

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: P849335

Luminaire Tested: **GLAN-SB6B-827-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849335
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-SB6B-827-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 2700K, 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: 19881 lumens
Efficiency: N/A
Efficacy: 90.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

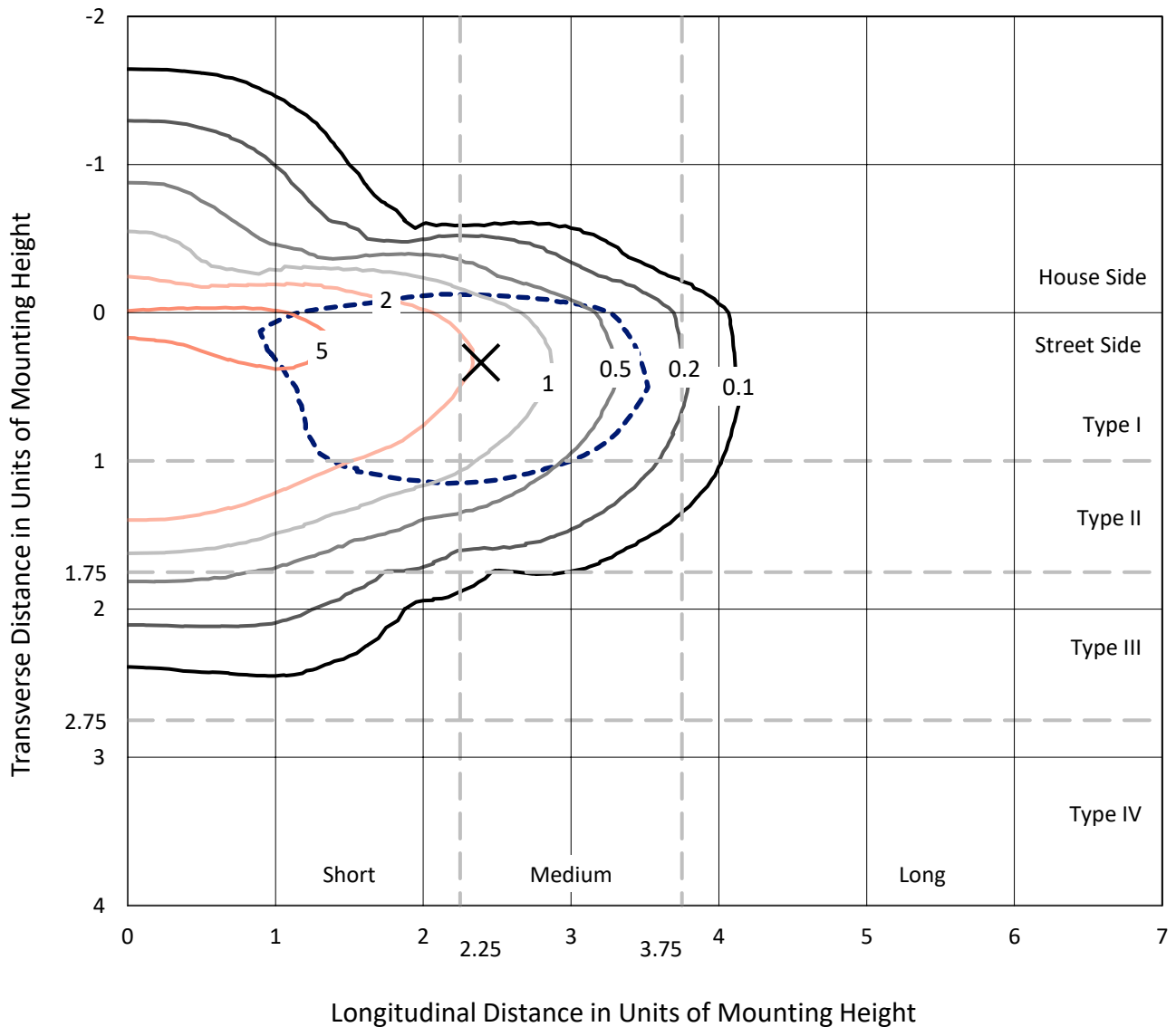
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

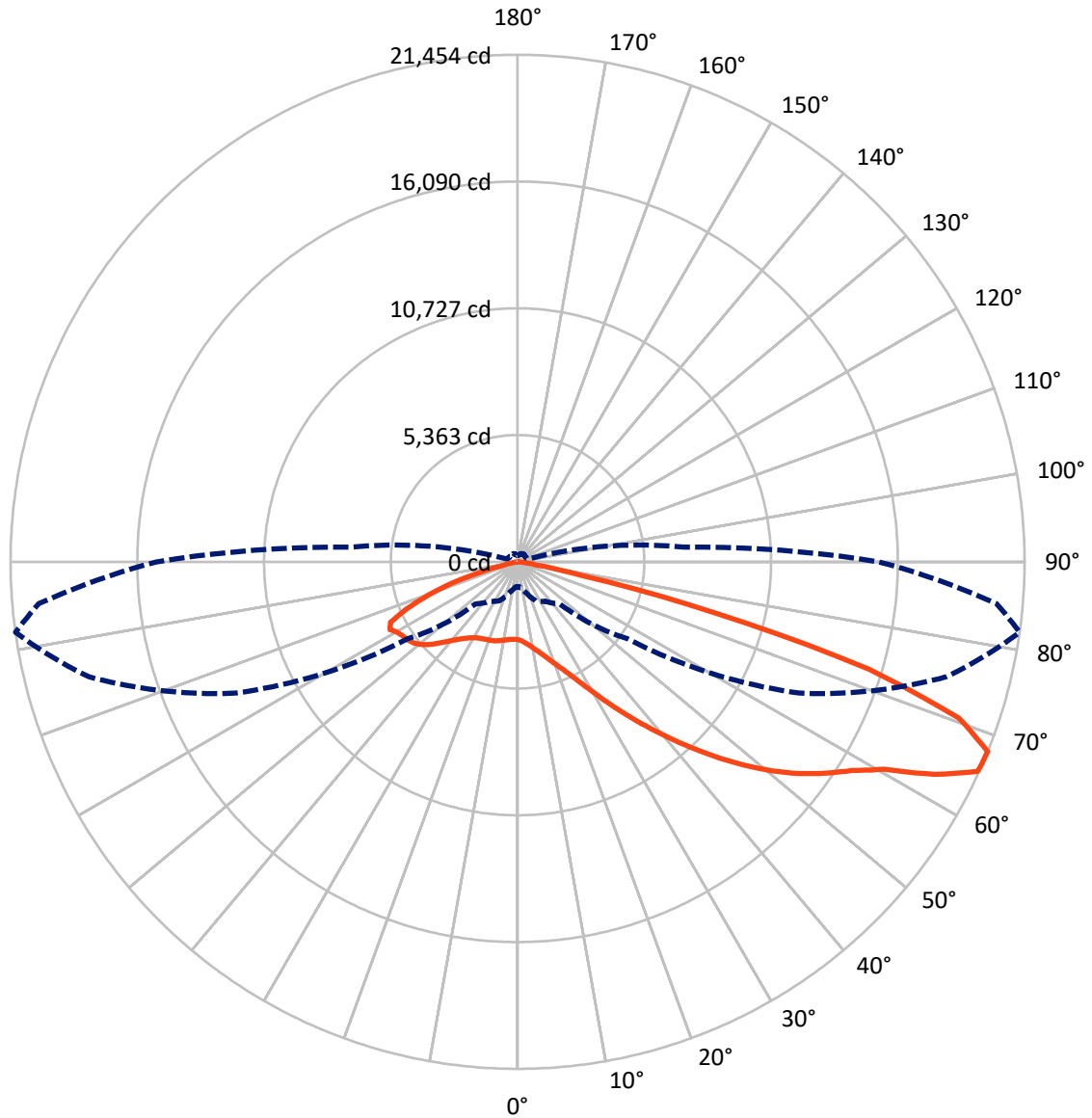
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	3601.3	0.0	3601.3
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	16279.7	0.0	16279.7
	% Fixture	81.9	0.0	81.9
Total	Lumens	19881.0	0.0	19881.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.4	1.5
10°-20°	762.5	3.8
20°-30°	1221.3	6.1
30°-40°	2159.7	10.9
40°-50°	3783.9	19.0
50°-60°	5046.7	25.4
60°-70°	4698.2	23.6
70°-80°	1803.2	9.1
80°-90°	112.0	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°	19881.0	100.0
0°-180°	19881.0	100.0

Coefficient of Utilization

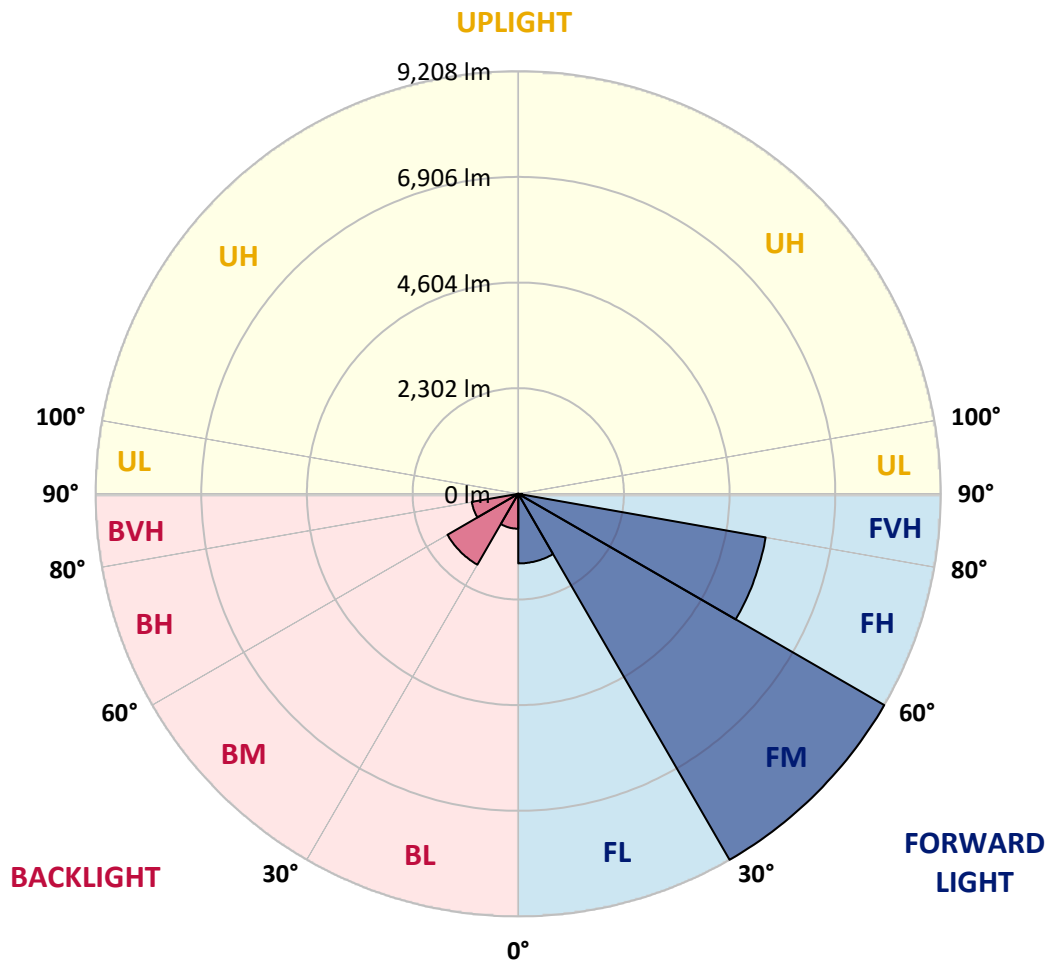


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1516.7	7.6			
FM (30°-60°)	9208.1	46.3			
FH (60°-80°)	5473.5	27.5			G3/7500
FVH (80°-90°)	81.4	0.4			G1/100
BL (0°-30°)	760.6	3.8	B2/1000		
BM (30°-60°)	1782.3	9.0	B2/2500		
BH (60°-80°)	1027.9	5.2	B3/2500		G3/2500
BVH (80°-90°)	30.6	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-G3
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3293.6	3293.6	3293.6	3293.6	3293.6	3293.6	3293.6	3293.6	3293.6	3293.6
2.5°	3481.1	3501.2	3489.7	3484.0	3474.0	3459.6	3448.2	3412.4	3375.2	3350.9
5°	3551.3	3571.3	3569.9	3575.6	3582.7	3587.0	3584.2	3544.1	3491.1	3449.6
7.5°	3491.1	3514.0	3532.6	3561.3	3611.4	3664.3	3690.1	3681.5	3627.1	3569.9
10°	3320.8	3345.1	3389.5	3456.8	3562.7	3677.2	3773.1	3817.5	3783.1	3720.2
12.5°	3008.8	3033.1	3120.4	3266.4	3443.9	3642.9	3826.1	3944.9	3953.5	3890.5
15°	2658.1	2682.4	2775.4	2958.7	3229.2	3548.4	3854.7	4079.4	4155.3	4100.9
17.5°	2440.5	2462.0	2532.1	2679.5	2961.5	3359.5	3844.7	4222.6	4395.8	4352.8
20°	2374.7	2393.3	2426.2	2529.3	2764.0	3163.4	3778.8	4357.1	4654.9	4630.5
22.5°	2444.8	2462.0	2472.0	2517.8	2665.2	3034.5	3695.8	4494.5	4955.4	4958.3
25°	2606.5	2623.7	2612.3	2640.9	2705.3	2994.5	3664.3	4656.3	5333.3	5364.8
27.5°	2872.8	2874.2	2847.0	2845.6	2855.6	3054.6	3697.3	4829.5	5810.0	5868.7
30°	3406.7	3385.2	3280.7	3167.6	3116.1	3234.9	3788.9	5034.2	6372.5	6477.0
32.5°	4229.7	4198.2	4006.4	3735.9	3463.9	3525.5	3953.5	5267.5	6985.1	7174.1
35°	5122.9	5114.3	4913.9	4511.7	4036.5	3939.2	4221.1	5573.8	7653.6	7954.2
37.5°	5953.1	5948.8	5834.3	5360.5	4782.2	4516.0	4650.6	5974.6	8369.3	8804.4
40°	6711.7	6724.6	6610.1	6186.4	5603.9	5256.0	5234.6	6469.8	9165.1	9730.5
42.5°	7367.3	7381.6	7265.7	6952.2	6415.5	6074.8	5951.7	7076.8	9942.4	10725.3
45°	7812.5	7901.2	7884.0	7633.6	7248.5	6895.0	6813.4	7838.2	10828.4	11780.3
47.5°	7938.4	8020.0	8148.9	8183.2	7948.5	7600.6	7698.0	8755.8	11724.4	12836.6
50°	7627.8	7703.7	7971.4	8327.8	8491.0	8383.6	8558.2	9739.1	12642.0	13890.1
52.5°	7015.2	7092.5	7430.3	7994.3	8659.9	8997.7	9421.4	10708.2	13530.8	14887.8
55°	6129.2	6210.8	6644.5	7282.9	8337.8	9251.0	10141.3	11675.8	14345.3	15785.3
57.5°	4924.0	4984.1	5435.0	6328.1	7527.6	8999.1	10672.4	12732.1	15112.5	16667.0
60°	3209.2	3262.1	3786.0	4782.2	6185.0	8157.4	10778.3	13910.2	16131.7	17813.5
62.5°	2134.2	2170.0	2480.6	3212.0	4355.7	6541.4	10158.5	14850.6	17626.0	19808.9
65°	1464.3	1500.1	1810.7	2320.3	2814.1	4327.1	8376.4	14726.1	18980.1	21393.4
67.5°	1044.9	1075.0	1338.3	1819.3	2036.9	2513.5	5678.3	13134.4	18785.5	21453.5
70°	748.6	765.8	983.4	1417.1	1618.9	1510.1	3157.6	10045.4	16448.0	19810.3
72.5°	523.9	529.6	682.8	1079.3	1304.0	1102.2	1503.0	6697.4	12440.1	15549.1
75°	355.0	362.1	459.5	791.6	1046.3	841.7	795.8	3591.3	7302.9	8606.9
77.5°	217.6	220.4	296.3	541.1	783.0	641.3	512.4	1521.6	2825.5	2774.0
80°	123.1	123.1	188.9	336.4	533.9	413.7	359.3	647.0	894.6	785.8
82.5°	68.7	70.1	137.4	209.0	353.6	244.8	197.5	299.2	386.5	342.1
85°	28.6	31.5	84.5	98.8	168.9	121.7	80.2	126.0	143.1	127.4
87.5°	2.9	4.3	25.8	18.6	20.0	24.3	11.5	24.3	20.0	20.0
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°
3293.6	0°	3293.6	3293.6	3293.6	3293.6	3293.6	3293.6	3293.6	3293.6	3293.6	3293.6
3342.3	2.5°	3315.1	3293.6	3239.2	3176.2	3093.2	3053.1	2998.7	2961.5	2930.0	2932.9
3425.3	5°	3379.5	3325.1	3203.4	3051.7	2862.8	2728.2	2585.1	2486.3	2406.2	2389.0
3539.8	7.5°	3468.2	3382.4	3169.1	2895.7	2576.5	2334.6	2118.4	1979.6	1880.8	1849.3
3678.7	10°	3582.7	3458.2	3124.7	2699.6	2240.1	1932.4	1700.5	1591.7	1524.4	1501.5
3841.8	12.5°	3715.9	3545.5	3066.0	2460.5	1893.7	1597.4	1450.0	1395.6	1374.1	1367.0
4042.2	15°	3883.3	3654.3	2977.3	2177.1	1600.3	1392.7	1329.8	1322.6	1325.5	1322.6
4282.7	17.5°	4082.3	3773.1	2832.7	1885.1	1402.8	1288.2	1265.3	1271.1	1278.2	1276.8
4551.8	20°	4299.9	3890.5	2648.1	1626.0	1268.2	1213.8	1200.9	1206.7	1212.4	1209.5
4862.4	22.5°	4547.5	4016.5	2443.4	1424.2	1178.0	1145.1	1130.8	1132.2	1132.2	1126.5
5256.0	25°	4843.8	4155.3	2228.7	1281.1	1109.3	1083.6	1066.4	1060.7	1052.1	1034.9
5734.1	27.5°	5197.3	4302.7	2022.5	1180.9	1054.9	1030.6	1010.6	996.2	974.8	946.1
6308.1	30°	5595.3	4481.7	1847.9	1117.9	1012.0	987.7	964.8	943.3	911.8	876.0
6968.0	32.5°	6063.3	4673.5	1720.5	1076.4	973.3	947.6	920.4	894.6	860.3	824.5
7709.4	35°	6621.6	4905.3	1646.1	1047.8	943.3	908.9	878.9	850.2	824.5	793.0
8515.3	37.5°	7227.0	5151.5	1623.2	1033.5	923.2	870.3	835.9	815.9	813.0	794.4
9387.0	40°	7889.8	5443.5	1640.4	1024.9	901.8	833.1	795.8	791.6	798.7	765.8
10318.8	42.5°	8591.2	5789.9	1669.0	1014.8	871.7	795.8	760.1	760.1	754.3	708.5
11303.6	45°	9349.8	6189.3	1697.6	990.5	835.9	758.6	731.4	721.4	697.1	652.7
12294.1	47.5°	10114.1	6595.8	1719.1	946.1	793.0	727.1	702.8	679.9	644.1	604.0
13266.0	50°	10839.9	6960.8	1696.2	880.3	744.3	697.1	671.3	639.8	601.2	574.0
14186.4	52.5°	11488.3	7277.1	1598.9	803.0	692.8	665.6	642.7	609.8	578.3	549.7
15016.6	55°	12052.2	7533.4	1427.1	730.0	647.0	638.4	615.5	574.0	531.0	506.7
15839.7	57.5°	12593.3	7728.0	1212.4	669.9	605.5	608.3	574.0	536.8	496.7	470.9
16949.0	60°	13313.3	7988.5	994.8	614.1	561.1	569.7	532.5	505.3	455.2	422.3
18851.3	62.5°	14464.1	8393.6	790.1	545.4	509.6	512.4	496.7	463.8	403.6	365.0
20261.2	65°	15377.3	8244.8	622.7	470.9	450.9	455.2	455.2	419.4	355.0	310.6
20337.1	67.5°	15274.3	7059.6	496.7	397.9	395.1	397.9	407.9	377.9	314.9	279.1
18788.3	70°	14070.5	5615.3	397.9	330.6	343.5	336.4	365.0	345.0	283.4	247.6
14565.7	72.5°	11481.1	4045.1	303.5	273.4	263.4	274.8	329.2	310.6	236.2	196.1
7715.1	75°	6708.9	2158.5	226.2	216.1	190.4	229.0	292.0	264.8	180.4	144.6
2364.6	77.5°	2184.3	752.9	166.0	158.9	141.7	184.6	249.1	223.3	147.4	114.5
692.8	80°	585.4	227.6	113.1	104.5	91.6	137.4	197.5	177.5	105.9	74.4
297.7	82.5°	234.7	95.9	65.8	58.7	50.1	94.5	156.0	143.1	78.7	47.2
93.0	85°	75.9	31.5	24.3	18.6	22.9	58.7	93.0	97.3	55.8	24.3
14.3	87.5°	10.0	4.3	4.3	5.7	4.3	10.0	28.6	27.2	15.7	2.9
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°
3293.6
2904.3
2350.3
1817.9
1484.3
1362.7
1321.2
1273.9
1208.1
1123.6
1032.0
943.3
873.1
825.9
790.1
793.0
767.2
708.5
651.3
602.6
569.7
546.8
503.8
468.1
418.0
362.1
306.3
273.4
243.3
191.8
140.3
110.2
73.0
47.2
18.6
0.0
0.0

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