

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: P851405

Luminaire Tested: **GLAN-SB9B-840-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851405
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-SB9B-840-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 4000K, 450mA 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: 33307 lumens
Efficiency: N/A
Efficacy: 101.1 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

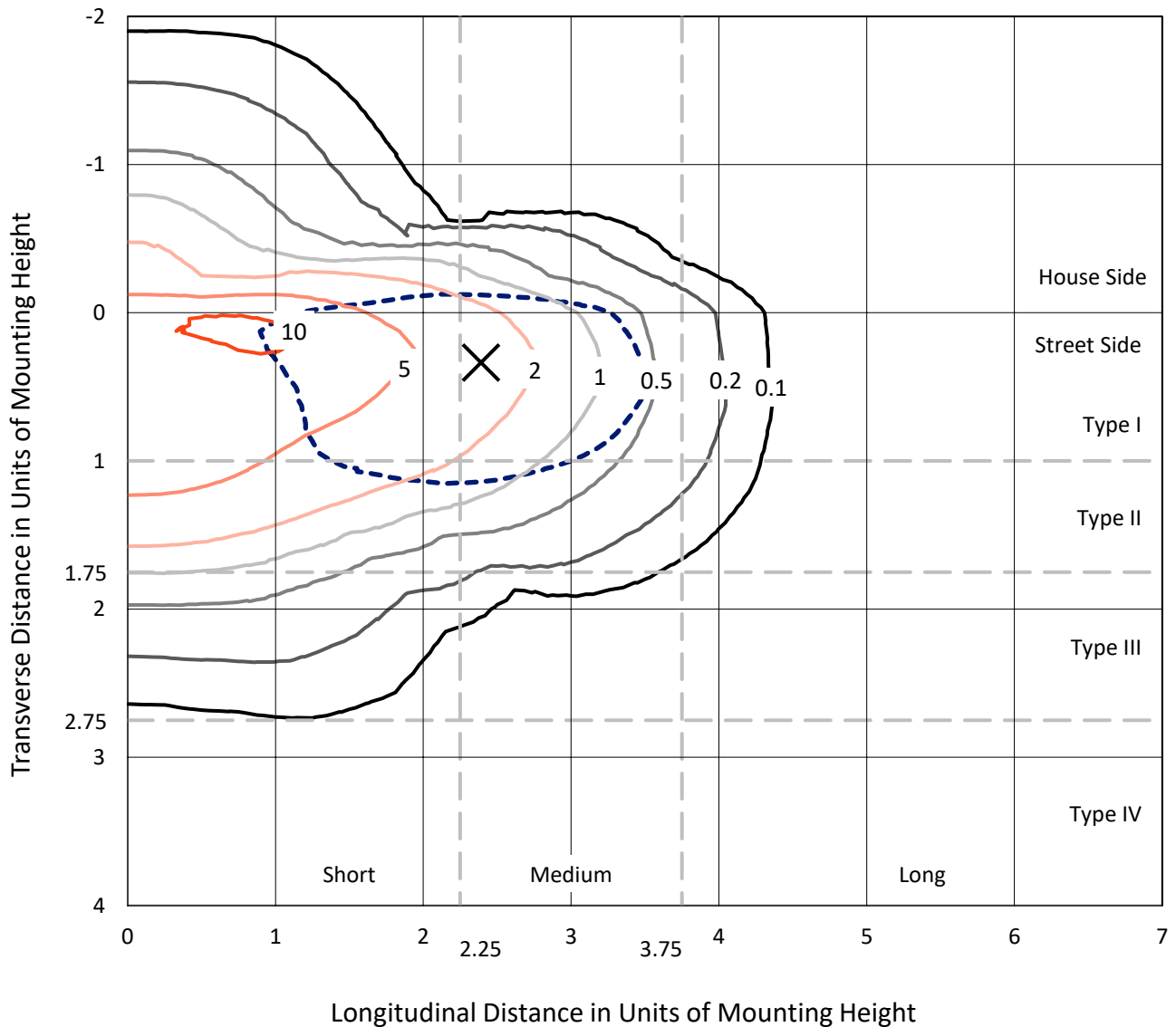
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

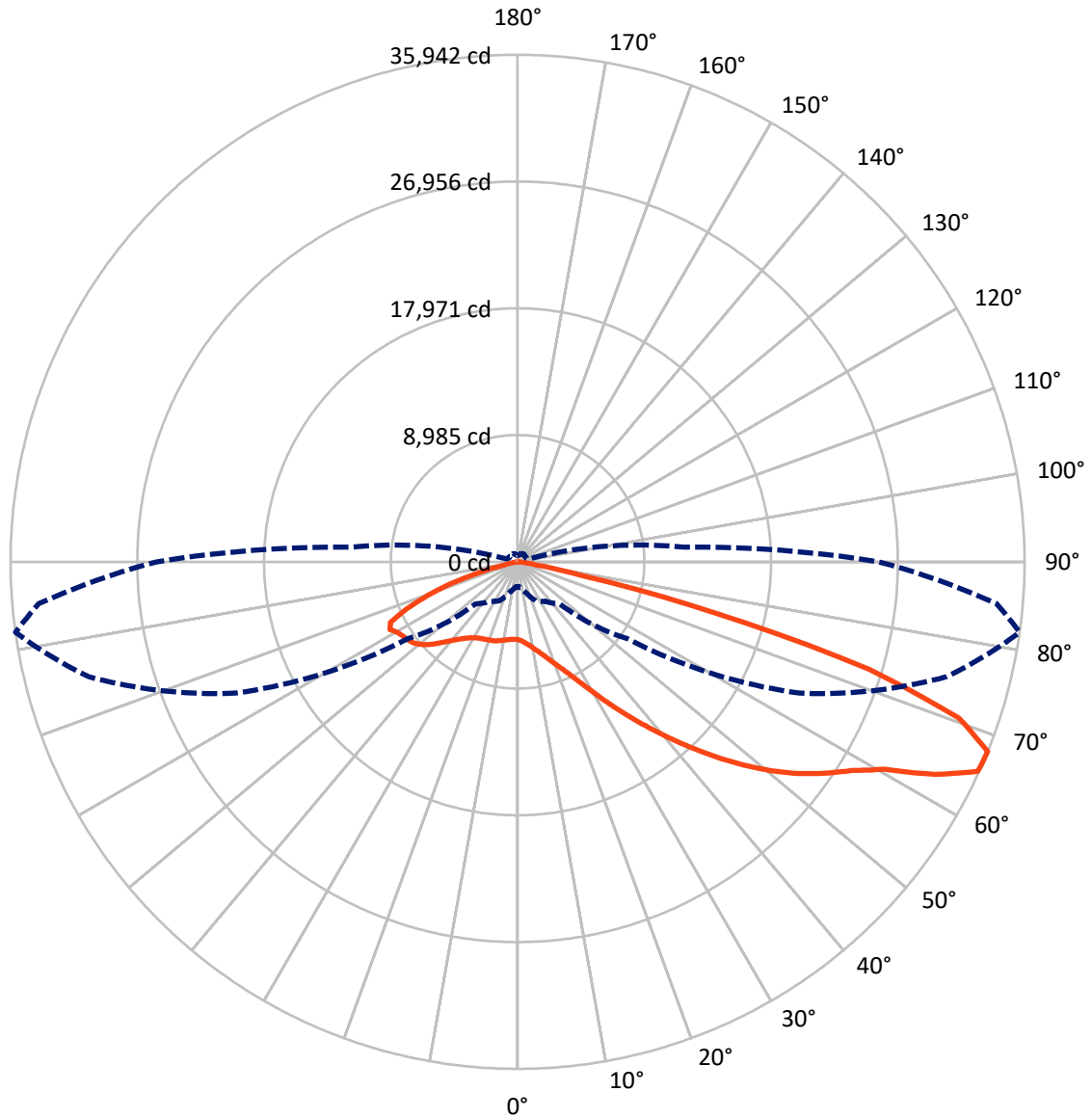
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.7 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	6033.3	0.0	6033.3
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	27273.7	0.0	27273.7
	% Fixture	81.9	0.0	81.9
Total	Lumens	33307.0	0.0	33307.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	491.6	1.5
10°-20°	1277.5	3.8
20°-30°	2046.1	6.1
30°-40°	3618.1	10.9
40°-50°	6339.3	19.0
50°-60°	8454.9	25.4
60°-70°	7871.0	23.6
70°-80°	3020.9	9.1
80°-90°	187.6	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°	33307.0	100.0
0°-180°	33307.0	100.0

Coefficient of Utilization

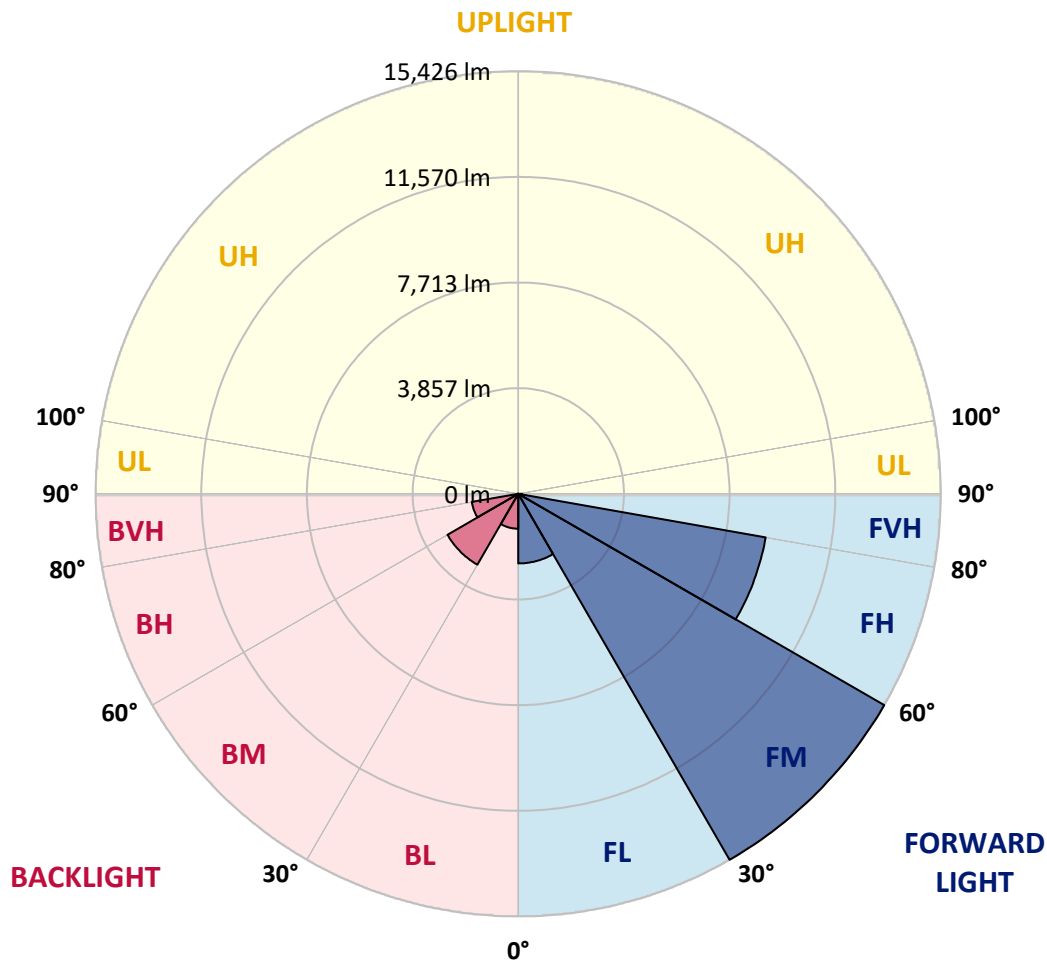


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2541.0	7.6			
FM (30°-60°)	15426.4	46.3			
FH (60°-80°)	9169.9	27.5			G4/12000
FVH (80°-90°)	136.4	0.4			G2/225
BL (0°-30°)	1274.2	3.8	B3/2500		
BM (30°-60°)	2985.8	9.0	B3/5000		
BH (60°-80°)	1722.0	5.2	B3/2500		G3/2500
BVH (80°-90°)	51.2	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°	5517.8	5517.8	5517.8	5517.8	5517.8	5517.8	5517.8	5517.8	5517.8	5517.8
2.5°	5832.0	5865.6	5846.4	5836.8	5820.0	5796.0	5776.8	5716.9	5654.5	5613.8
5°	5949.5	5983.1	5980.7	5990.3	6002.2	6009.4	6004.6	5937.5	5848.8	5779.2
7.5°	5848.8	5887.1	5918.3	5966.3	6050.2	6138.9	6182.1	6167.7	6076.6	5980.7
10°	5563.4	5604.2	5678.5	5791.2	5968.7	6160.5	6321.2	6395.5	6338.0	6232.5
12.5°	5040.6	5081.4	5227.7	5472.3	5769.6	6103.0	6409.9	6608.9	6623.3	6517.8
15°	4453.1	4493.9	4649.8	4956.7	5409.9	5944.7	6457.9	6834.4	6961.5	6870.3
17.5°	4088.6	4124.6	4242.1	4489.1	4961.5	5628.2	6441.1	7074.2	7364.3	7292.4
20°	3978.3	4009.5	4064.6	4237.3	4630.6	5299.6	6330.8	7299.6	7798.4	7757.6
22.5°	4095.8	4124.6	4141.4	4218.1	4465.1	5083.8	6191.7	7529.8	8301.9	8306.7
25°	4366.8	4395.6	4376.4	4424.3	4532.3	5016.7	6138.9	7800.8	8935.0	8987.8
27.5°	4812.8	4815.2	4769.7	4767.3	4784.0	5117.4	6194.1	8090.9	9733.6	9831.9
30°	5707.3	5671.3	5496.3	5306.8	5220.5	5419.5	6347.6	8433.8	10676.0	10851.0
32.5°	7086.1	7033.4	6712.1	6258.8	5803.2	5906.3	6623.3	8824.7	11702.3	12018.9
35°	8582.5	8568.1	8232.4	7558.6	6762.4	6599.3	7071.8	9337.9	12822.2	13325.8
37.5°	9973.4	9966.2	9774.3	8980.6	8011.8	7565.8	7791.2	10009.3	14021.2	14750.2
40°	11244.3	11265.9	11074.1	10364.2	9388.2	8805.5	8769.6	10839.0	15354.5	16301.7
42.5°	12342.6	12366.6	12172.3	11647.2	10747.9	10177.2	9971.0	11855.8	16656.6	17968.4
45°	13088.4	13237.1	13208.3	12788.6	12143.6	11551.3	11414.6	13131.6	18141.0	19735.7
47.5°	13299.4	13436.1	13651.9	13709.5	13316.2	12733.5	12896.5	14668.7	19642.2	21505.4
50°	12779.0	12906.1	13354.6	13951.7	14225.1	14045.2	14337.8	16316.1	21179.3	23270.4
52.5°	11752.7	11882.2	12448.1	13392.9	14508.0	15074.0	15783.8	17939.6	22668.5	24941.8
55°	10268.3	10405.0	11131.6	12201.1	13968.5	15498.4	16990.0	19560.6	24033.0	26445.4
57.5°	8249.2	8349.9	9105.3	10601.6	12611.2	15076.3	17879.6	21330.4	25318.3	27922.5
60°	5376.4	5465.1	6342.8	8011.8	10361.8	13666.3	18057.1	23304.0	27025.7	29843.4
62.5°	3575.4	3635.4	4155.8	5381.2	7297.2	10958.9	17018.7	24879.5	29529.2	33186.2
65°	2453.2	2513.1	3033.5	3887.2	4714.5	7249.2	14033.2	24670.8	31797.7	35840.8
67.5°	1750.6	1800.9	2242.1	3047.9	3412.4	4210.9	9512.9	22004.2	31471.6	35941.5
70°	1254.2	1282.9	1647.4	2374.0	2712.2	2529.9	5290.0	16829.3	27555.6	33188.6
72.5°	877.7	887.3	1143.9	1808.1	2184.6	1846.5	2517.9	11220.3	20841.2	26049.7
75°	594.7	606.7	769.8	1326.1	1753.0	1410.0	1333.3	6016.6	12234.7	14419.3
77.5°	364.5	369.3	496.4	906.5	1311.7	1074.3	858.5	2549.1	4733.7	4647.4
80°	206.2	206.2	316.5	563.5	894.5	693.0	601.9	1083.9	1498.8	1316.5
82.5°	115.1	117.5	230.2	350.1	592.3	410.1	330.9	501.2	647.5	573.1
85°	48.0	52.8	141.5	165.5	283.0	203.8	134.3	211.0	239.8	213.4
87.5°	4.8	7.2	43.2	31.2	33.6	40.8	19.2	40.8	33.6	33.6
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°
5517.8	0°	5517.8	5517.8	5517.8	5517.8	5517.8	5517.8	5517.8	5517.8	5517.8	5517.8
5599.4	2.5°	5553.8	5517.8	5426.7	5321.2	5182.1	5115.0	5023.9	4961.5	4908.7	4913.5
5738.5	5°	5661.7	5570.6	5366.8	5112.6	4796.0	4570.6	4330.8	4165.4	4031.1	4002.3
5930.3	7.5°	5810.4	5666.5	5309.2	4851.2	4316.4	3911.2	3549.1	3316.5	3151.0	3098.2
6162.9	10°	6002.2	5793.6	5234.9	4522.7	3752.9	3237.3	2848.8	2666.6	2553.9	2515.5
6436.3	12.5°	6225.3	5939.9	5136.6	4122.2	3172.6	2676.2	2429.2	2338.1	2302.1	2290.1
6772.0	15°	6505.8	6122.1	4987.9	3647.4	2681.0	2333.3	2227.8	2215.8	2220.6	2215.8
7174.9	17.5°	6839.2	6321.2	4745.7	3158.2	2350.1	2158.2	2119.8	2129.4	2141.4	2139.0
7625.7	20°	7203.7	6517.8	4436.3	2724.2	2124.6	2033.5	2011.9	2021.5	2031.1	2026.3
8146.1	22.5°	7618.5	6728.8	4093.4	2386.0	1973.6	1918.4	1894.4	1896.8	1896.8	1887.2
8805.5	25°	8114.9	6961.5	3733.7	2146.2	1858.5	1815.3	1786.5	1776.9	1762.5	1733.8
9606.5	27.5°	8707.2	7208.4	3388.4	1978.4	1767.3	1726.6	1693.0	1669.0	1633.1	1585.1
10568.1	30°	9373.9	7508.2	3095.8	1872.9	1695.4	1654.6	1616.3	1580.3	1527.5	1467.6
11673.6	32.5°	10158.0	7829.5	2882.4	1803.3	1630.7	1587.5	1541.9	1498.8	1441.2	1381.3
12915.7	35°	11093.2	8218.0	2757.7	1755.4	1580.3	1522.7	1472.4	1424.4	1381.3	1328.5
14265.8	37.5°	12107.6	8630.5	2719.4	1731.4	1546.7	1458.0	1400.4	1366.9	1362.1	1330.9
15726.2	40°	13217.9	9119.7	2748.1	1717.0	1510.8	1395.6	1333.3	1326.1	1338.1	1282.9
17287.3	42.5°	14392.9	9700.0	2796.1	1700.2	1460.4	1333.3	1273.3	1273.3	1263.8	1187.0
18937.2	45°	15663.9	10369.0	2844.1	1659.4	1400.4	1271.0	1225.4	1208.6	1167.8	1093.5
20596.6	47.5°	16944.4	11050.1	2880.0	1585.1	1328.5	1218.2	1177.4	1139.1	1079.1	1012.0
22224.8	50°	18160.2	11661.6	2841.7	1474.8	1247.0	1167.8	1124.7	1071.9	1007.2	961.6
23766.8	52.5°	19246.5	12191.5	2678.6	1345.3	1160.6	1115.1	1076.7	1021.6	968.8	920.8
25157.6	55°	20191.3	12620.8	2390.8	1223.0	1083.9	1069.5	1031.1	961.6	889.7	848.9
26536.5	57.5°	21097.8	12946.9	2031.1	1122.3	1014.4	1019.2	961.6	899.3	832.1	788.9
28394.9	60°	22304.0	13383.3	1666.6	1028.8	940.0	954.4	892.1	846.5	762.6	707.4
31581.9	62.5°	24232.0	14062.0	1323.7	913.6	853.7	858.5	832.1	777.0	676.2	611.5
33944.0	65°	25761.9	13812.6	1043.1	788.9	755.4	762.6	762.6	702.6	594.7	520.4
34071.1	67.5°	25589.3	11827.0	832.1	666.6	661.9	666.6	683.4	633.1	527.6	467.6
31476.4	70°	23572.5	9407.4	666.6	553.9	575.5	563.5	611.5	577.9	474.8	414.9
24402.2	72.5°	19234.5	6776.8	508.4	458.0	441.2	460.4	551.5	520.4	395.7	328.5
12925.3	75°	11239.5	3616.2	378.9	362.1	318.9	383.7	489.2	443.6	302.2	242.2
3961.5	77.5°	3659.4	1261.4	278.2	266.2	237.4	309.3	417.3	374.1	247.0	191.8
1160.6	80°	980.8	381.3	189.4	175.1	153.5	230.2	330.9	297.4	177.5	124.7
498.8	82.5°	393.3	160.7	110.3	98.3	83.9	158.3	261.4	239.8	131.9	79.1
155.9	85°	127.1	52.8	40.8	31.2	38.4	98.3	155.9	163.1	93.5	40.8
24.0	87.5°	16.8	7.2	7.2	9.6	7.2	16.8	48.0	45.6	26.4	4.8
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°
5517.8
4865.6
3937.5
3045.5
2486.7
2282.9
2213.4
2134.2
2023.9
1882.4
1729.0
1580.3
1462.8
1383.7
1323.7
1328.5
1285.3
1187.0
1091.1
1009.6
954.4
916.0
844.1
784.2
700.2
606.7
513.2
458.0
407.7
321.3
235.0
184.6
122.3
79.1
31.2
0.0
0.0

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