

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: P851165

Luminaire Tested: **GLAN-SB9A-735-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851165  
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-SB9A-735-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

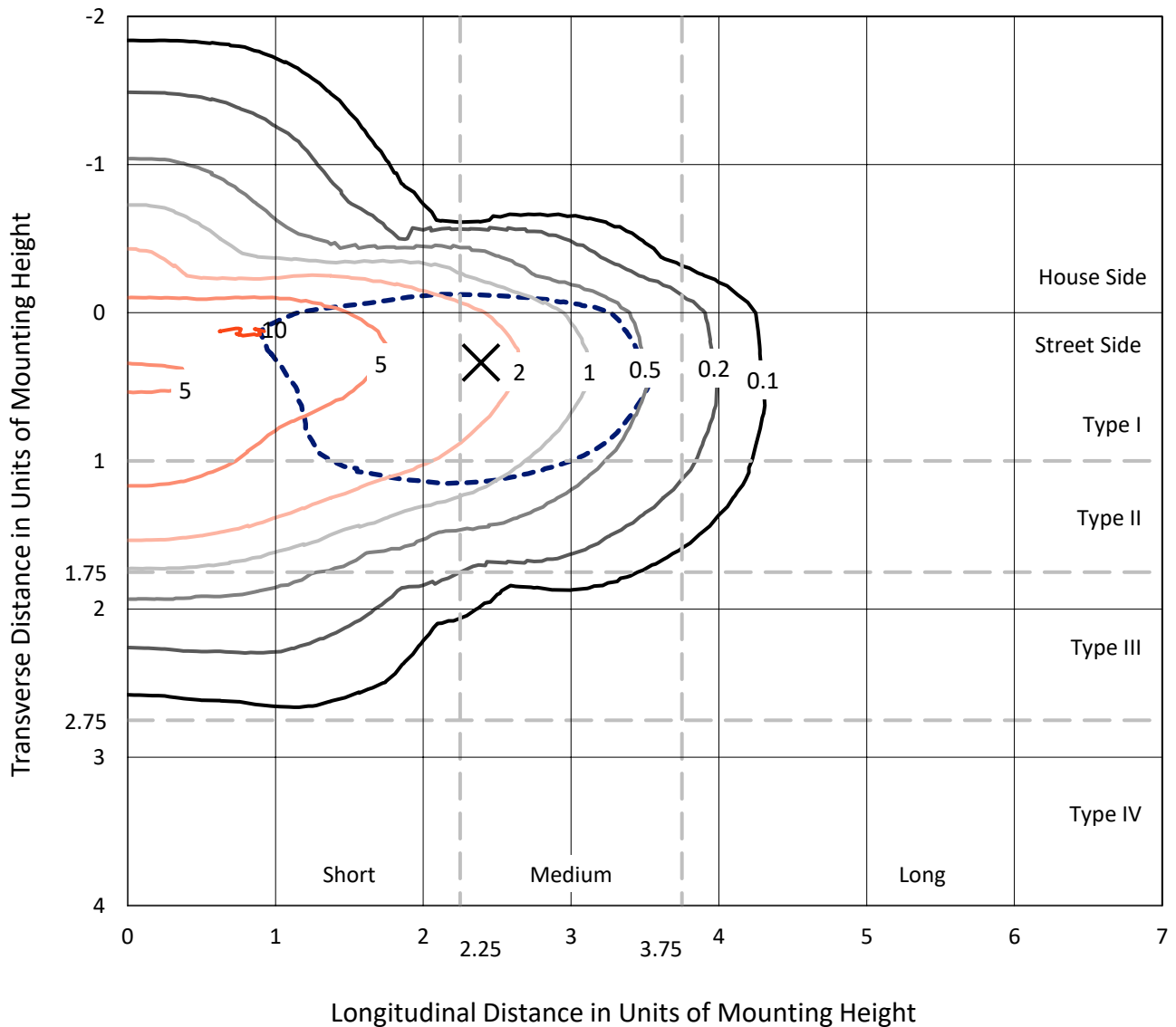
Lumens per Lamp: N/A  
Luminaire Lumens: 29278 lumens  
Efficiency: N/A  
Efficacy: 114.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 255.5  
Input Voltage (V): NR  
Input Current (Ain): 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

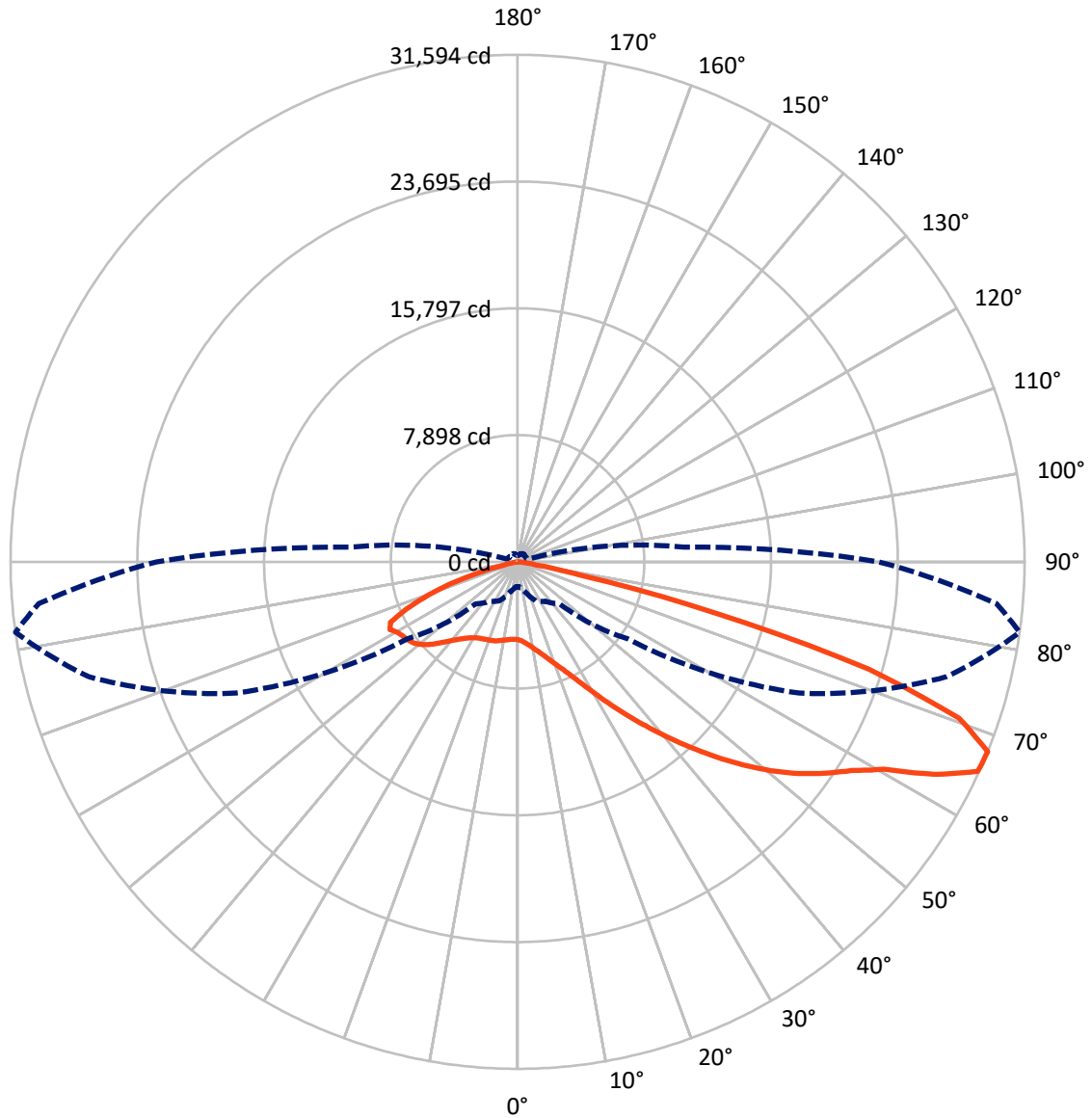
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 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
<b>House Side</b>	Lumens	5303.4	0.0	5303.4
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	23974.5	0.0	23974.5
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	29278.0	0.0	29278.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	432.1	1.5
10°-20°	1122.9	3.8
20°-30°	1798.6	6.1
30°-40°	3180.4	10.9
40°-50°	5572.5	19.0
50°-60°	7432.1	25.4
60°-70°	6918.9	23.6
70°-80°	2655.5	9.1
80°-90°	164.9	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°	29278.0	100.0
0°-180°	29278.0	100.0

**Coefficient of Utilization**

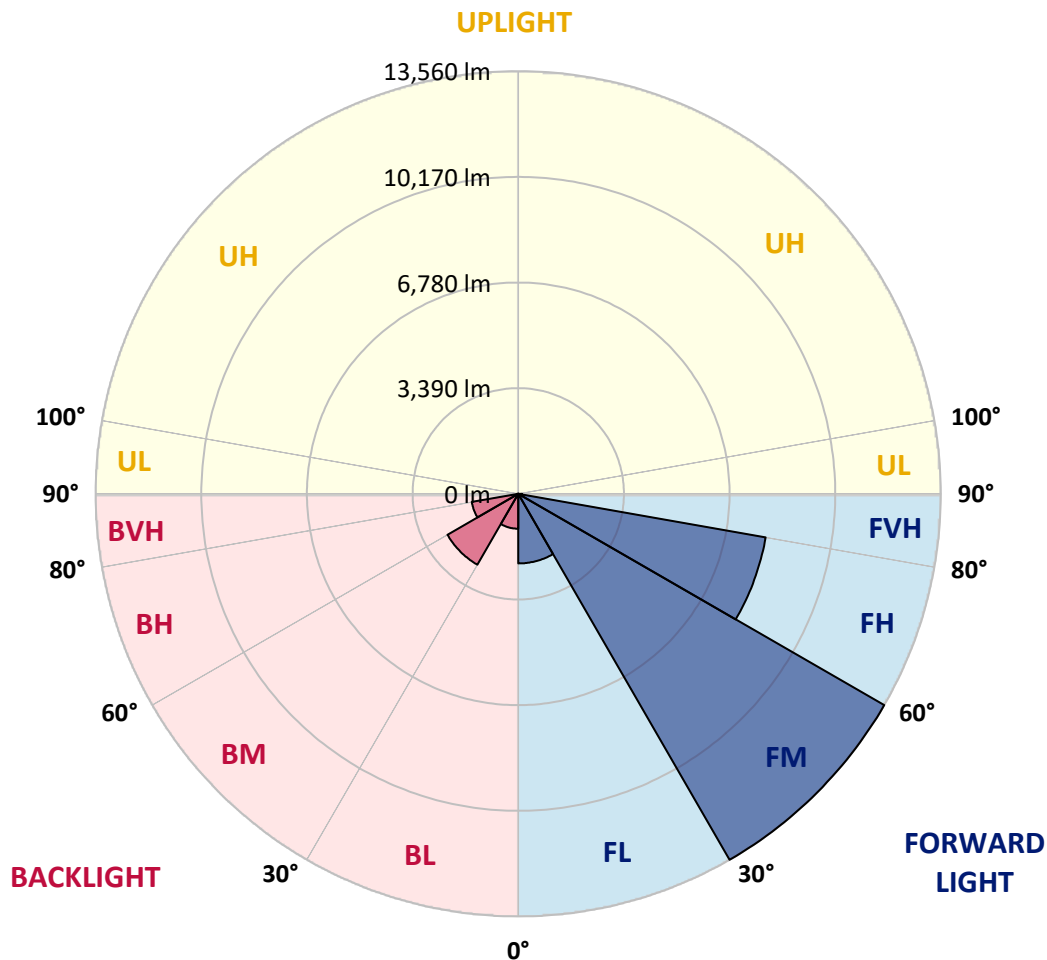


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2233.6	7.6			
FM (30°-60°)	13560.4	46.3			
FH (60°-80°)	8060.7	27.5			G4/12000
FVH (80°-90°)	119.9	0.4			G2/225
BL (0°-30°)	1120.1	3.8	B3/2500		
BM (30°-60°)	2624.6	9.0	B3/5000		
BH (60°-80°)	1513.7	5.2	B3/2500		G3/2500
BVH (80°-90°)	45.0	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°	4850.4	4850.4	4850.4	4850.4	4850.4	4850.4	4850.4	4850.4	4850.4	4850.4
2.5°	5126.5	5156.0	5139.2	5130.7	5116.0	5094.9	5078.0	5025.3	4970.5	4934.7
5°	5229.8	5259.3	5257.2	5265.6	5276.2	5282.5	5278.3	5219.3	5141.3	5080.1
7.5°	5141.3	5175.0	5202.4	5244.6	5318.3	5396.3	5434.3	5421.6	5341.5	5257.2
10°	4890.4	4926.3	4991.6	5090.7	5246.7	5415.3	5556.5	5621.9	5571.3	5478.5
12.5°	4430.9	4466.7	4595.3	4810.3	5071.7	5364.7	5634.5	5809.5	5822.1	5729.4
15°	3914.4	3950.3	4087.3	4357.1	4755.5	5225.6	5676.7	6007.6	6119.4	6039.3
17.5°	3594.0	3625.7	3728.9	3946.1	4361.3	4947.3	5661.9	6218.4	6473.5	6410.3
20°	3497.1	3524.5	3573.0	3724.7	4070.4	4658.6	5565.0	6416.6	6855.0	6819.2
22.5°	3600.4	3625.7	3640.4	3707.9	3925.0	4468.8	5442.7	6618.9	7297.7	7301.9
25°	3838.6	3863.9	3847.0	3889.2	3984.0	4409.8	5396.3	6857.1	7854.2	7900.6
27.5°	4230.6	4232.7	4192.7	4190.6	4205.3	4498.3	5444.8	7112.2	8556.1	8642.6
30°	5016.9	4985.3	4831.4	4664.9	4589.0	4763.9	5579.7	7413.6	9384.6	9538.4
32.5°	6229.0	6182.6	5900.1	5501.7	5101.2	5191.9	5822.1	7757.2	10286.8	10565.0
35°	7544.3	7531.7	7236.6	6644.2	5944.4	5801.1	6216.3	8208.3	11271.2	11713.8
37.5°	8766.9	8760.6	8592.0	7894.2	7042.6	6650.6	6848.7	8798.5	12325.1	12965.9
40°	9884.1	9903.1	9734.5	9110.5	8252.6	7740.4	7708.7	9527.9	13497.2	14329.8
42.5°	10849.6	10870.7	10699.9	10238.3	9447.8	8946.1	8764.8	10421.7	14641.8	15794.8
45°	11505.1	11635.8	11610.5	11241.7	10674.6	10154.0	10033.8	11543.1	15946.6	17348.4
47.5°	11690.6	11810.8	12000.5	12051.1	11705.4	11193.2	11336.5	12894.3	17266.2	18904.0
50°	11233.2	11344.9	11739.1	12264.0	12504.3	12346.2	12603.4	14342.4	18617.3	20455.5
52.5°	10331.0	10444.9	10942.3	11772.9	12753.0	13250.5	13874.5	15769.5	19926.4	21924.7
55°	9026.2	9146.4	9785.1	10725.2	12278.8	13623.6	14934.8	17194.5	21125.8	23246.4
57.5°	7251.3	7339.9	8003.9	9319.2	11085.7	13252.6	15716.8	18750.1	22255.6	24544.9
60°	4726.0	4804.0	5575.5	7042.6	9108.4	12013.2	15872.8	20485.0	23756.5	26233.3
62.5°	3142.9	3195.6	3653.1	4730.2	6414.5	9633.3	14960.1	21869.9	25957.2	29171.8
65°	2156.4	2209.1	2666.5	3417.0	4144.2	6372.3	12335.7	21686.5	27951.3	31505.3
67.5°	1538.8	1583.1	1970.9	2679.2	2999.6	3701.5	8362.2	19342.5	27664.6	31593.8
70°	1102.5	1127.7	1448.2	2086.9	2384.1	2223.9	4650.1	14793.5	24222.4	29173.9
72.5°	771.5	779.9	1005.5	1589.4	1920.3	1623.1	2213.3	9863.1	18320.1	22898.6
75°	522.8	533.3	676.6	1165.7	1540.9	1239.5	1172.0	5288.8	10754.7	12675.1
77.5°	320.4	324.6	436.3	796.8	1153.0	944.4	754.6	2240.7	4161.1	4085.2
80°	181.3	181.3	278.2	495.4	786.3	609.2	529.1	952.8	1317.5	1157.3
82.5°	101.2	103.3	202.4	307.8	520.7	360.5	290.9	440.6	569.1	503.8
85°	42.2	46.4	124.4	145.4	248.7	179.2	118.0	185.5	210.8	187.6
87.5°	4.2	6.3	37.9	27.4	29.5	35.8	16.9	35.8	29.5	29.5
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°
4850.4	0°	4850.4	4850.4	4850.4	4850.4	4850.4	4850.4	4850.4	4850.4	4850.4	4850.4
4922.0	2.5°	4882.0	4850.4	4770.3	4677.5	4555.3	4496.2	4416.1	4361.3	4315.0	4319.2
5044.3	5°	4976.9	4896.7	4717.6	4494.1	4215.9	4017.7	3806.9	3661.5	3543.4	3518.2
5212.9	7.5°	5107.5	4981.1	4667.0	4264.4	3794.3	3438.1	3119.8	2915.3	2769.8	2723.5
5417.4	10°	5276.2	5092.8	4601.6	3975.6	3298.9	2845.7	2504.2	2344.0	2245.0	2211.2
5657.7	12.5°	5472.2	5221.4	4515.2	3623.6	2788.8	2352.5	2135.3	2055.2	2023.6	2013.1
5952.8	15°	5718.8	5381.6	4384.5	3206.2	2356.7	2051.0	1958.3	1947.7	1952.0	1947.7
6307.0	17.5°	6011.8	5556.5	4171.6	2776.2	2065.8	1897.1	1863.4	1871.9	1882.4	1880.3
6703.3	20°	6332.3	5729.4	3899.7	2394.6	1867.6	1787.5	1768.6	1777.0	1785.4	1781.2
7160.7	22.5°	6696.9	5914.9	3598.3	2097.4	1734.8	1686.4	1665.3	1667.4	1667.4	1659.0
7740.4	25°	7133.3	6119.4	3282.1	1886.6	1633.7	1595.7	1570.4	1562.0	1549.3	1524.0
8444.4	27.5°	7653.9	6336.5	2978.5	1739.1	1553.6	1517.7	1488.2	1467.1	1435.5	1393.3
9289.7	30°	8239.9	6600.0	2721.4	1646.3	1490.3	1454.5	1420.8	1389.1	1342.8	1290.1
10261.5	32.5°	8929.2	6882.4	2533.7	1585.2	1433.4	1395.5	1355.4	1317.5	1266.9	1214.2
11353.4	35°	9751.3	7223.9	2424.1	1543.0	1389.1	1338.5	1294.3	1252.1	1214.2	1167.8
12540.1	37.5°	10643.0	7586.5	2390.4	1521.9	1359.6	1281.6	1231.0	1201.5	1197.3	1169.9
13823.9	40°	11619.0	8016.5	2415.7	1509.3	1328.0	1226.8	1172.0	1165.7	1176.2	1127.7
15196.2	42.5°	12651.9	8526.6	2457.9	1494.5	1283.7	1172.0	1119.3	1119.3	1110.9	1043.4
16646.4	45°	13769.1	9114.7	2500.0	1458.7	1231.0	1117.2	1077.2	1062.4	1026.6	961.2
18105.1	47.5°	14894.7	9713.4	2531.6	1393.3	1167.8	1070.8	1035.0	1001.3	948.6	889.6
19536.4	50°	15963.4	10250.9	2497.9	1296.4	1096.1	1026.6	988.6	942.2	885.3	845.3
20891.8	52.5°	16918.3	10716.8	2354.6	1182.6	1020.2	980.2	946.5	898.0	851.6	809.4
22114.4	55°	17748.9	11094.1	2101.6	1075.1	952.8	940.1	906.4	845.3	782.0	746.2
23326.5	57.5°	18545.7	11380.8	1785.4	986.5	891.7	895.9	845.3	790.5	731.5	693.5
24960.1	60°	19606.0	11764.4	1465.0	904.3	826.3	839.0	784.2	744.1	670.3	621.8
27761.6	62.5°	21300.8	12361.0	1163.6	803.1	750.4	754.6	731.5	683.0	594.4	537.5
29837.9	65°	22645.6	12141.7	917.0	693.5	664.0	670.3	670.3	617.6	522.8	457.4
29949.6	67.5°	22493.8	10396.4	731.5	586.0	581.8	586.0	600.8	556.5	463.7	411.0
27668.8	70°	20721.1	8269.5	586.0	486.9	505.9	495.4	537.5	508.0	417.4	364.7
21450.4	72.5°	16907.8	5957.0	446.9	402.6	387.9	404.7	484.8	457.4	347.8	288.8
11361.8	75°	9879.9	3178.8	333.1	318.3	280.4	337.3	430.0	390.0	265.6	212.9
3482.3	77.5°	3216.7	1108.8	244.5	234.0	208.7	271.9	366.8	328.8	217.1	168.6
1020.2	80°	862.1	335.2	166.5	153.9	134.9	202.4	290.9	261.4	156.0	109.6
438.5	82.5°	345.7	141.2	97.0	86.4	73.8	139.1	229.8	210.8	115.9	69.6
137.0	85°	111.7	46.4	35.8	27.4	33.7	86.4	137.0	143.3	82.2	35.8
21.1	87.5°	14.8	6.3	6.3	8.4	6.3	14.8	42.2	40.1	23.2	4.2
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°
4850.4
4277.0
3461.2
2677.1
2185.9
2006.8
1945.6
1876.1
1779.1
1654.7
1519.8
1389.1
1285.8
1216.3
1163.6
1167.8
1129.9
1043.4
959.1
887.4
839.0
805.2
742.0
689.3
615.5
533.3
451.1
402.6
358.4
282.5
206.6
162.3
107.5
69.6
27.4
0.0
0.0

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