

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: P849285

Luminaire Tested: **GLAN-SB6B-730-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849285
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-730-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3000K, 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: 24087 lumens
Efficiency: N/A
Efficacy: 109.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

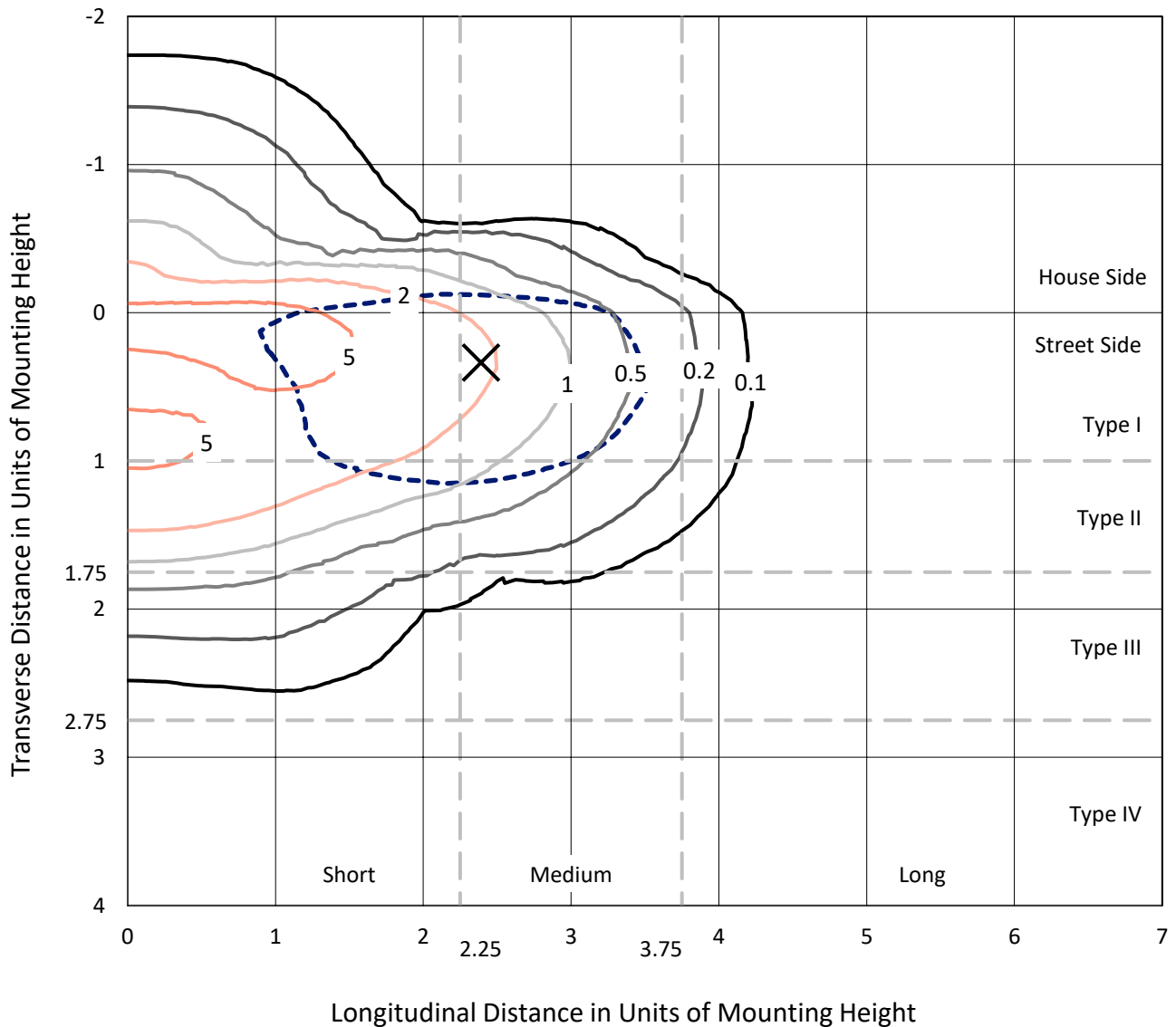
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

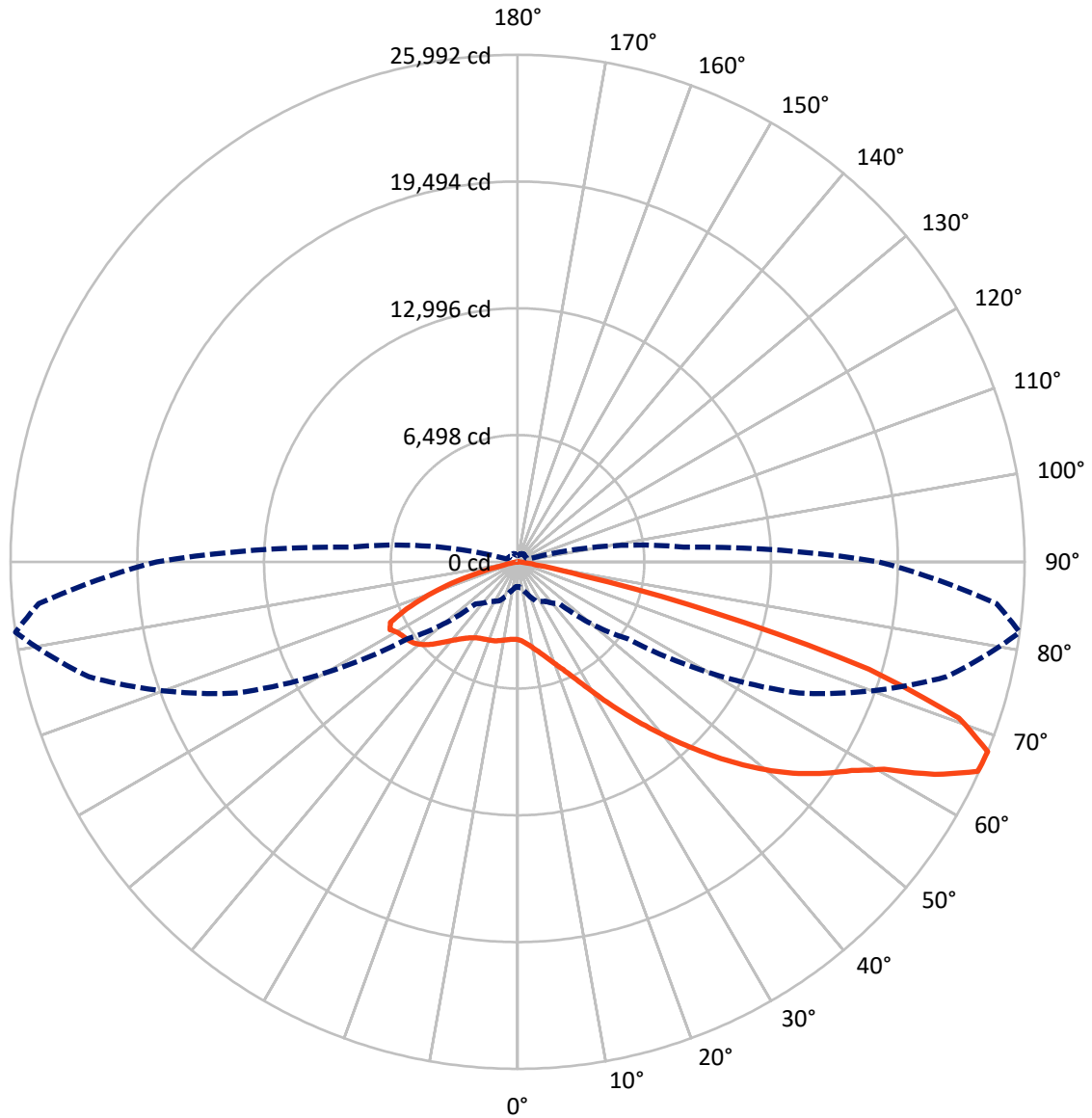
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 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	4363.1	0.0	4363.1
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	19723.9	0.0	19723.9
	% Fixture	81.9	0.0	81.9
Total	Lumens	24087.0	0.0	24087.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	355.5	1.5
10°-20°	923.8	3.8
20°-30°	1479.7	6.1
30°-40°	2616.6	10.9
40°-50°	4584.5	19.0
50°-60°	6114.4	25.4
60°-70°	5692.2	23.6
70°-80°	2184.7	9.1
80°-90°	135.7	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°	24087.0	100.0
0°-180°	24087.0	100.0

Coefficient of Utilization



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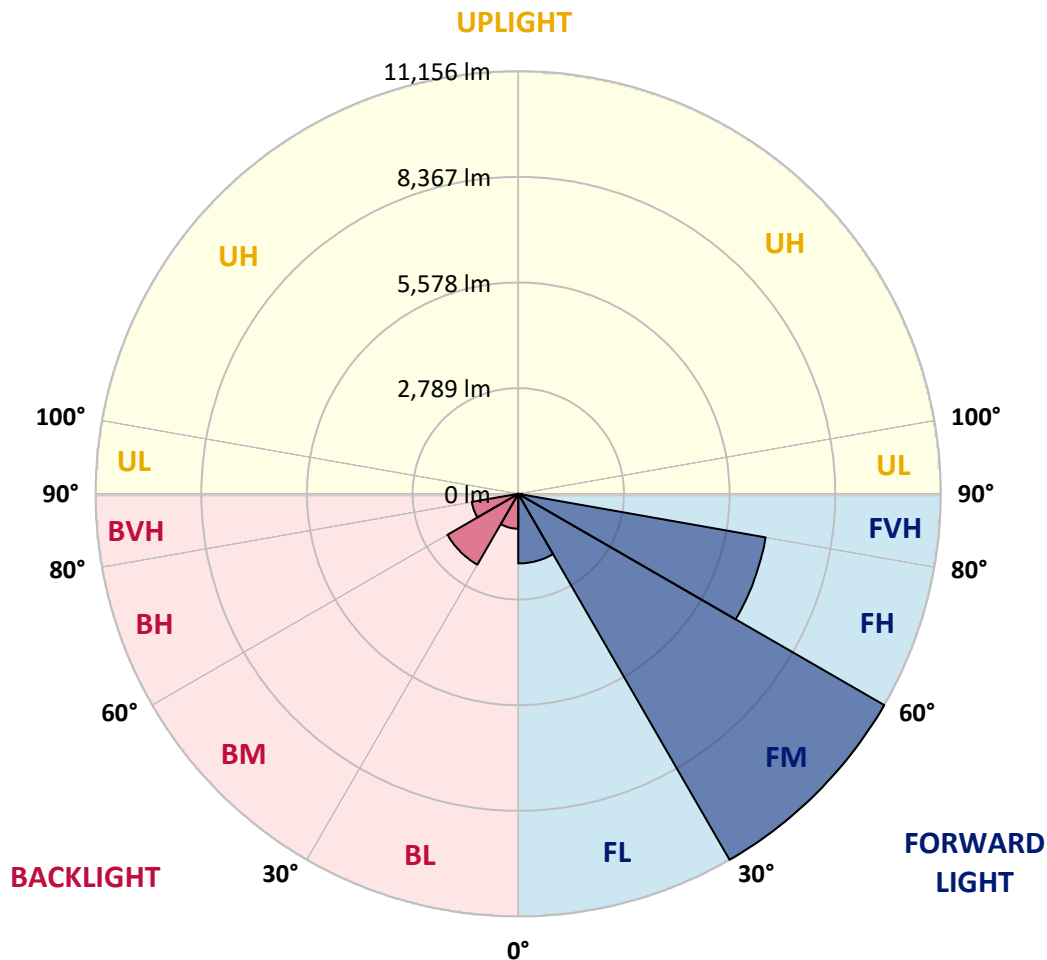
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1837.6	7.6			
FM (30°-60°)	11156.1	46.3			
FH (60°-80°)	6631.5	27.5			G3/7500
FVH (80°-90°)	98.6	0.4			G1/100
BL (0°-30°)	921.5	3.8	B2/1000		
BM (30°-60°)	2159.3	9.0	B2/2500		
BH (60°-80°)	1245.3	5.2	B3/2500		G3/2500
BVH (80°-90°)	37.0	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-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3990.4	3990.4	3990.4	3990.4	3990.4	3990.4	3990.4	3990.4	3990.4	3990.4
2.5°	4217.6	4241.9	4228.0	4221.0	4208.9	4191.6	4177.7	4134.3	4089.3	4059.8
5°	4302.6	4326.8	4325.1	4332.0	4340.7	4345.9	4342.4	4293.9	4229.7	4179.4
7.5°	4229.7	4257.5	4280.0	4314.7	4375.4	4439.6	4470.8	4460.4	4394.5	4325.1
10°	4023.4	4052.8	4106.6	4188.1	4316.4	4455.2	4571.4	4625.1	4583.5	4507.2
12.5°	3645.3	3674.8	3780.6	3957.5	4172.5	4413.5	4635.5	4779.5	4789.9	4713.6
15°	3220.4	3249.9	3362.6	3584.6	3912.4	4299.1	4670.2	4942.5	5034.4	4968.5
17.5°	2956.8	2982.8	3067.8	3246.4	3588.1	4070.2	4658.1	5115.9	5325.7	5273.7
20°	2877.0	2899.6	2939.5	3064.3	3348.7	3832.6	4578.3	5278.9	5639.6	5610.1
22.5°	2962.0	2982.8	2995.0	3050.5	3229.1	3676.5	4477.7	5445.4	6003.8	6007.3
25°	3158.0	3178.8	3164.9	3199.6	3277.6	3628.0	4439.6	5641.4	6461.6	6499.8
27.5°	3480.5	3482.3	3449.3	3447.6	3459.7	3700.8	4479.4	5851.2	7039.1	7110.2
30°	4127.4	4101.4	3974.8	3837.8	3775.4	3919.3	4590.4	6099.2	7720.7	7847.3
32.5°	5124.6	5086.4	4854.0	4526.3	4196.8	4271.3	4789.9	6381.9	8462.9	8691.8
35°	6206.7	6196.3	5953.5	5466.2	4890.5	4772.5	5114.2	6753.0	9272.8	9637.0
37.5°	7212.5	7207.3	7068.6	6494.6	5794.0	5471.4	5634.4	7238.6	10139.9	10667.1
40°	8131.7	8147.3	8008.5	7495.2	6789.4	6368.0	6342.0	7838.6	11104.1	11789.1
42.5°	8925.9	8943.3	8802.8	8423.0	7772.7	7360.0	7210.8	8573.9	12045.8	12994.4
45°	9465.3	9572.8	9552.0	9248.5	8782.0	8353.7	8254.8	9496.5	13119.2	14272.5
47.5°	9617.9	9716.7	9872.8	9914.4	9630.0	9208.6	9326.5	10608.1	14204.9	15552.3
50°	9241.6	9333.5	9657.8	10089.6	10287.3	10157.2	10368.8	11799.5	15316.5	16828.7
52.5°	8499.3	8593.0	9002.2	9685.5	10491.9	10901.2	11414.5	12973.6	16393.4	18037.4
55°	7425.9	7524.7	8050.2	8823.6	10101.7	11208.2	12286.8	14145.9	17380.2	19124.8
57.5°	5965.7	6038.5	6584.8	7666.9	9120.2	10902.9	12930.2	15425.7	18309.7	20193.1
60°	3888.1	3952.2	4587.0	5794.0	7493.5	9883.2	13058.5	16853.0	19544.5	21582.2
62.5°	2585.7	2629.1	3005.4	3891.6	5277.2	7925.3	12307.6	17992.4	21355.0	23999.6
65°	1774.1	1817.4	2193.8	2811.1	3409.4	5242.5	10148.6	17841.5	22995.5	25919.4
67.5°	1266.0	1302.4	1621.5	2204.2	2467.8	3045.3	6879.6	15913.0	22759.7	25992.2
70°	907.0	927.8	1191.4	1716.9	1961.4	1829.6	3825.7	12170.6	19927.7	24001.4
72.5°	634.7	641.7	827.2	1307.6	1579.9	1335.3	1820.9	8114.3	15072.0	18838.6
75°	430.1	438.8	556.7	959.0	1267.7	1019.7	964.2	4351.1	8847.9	10427.8
77.5°	263.6	267.1	359.0	655.5	948.6	776.9	620.8	1843.5	3423.3	3360.9
80°	149.1	149.1	228.9	407.5	646.9	501.2	435.3	783.9	1083.9	952.1
82.5°	83.2	85.0	166.5	253.2	428.3	296.5	239.3	362.4	468.2	414.5
85°	34.7	38.2	102.3	119.7	204.6	147.4	97.1	152.6	173.4	154.3
87.5°	3.5	5.2	31.2	22.5	24.3	29.5	13.9	29.5	24.3	24.3
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°
3990.4	0°	3990.4	3990.4	3990.4	3990.4	3990.4	3990.4	3990.4	3990.4	3990.4	3990.4
4049.4	2.5°	4016.4	3990.4	3924.5	3848.2	3747.6	3699.1	3633.2	3588.1	3549.9	3553.4
4149.9	5°	4094.5	4028.6	3881.1	3697.3	3468.4	3305.4	3132.0	3012.3	2915.2	2894.4
4288.7	7.5°	4202.0	4097.9	3839.5	3508.3	3121.6	2828.5	2566.6	2398.4	2278.7	2240.6
4456.9	10°	4340.7	4189.8	3785.8	3270.7	2714.0	2341.2	2060.2	1928.4	1846.9	1819.2
4654.6	12.5°	4502.0	4295.6	3714.7	2981.1	2294.4	1935.4	1756.7	1690.8	1664.8	1656.2
4897.4	15°	4704.9	4427.4	3607.1	2637.7	1938.8	1687.4	1611.1	1602.4	1605.9	1602.4
5188.7	17.5°	4945.9	4571.4	3432.0	2283.9	1699.5	1560.8	1533.0	1540.0	1548.6	1546.9
5514.8	20°	5209.5	4713.6	3208.3	1970.1	1536.5	1470.6	1455.0	1461.9	1468.9	1465.4
5891.1	22.5°	5509.6	4866.2	2960.3	1725.5	1427.2	1387.4	1370.0	1371.8	1371.8	1364.8
6368.0	25°	5868.5	5034.4	2700.2	1552.1	1344.0	1312.8	1292.0	1285.0	1274.6	1253.8
6947.2	27.5°	6296.9	5213.0	2450.4	1430.7	1278.1	1248.6	1224.3	1207.0	1181.0	1146.3
7642.6	30°	6779.0	5429.8	2238.9	1354.4	1226.1	1196.6	1168.9	1142.8	1104.7	1061.3
8442.1	32.5°	7346.1	5662.2	2084.5	1304.1	1179.3	1148.0	1115.1	1083.9	1042.3	998.9
9340.4	35°	8022.4	5943.1	1994.3	1269.4	1142.8	1101.2	1064.8	1030.1	998.9	960.7
10316.8	37.5°	8756.0	6241.4	1966.6	1252.1	1118.6	1054.4	1012.8	988.5	985.0	962.5
11372.9	40°	9558.9	6595.2	1987.4	1241.7	1092.5	1009.3	964.2	959.0	967.7	927.8
12501.9	42.5°	10408.7	7014.9	2022.1	1229.5	1056.1	964.2	920.9	920.9	913.9	858.4
13695.0	45°	11327.8	7498.7	2056.8	1200.1	1012.8	919.1	886.2	874.0	844.6	790.8
14895.1	47.5°	12253.9	7991.2	2082.8	1146.3	960.7	881.0	851.5	823.7	780.4	731.8
16072.6	50°	13133.1	8433.4	2055.0	1066.5	901.8	844.6	813.3	775.2	728.4	695.4
17187.7	52.5°	13918.7	8816.7	1937.1	972.9	839.4	806.4	778.7	738.8	700.6	665.9
18193.5	55°	14602.0	9127.1	1729.0	884.4	783.9	773.5	745.7	695.4	643.4	613.9
19190.7	57.5°	15257.5	9363.0	1468.9	811.6	733.6	737.0	695.4	650.3	601.8	570.6
20534.7	60°	16129.8	9678.6	1205.3	744.0	679.8	690.2	645.1	612.2	551.5	511.6
22839.5	62.5°	17524.1	10169.4	957.3	660.7	617.4	620.8	601.8	561.9	489.0	442.2
24547.6	65°	18630.5	9989.0	754.4	570.6	546.3	551.5	551.5	508.1	430.1	376.3
24639.6	67.5°	18505.7	8553.1	601.8	482.1	478.6	482.1	494.2	457.8	381.5	338.2
22763.1	70°	17047.2	6803.3	482.1	400.6	416.2	407.5	442.2	417.9	343.4	300.0
17647.2	72.5°	13910.0	4900.9	367.7	331.2	319.1	333.0	398.9	376.3	286.1	237.6
9347.4	75°	8128.2	2615.2	274.0	261.9	230.6	277.5	353.8	320.8	218.5	175.2
2864.9	77.5°	2646.4	912.2	201.2	192.5	171.7	223.7	301.8	270.5	178.6	138.7
839.4	80°	709.3	275.7	137.0	126.6	111.0	166.5	239.3	215.0	128.3	90.2
360.7	82.5°	284.4	116.2	79.8	71.1	60.7	114.5	189.0	173.4	95.4	57.2
112.7	85°	91.9	38.2	29.5	22.5	27.7	71.1	112.7	117.9	67.6	29.5
17.3	87.5°	12.1	5.2	5.2	6.9	5.2	12.1	34.7	32.9	19.1	3.5
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°
3990.4
3518.7
2847.6
2202.4
1798.4
1651.0
1600.7
1543.4
1463.7
1361.3
1250.4
1142.8
1057.9
1000.6
957.3
960.7
929.5
858.4
789.1
730.1
690.2
662.5
610.4
567.1
506.4
438.8
371.1
331.2
294.8
232.4
170.0
133.5
88.4
57.2
22.5
0.0
0.0

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