

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: P849565

Luminaire Tested: **GLAN-SB6C-930-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849565
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-SB6C-930-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 3000K, 615mA 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: 22373 lumens
Efficiency: N/A
Efficacy: 74.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

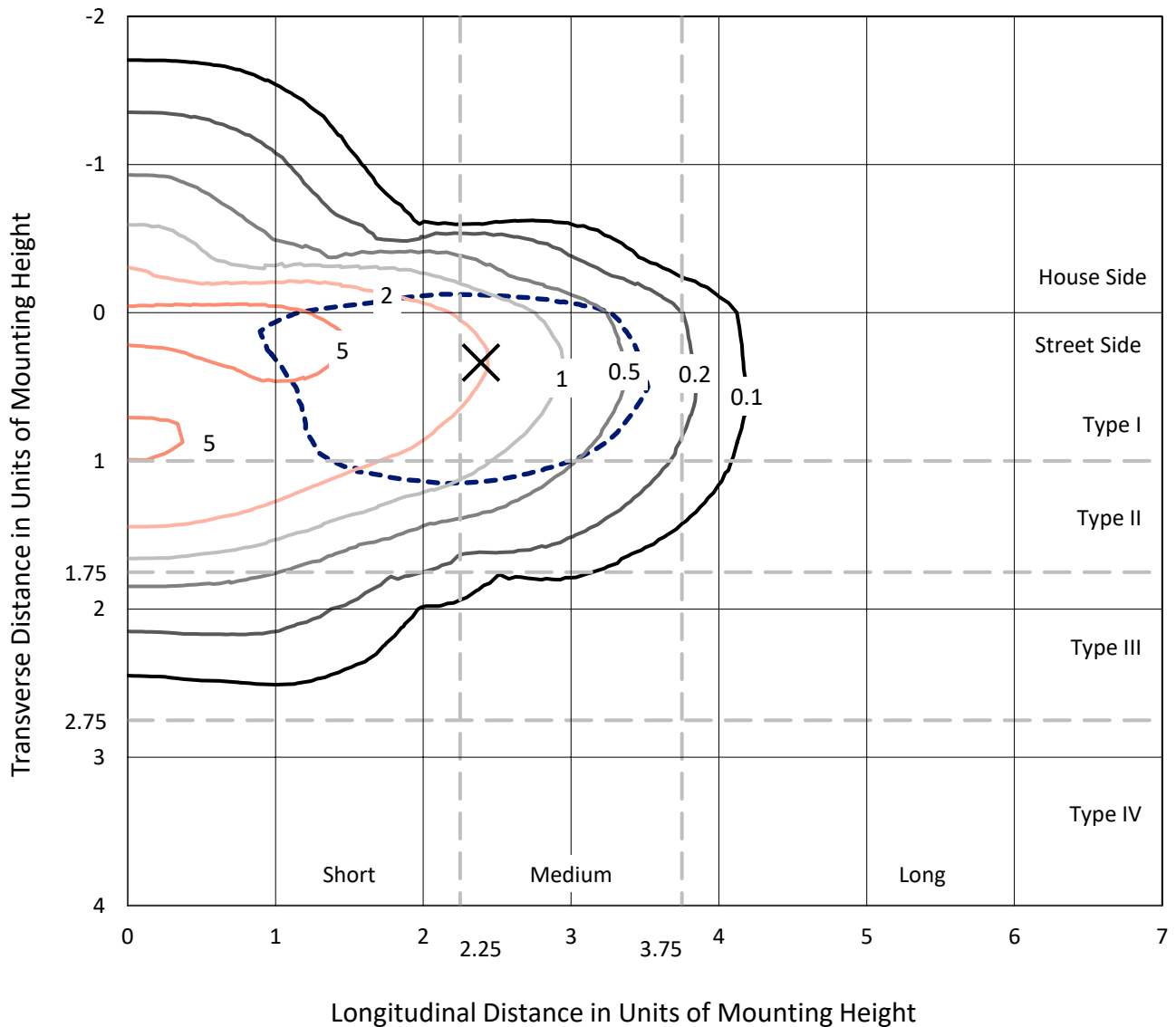
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

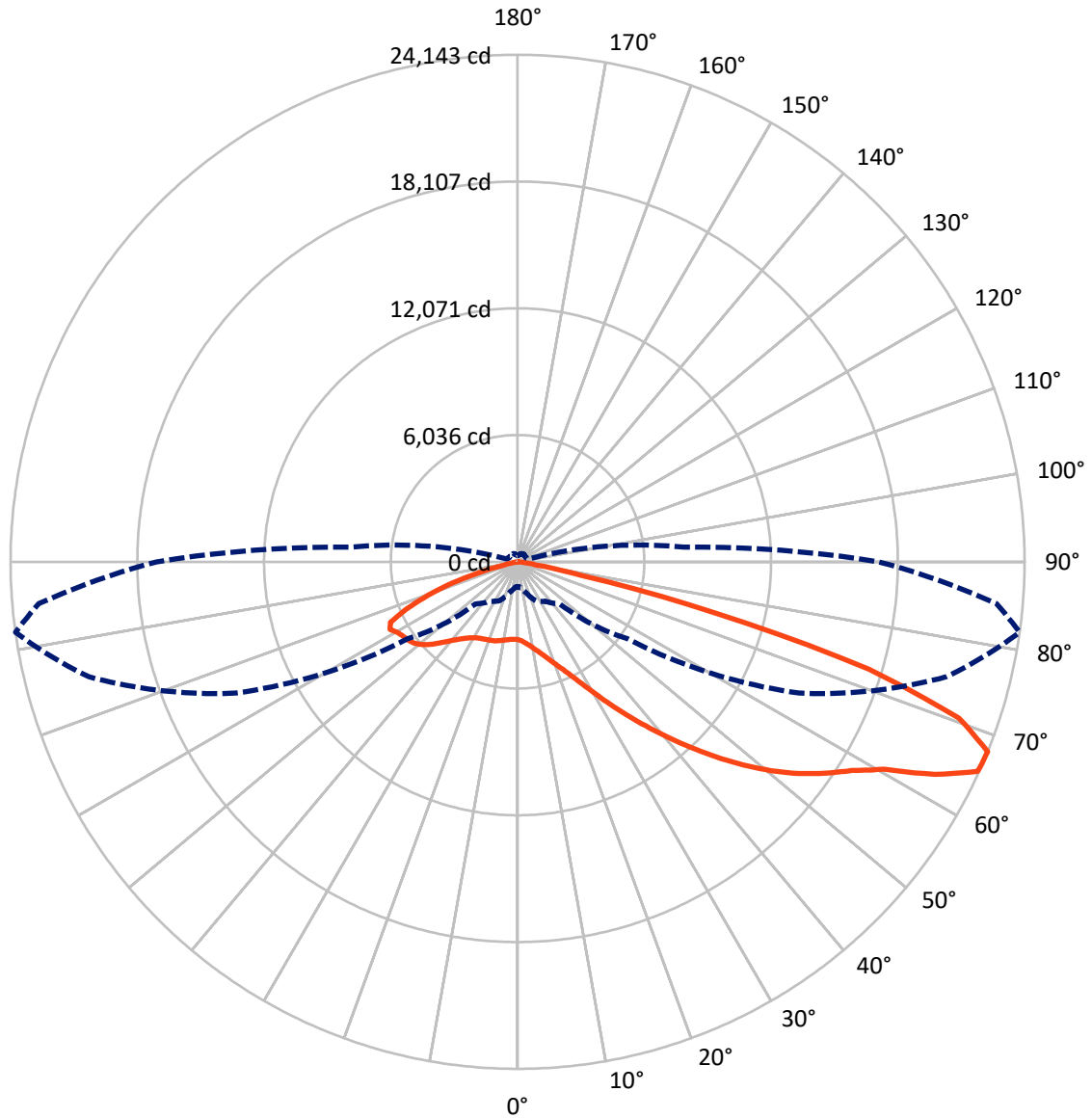
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 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	4052.7	0.0	4052.7
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	18320.3	0.0	18320.3
	% Fixture	81.9	0.0	81.9
Total	Lumens	22373.0	0.0	22373.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	330.2	1.5
10°-20°	858.1	3.8
20°-30°	1374.4	6.1
30°-40°	2430.4	10.9
40°-50°	4258.2	19.0
50°-60°	5679.3	25.4
60°-70°	5287.1	23.6
70°-80°	2029.2	9.1
80°-90°	126.0	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°	22373.0	100.0
0°-180°	22373.0	100.0

Coefficient of Utilization



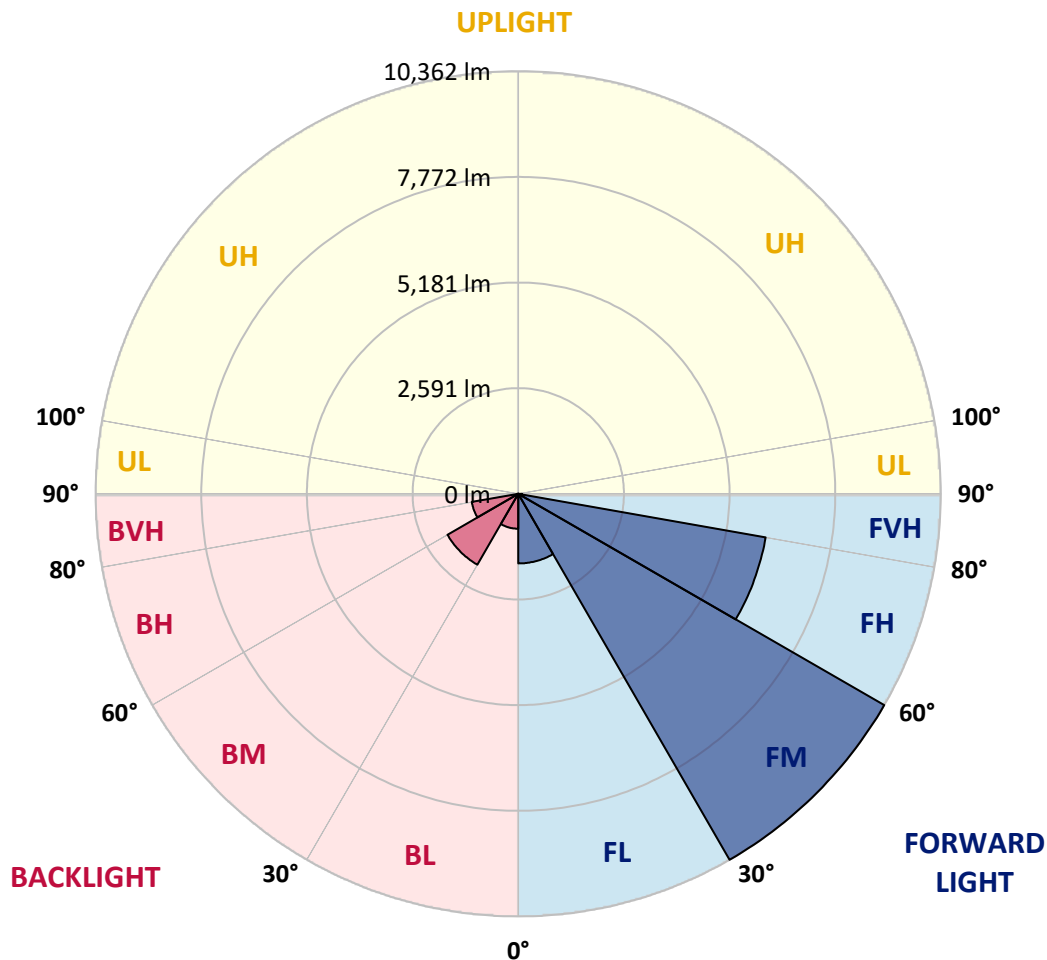
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1706.8	7.6			
FM (30°-60°)	10362.3	46.3			
FH (60°-80°)	6159.6	27.5			G3/7500
FVH (80°-90°)	91.6	0.4			G1/100
BL (0°-30°)	855.9	3.8	B2/1000		
BM (30°-60°)	2005.6	9.0	B2/2500		
BH (60°-80°)	1156.7	5.2	B3/2500		G3/2500
BVH (80°-90°)	34.4	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°	3706.4	3706.4	3706.4	3706.4	3706.4	3706.4	3706.4	3706.4	3706.4	3706.4
2.5°	3917.5	3940.0	3927.1	3920.7	3909.4	3893.3	3880.4	3840.1	3798.3	3770.9
5°	3996.4	4018.9	4017.3	4023.8	4031.8	4036.7	4033.4	3988.3	3928.7	3882.0
7.5°	3928.7	3954.5	3975.5	4007.7	4064.0	4123.6	4152.6	4143.0	4081.8	4017.3
10°	3737.1	3764.4	3814.4	3890.1	4009.3	4138.1	4246.1	4296.0	4257.3	4186.5
12.5°	3385.9	3413.3	3511.5	3675.8	3875.6	4099.5	4305.7	4439.4	4449.0	4378.2
15°	2991.3	3018.6	3123.3	3329.5	3634.0	3993.2	4337.9	4590.8	4676.2	4614.9
17.5°	2746.4	2770.6	2849.5	3015.4	3332.7	3780.5	4326.6	4751.9	4946.8	4898.4
20°	2672.3	2693.3	2730.3	2846.3	3110.5	3559.9	4252.5	4903.3	5238.3	5210.9
22.5°	2751.2	2770.6	2781.9	2833.4	2999.3	3414.9	4159.1	5057.9	5576.6	5579.8
25°	2933.3	2952.6	2939.7	2971.9	3044.4	3369.8	4123.6	5239.9	6001.8	6037.3
27.5°	3232.9	3234.5	3203.9	3202.3	3213.5	3437.4	4160.7	5434.8	6538.2	6604.3
30°	3833.7	3809.5	3692.0	3564.7	3506.7	3640.4	4263.8	5665.2	7171.3	7288.9
32.5°	4759.9	4724.5	4508.6	4204.2	3898.1	3967.4	4449.0	5927.7	7860.7	8073.3
35°	5765.1	5755.4	5529.9	5077.2	4542.5	4432.9	4750.2	6272.5	8612.9	8951.2
37.5°	6699.3	6694.5	6565.6	6032.4	5381.7	5082.1	5233.5	6723.5	9418.3	9908.0
40°	7553.0	7567.5	7438.7	6961.9	6306.3	5914.9	5890.7	7280.8	10313.9	10950.2
42.5°	8290.8	8306.9	8176.4	7823.7	7219.6	6836.2	6697.7	7963.8	11188.6	12069.7
45°	8791.7	8891.6	8872.3	8590.4	8157.1	7759.2	7667.4	8820.7	12185.7	13256.9
47.5°	8933.5	9025.3	9170.3	9208.9	8944.8	8553.3	8662.9	9853.3	13194.1	14445.6
50°	8583.9	8669.3	8970.5	9371.6	9555.3	9434.5	9631.0	10959.9	14226.6	15631.2
52.5°	7894.5	7981.5	8361.7	8996.3	9745.3	10125.5	10602.3	12050.4	15226.9	16753.9
55°	6897.4	6989.3	7477.3	8195.7	9382.9	10410.6	11412.5	13139.3	16143.4	17763.9
57.5°	5541.1	5608.8	6116.2	7121.3	8471.2	10127.1	12010.1	14328.1	17006.8	18756.1
60°	3611.4	3671.0	4260.6	5381.7	6960.3	9179.9	12129.3	15653.7	18153.7	20046.4
62.5°	2401.7	2442.0	2791.5	3614.6	4901.7	7361.4	11431.8	16712.0	19835.4	22291.9
65°	1647.8	1688.1	2037.7	2611.1	3166.8	4869.4	9426.4	16571.9	21359.2	24075.0
67.5°	1175.9	1209.7	1506.1	2047.3	2292.2	2828.6	6390.0	14780.7	21140.1	24142.7
70°	842.4	861.8	1106.6	1594.7	1821.8	1699.4	3553.4	11304.6	18509.7	22293.5
72.5°	589.6	596.0	768.4	1214.5	1467.4	1240.3	1691.3	7536.9	13999.5	17498.1
75°	399.5	407.5	517.1	890.8	1177.5	947.1	895.6	4041.5	8218.3	9685.7
77.5°	244.8	248.1	333.4	608.9	881.1	721.6	576.7	1712.3	3179.7	3121.7
80°	138.5	138.5	212.6	378.5	600.8	465.5	404.3	728.1	1006.7	884.3
82.5°	77.3	78.9	154.6	235.2	397.9	275.4	222.3	336.7	434.9	385.0
85°	32.2	35.4	95.0	111.1	190.1	136.9	90.2	141.8	161.1	143.4
87.5°	3.2	4.8	29.0	20.9	22.6	27.4	12.9	27.4	22.6	22.6
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°
3706.4	0°	3706.4	3706.4	3706.4	3706.4	3706.4	3706.4	3706.4	3706.4	3706.4	3706.4
3761.2	2.5°	3730.6	3706.4	3645.2	3574.4	3480.9	3435.8	3374.6	3332.7	3297.3	3300.5
3854.6	5°	3803.1	3741.9	3605.0	3434.2	3221.6	3070.2	2909.1	2798.0	2707.8	2688.4
3983.5	7.5°	3903.0	3806.3	3566.3	3258.6	2899.4	2627.2	2384.0	2227.7	2116.6	2081.2
4139.8	10°	4031.8	3891.7	3516.4	3038.0	2520.9	2174.6	1913.6	1791.2	1715.5	1689.7
4323.4	12.5°	4181.6	3989.9	3450.3	2769.0	2131.1	1797.7	1631.7	1570.5	1546.4	1538.3
4548.9	15°	4370.1	4112.4	3350.5	2450.0	1800.9	1567.3	1496.4	1488.4	1491.6	1488.4
4819.5	17.5°	4594.0	4246.1	3187.8	2121.4	1578.6	1449.7	1423.9	1430.4	1438.4	1436.8
5122.3	20°	4838.8	4378.2	2980.0	1829.9	1427.2	1366.0	1351.5	1357.9	1364.3	1361.1
5471.9	22.5°	5117.5	4519.9	2749.6	1602.7	1325.7	1288.6	1272.5	1274.1	1274.1	1267.7
5914.9	25°	5450.9	4676.2	2508.0	1441.7	1248.4	1219.4	1200.0	1193.6	1183.9	1164.6
6452.9	27.5°	5848.8	4842.1	2276.1	1328.9	1187.2	1159.8	1137.2	1121.1	1097.0	1064.7
7098.8	30°	6296.6	5043.4	2079.5	1258.0	1138.8	1111.5	1085.7	1061.5	1026.1	985.8
7841.4	32.5°	6823.3	5259.3	1936.2	1211.3	1095.3	1066.3	1035.7	1006.7	968.1	927.8
8675.8	35°	7451.6	5520.2	1852.4	1179.1	1061.5	1022.9	989.0	956.8	927.8	892.4
9582.6	37.5°	8132.9	5797.3	1826.6	1163.0	1039.0	979.4	940.7	918.2	914.9	894.0
10563.6	40°	8878.7	6125.9	1846.0	1153.3	1014.8	937.5	895.6	890.8	898.8	861.8
11612.3	42.5°	9668.0	6515.7	1878.2	1142.1	981.0	895.6	855.3	855.3	848.9	797.3
12720.5	45°	10521.7	6965.1	1910.4	1114.7	940.7	853.7	823.1	811.8	784.5	734.5
13835.2	47.5°	11381.9	7422.6	1934.6	1064.7	892.4	818.3	790.9	765.1	724.9	679.8
14928.9	50°	12198.6	7833.3	1908.8	990.6	837.6	784.5	755.5	720.0	676.5	645.9
15964.6	52.5°	12928.3	8189.3	1799.3	903.7	779.6	749.0	723.2	686.2	650.8	618.5
16898.9	55°	13562.9	8477.6	1606.0	821.5	728.1	718.4	692.6	645.9	597.6	570.2
17825.1	57.5°	14171.8	8696.7	1364.3	753.9	681.4	684.6	645.9	604.0	558.9	530.0
19073.5	60°	14982.0	8989.9	1119.5	691.0	631.4	641.1	599.2	568.6	512.2	475.2
21214.2	62.5°	16277.1	9445.7	889.2	613.7	573.4	576.7	558.9	521.9	454.2	410.8
22800.9	65°	17304.8	9278.2	700.7	530.0	507.4	512.2	512.2	472.0	399.5	349.5
22886.2	67.5°	17188.8	7944.5	558.9	447.8	444.6	447.8	459.1	425.3	354.4	314.1
21143.4	70°	15834.2	6319.2	447.8	372.1	386.6	378.5	410.8	388.2	318.9	278.7
16391.5	72.5°	12920.2	4552.1	341.5	307.7	296.4	309.3	370.5	349.5	265.8	220.7
8682.2	75°	7549.8	2429.1	254.5	243.2	214.2	257.7	328.6	298.0	203.0	162.7
2661.0	77.5°	2458.1	847.3	186.9	178.8	159.5	207.8	280.3	251.3	165.9	128.9
779.6	80°	658.8	256.1	127.3	117.6	103.1	154.6	222.3	199.7	119.2	83.8
335.0	82.5°	264.2	107.9	74.1	66.0	56.4	106.3	175.6	161.1	88.6	53.2
104.7	85°	85.4	35.4	27.4	20.9	25.8	66.0	104.7	109.5	62.8	27.4
16.1	87.5°	11.3	4.8	4.8	6.4	4.8	11.3	32.2	30.6	17.7	3.2
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°
3706.4
3268.3
2644.9
2045.7
1670.4
1533.5
1486.8
1433.6
1359.5
1264.5
1161.4
1061.5
982.6
929.4
889.2
892.4
863.4
797.3
732.9
678.1
641.1
615.3
567.0
526.7
470.4
407.5
344.7
307.7
273.8
215.8
157.9
124.0
82.2
53.2
20.9
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