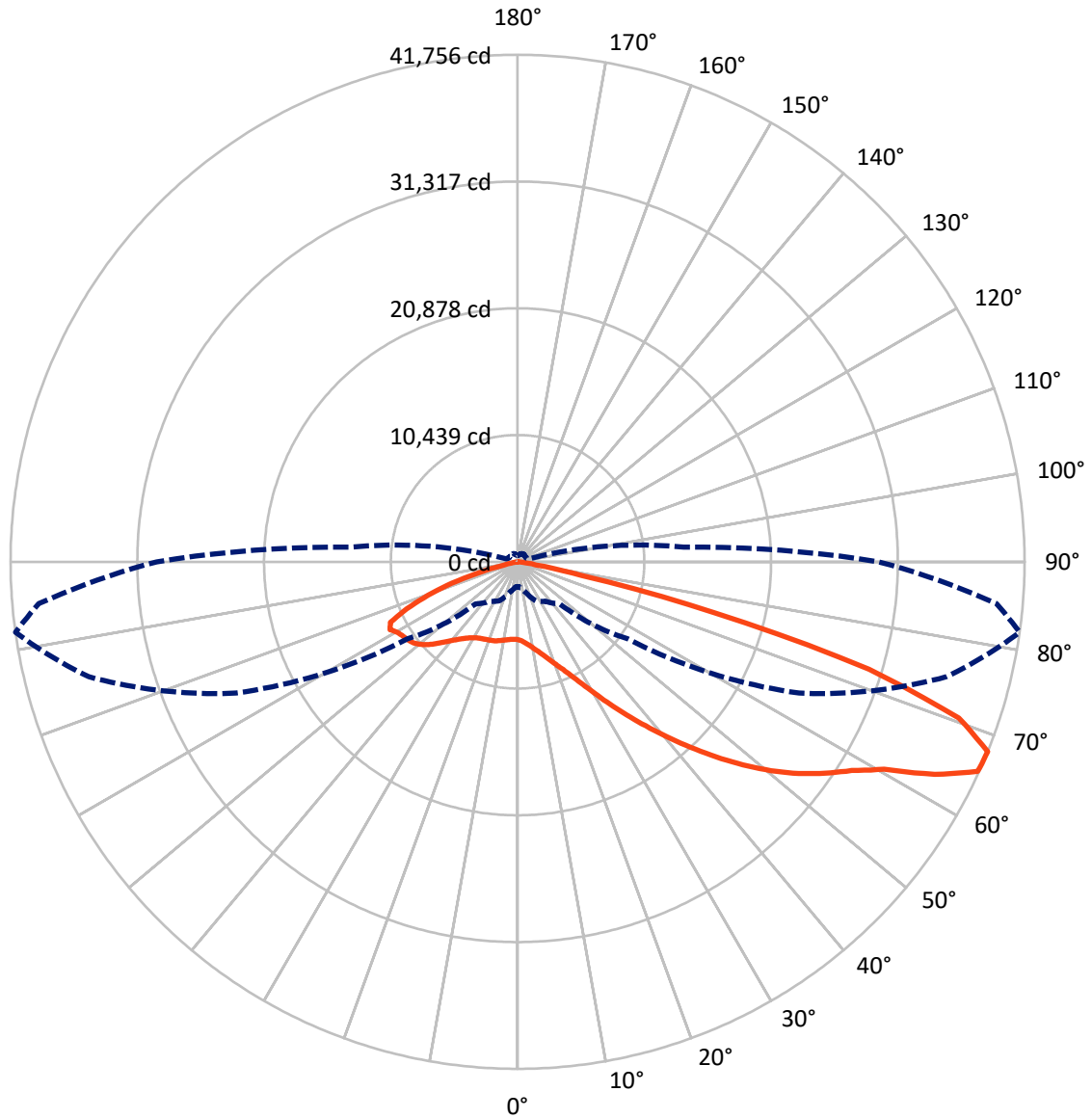
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7009.3	0.0	7009.3
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	31685.7	0.0	31685.7
	% Fixture	81.9	0.0	81.9
Total	Lumens	38695.0	0.0	38695.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	571.1	1.5
10°-20°	1484.1	3.8
20°-30°	2377.1	6.1
30°-40°	4203.4	10.9
40°-50°	7364.8	19.0
50°-60°	9822.6	25.4
60°-70°	9144.3	23.6
70°-80°	3509.6	9.1
80°-90°	218.0	0.6
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°	38695.0	100.0
0°-180°	38695.0	100.0

Coefficient of Utilization

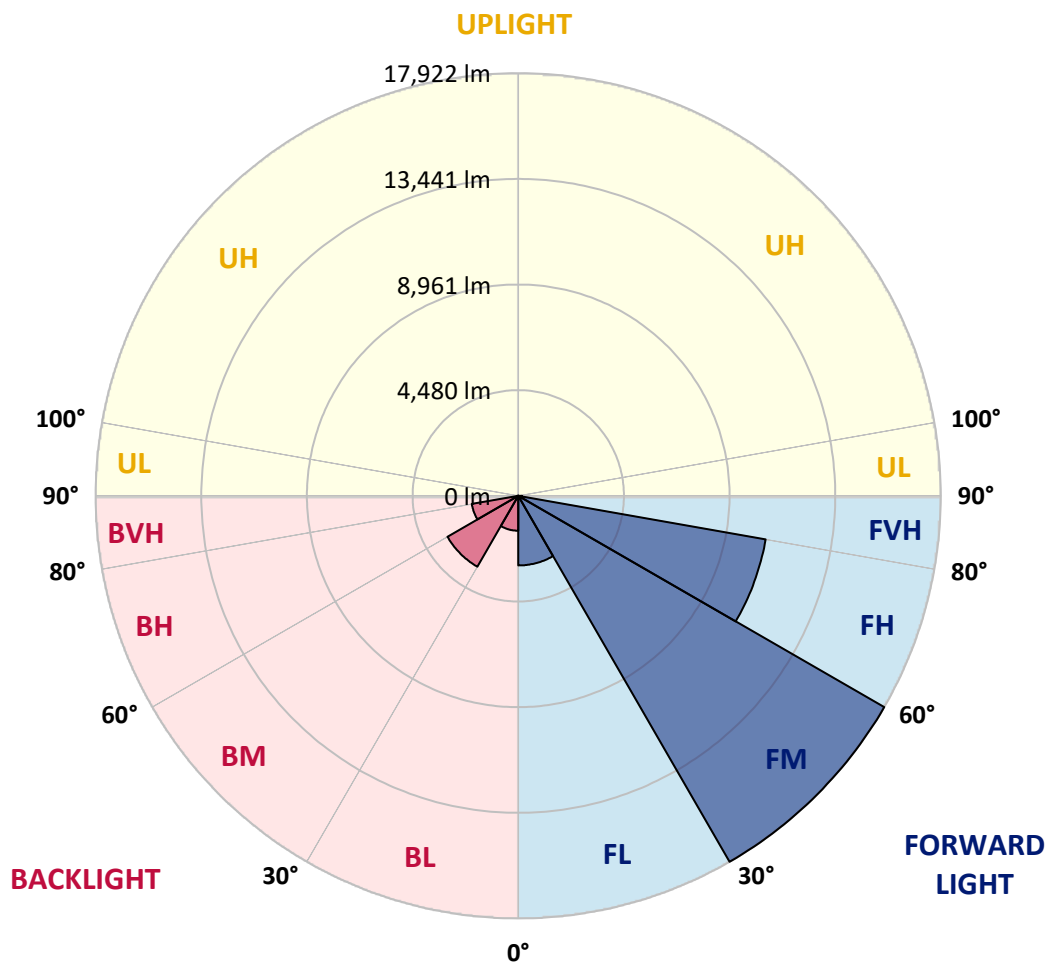


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2952.0	7.6			
FM (30°-60°)	17921.9	46.3			
FH (60°-80°)	10653.3	27.5			G4/12000
FVH (80°-90°)	158.5	0.4			G2/225
BL (0°-30°)	1480.3	3.8	B3/2500		
BM (30°-60°)	3468.8	9.0	B3/5000		
BH (60°-80°)	2000.6	5.2	B3/2500		G3/2500
BVH (80°-90°)	59.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	6410.5	6410.5	6410.5	6410.5	6410.5	6410.5	6410.5	6410.5	6410.5	6410.5
2.5°	6775.4	6814.4	6792.1	6781.0	6761.5	6733.6	6711.3	6641.7	6569.3	6521.9
5°	6911.9	6950.9	6948.1	6959.3	6973.2	6981.6	6976.0	6898.0	6794.9	6714.1
7.5°	6794.9	6839.5	6875.7	6931.4	7028.9	7132.0	7182.2	7165.4	7059.6	6948.1
10°	6463.4	6510.7	6597.1	6728.0	6934.2	7157.1	7343.7	7430.1	7363.2	7240.7
12.5°	5856.0	5903.4	6073.4	6357.5	6703.0	7090.2	7446.8	7678.1	7694.8	7572.2
15°	5173.5	5220.9	5401.9	5758.5	6285.1	6906.3	7502.5	7939.9	8087.6	7981.7
17.5°	4750.0	4791.8	4928.3	5215.3	5764.1	6538.6	7483.0	8218.5	8555.6	8472.0
20°	4621.9	4658.1	4722.2	4922.8	5379.7	6156.9	7354.9	8480.4	9059.9	9012.5
22.5°	4758.4	4791.8	4811.3	4900.5	5187.4	5906.2	7193.3	8747.9	9644.9	9650.5
25°	5073.2	5106.6	5084.3	5140.1	5265.4	5828.2	7132.0	9062.7	10380.4	10441.7
27.5°	5591.4	5594.2	5541.2	5538.5	5558.0	5945.2	7196.1	9399.8	11308.1	11422.4
30°	6630.5	6588.8	6385.4	6165.3	6065.0	6296.2	7374.4	9798.2	12403.0	12606.4
32.5°	8232.5	8171.2	7797.9	7271.3	6742.0	6861.8	7694.8	10252.3	13595.4	13963.1
35°	9970.9	9954.2	9564.1	8781.3	7856.4	7666.9	8215.7	10848.5	14896.4	15481.5
37.5°	11586.7	11578.4	11355.5	10433.4	9307.8	8789.6	9051.5	11628.5	16289.4	17136.3
40°	13063.3	13088.4	12865.5	12040.8	10907.0	10230.0	10188.2	12592.5	17838.4	18938.8
42.5°	14339.2	14367.1	14141.4	13531.3	12486.6	11823.5	11583.9	13773.7	19351.2	20875.1
45°	15205.7	15378.4	15345.0	14857.4	14108.0	13419.9	13261.1	15255.8	21075.6	22928.3
47.5°	15450.8	15609.6	15860.4	15927.2	15470.3	14793.4	14982.8	17041.6	22819.6	24984.3
50°	14846.3	14993.9	15514.9	16208.6	16526.2	16317.3	16657.1	18955.5	24605.4	27034.8
52.5°	13653.9	13804.3	14461.8	15559.5	16854.9	17512.4	18337.1	20841.6	26335.5	28976.6
55°	11929.4	12088.2	12932.3	14174.9	16228.1	18005.5	19738.4	22724.9	27920.7	30723.4
57.5°	9583.6	9700.6	10578.2	12316.6	14651.3	17515.2	20772.0	24781.0	29414.0	32439.5
60°	6246.1	6349.2	7368.8	9307.8	12038.1	15877.1	20978.1	27073.8	31397.6	34671.0
62.5°	4153.8	4223.5	4828.0	6251.7	8477.6	12731.8	19771.8	28904.1	34306.1	38554.6
65°	2850.0	2919.7	3524.2	4516.0	5477.2	8421.9	16303.3	28661.8	36941.6	41638.7
67.5°	2033.7	2092.2	2604.9	3540.9	3964.4	4892.1	11051.8	25563.8	36562.7	41755.7
70°	1457.0	1490.5	1913.9	2758.1	3150.9	2939.2	6145.8	19551.7	32013.3	38557.4
72.5°	1019.7	1030.8	1328.9	2100.6	2538.0	2145.2	2925.2	13035.4	24212.6	30263.7
75°	690.9	704.8	894.3	1540.6	2036.5	1638.1	1549.0	6989.9	14213.9	16751.9
77.5°	423.5	429.0	576.7	1053.1	1523.9	1248.1	997.4	2961.5	5499.4	5399.2
80°	239.6	239.6	367.7	654.7	1039.2	805.1	699.3	1259.2	1741.2	1529.5
82.5°	133.7	136.5	267.5	406.7	688.1	476.4	384.5	582.3	752.2	665.8
85°	55.7	61.3	164.4	192.2	328.7	236.8	156.0	245.2	278.6	247.9
87.5°	5.6	8.4	50.1	36.2	39.0	47.4	22.3	47.4	39.0	39.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
6410.5	0°	6410.5	6410.5	6410.5	6410.5	6410.5	6410.5	6410.5	6410.5	6410.5	6410.5
6505.2	2.5°	6452.2	6410.5	6304.6	6182.0	6020.4	5942.4	5836.5	5764.1	5702.8	5708.4
6666.8	5°	6577.6	6471.7	6234.9	5939.6	5571.9	5310.0	5031.4	4839.2	4683.2	4649.7
6889.6	7.5°	6750.3	6583.2	6168.1	5636.0	5014.7	4543.9	4123.2	3853.0	3660.7	3599.4
7159.9	10°	6973.2	6730.8	6081.7	5254.3	4360.0	3761.0	3309.7	3098.0	2967.0	2922.5
7477.5	12.5°	7232.3	6900.8	5967.5	4789.0	3685.8	3109.1	2822.2	2716.3	2674.5	2660.6
7867.5	15°	7558.3	7112.5	5794.8	4237.4	3114.7	2710.7	2588.1	2574.2	2579.8	2574.2
8335.5	17.5°	7945.5	7343.7	5513.4	3669.1	2730.2	2507.3	2462.8	2473.9	2487.8	2485.1
8859.3	20°	8369.0	7572.2	5154.0	3164.8	2468.3	2362.5	2337.4	2348.5	2359.7	2354.1
9463.8	22.5°	8850.9	7817.4	4755.6	2772.0	2292.8	2228.8	2200.9	2203.7	2203.7	2192.5
10230.0	25°	9427.6	8087.6	4337.7	2493.4	2159.1	2109.0	2075.5	2064.4	2047.7	2014.2
11160.5	27.5°	10115.8	8374.5	3936.5	2298.4	2053.2	2005.9	1966.9	1939.0	1897.2	1841.5
12277.6	30°	10890.2	8722.8	3596.7	2175.8	1969.7	1922.3	1877.7	1835.9	1774.6	1705.0
13562.0	32.5°	11801.2	9096.1	3348.7	2095.0	1894.4	1844.3	1791.4	1741.2	1674.4	1604.7
15005.1	35°	12887.8	9547.4	3203.8	2039.3	1835.9	1769.1	1710.6	1654.8	1604.7	1543.4
16573.6	37.5°	14066.2	10026.6	3159.3	2011.4	1796.9	1693.9	1627.0	1588.0	1582.4	1546.2
18270.2	40°	15356.1	10594.9	3192.7	1994.7	1755.1	1621.4	1549.0	1540.6	1554.6	1490.5
20083.9	42.5°	16721.2	11269.1	3248.4	1975.2	1696.6	1549.0	1479.3	1479.3	1468.2	1379.0
22000.6	45°	18197.8	12046.4	3304.1	1927.9	1627.0	1476.5	1423.6	1404.1	1356.8	1270.4
23928.5	47.5°	19685.5	12837.6	3345.9	1841.5	1543.4	1415.3	1367.9	1323.3	1253.7	1175.7
25820.1	50°	21097.9	13548.0	3301.3	1713.4	1448.7	1356.8	1306.6	1245.3	1170.1	1117.2
27611.5	52.5°	22360.0	14163.7	3111.9	1562.9	1348.4	1295.5	1250.9	1186.8	1125.5	1069.8
29227.3	55°	23457.6	14662.4	2777.6	1420.8	1259.2	1242.5	1198.0	1117.2	1033.6	986.2
30829.2	57.5°	24510.7	15041.3	2359.7	1303.8	1178.5	1184.0	1117.2	1044.7	966.7	916.6
32988.3	60°	25912.0	15548.3	1936.2	1195.2	1092.1	1108.8	1036.4	983.4	885.9	821.9
36690.9	62.5°	28151.9	16336.8	1537.8	1061.4	991.8	997.4	966.7	902.6	785.6	710.4
39435.0	65°	29929.4	16047.0	1211.9	916.6	877.6	885.9	885.9	816.3	690.9	604.5
39582.7	67.5°	29728.8	13740.3	966.7	774.5	768.9	774.5	794.0	735.5	612.9	543.3
36568.3	70°	27385.8	10929.2	774.5	643.6	668.6	654.7	710.4	671.4	551.6	482.0
28349.7	72.5°	22346.0	7873.1	590.6	532.1	512.6	534.9	640.8	604.5	459.7	381.7
15016.2	75°	13057.7	4201.2	440.2	420.7	370.5	445.8	568.3	515.4	351.0	281.4
4602.4	77.5°	4251.3	1465.4	323.2	309.2	275.8	359.4	484.8	434.6	287.0	222.9
1348.4	80°	1139.5	443.0	220.1	203.4	178.3	267.5	384.5	345.5	206.2	144.9
579.5	82.5°	456.9	186.7	128.2	114.2	97.5	183.9	303.7	278.6	153.2	91.9
181.1	85°	147.7	61.3	47.4	36.2	44.6	114.2	181.1	189.4	108.7	47.4
27.9	87.5°	19.5	8.4	8.4	11.1	8.4	19.5	55.7	52.9	30.6	5.6
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°
6410.5
5652.7
4574.5
3538.1
2889.0
2652.2
2571.4
2479.5
2351.3
2187.0
2008.7
1835.9
1699.4
1607.5
1537.8
1543.4
1493.3
1379.0
1267.6
1172.9
1108.8
1064.2
980.7
911.0
813.5
704.8
596.2
532.1
473.6
373.3
273.0
214.5
142.1
91.9
36.2
0.0
0.0

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