

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: P852814

Luminaire Tested: **GLAN-SB6C-835-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852814
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6C-835-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28470 lumens
Efficiency: N/A
Efficacy: 94.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

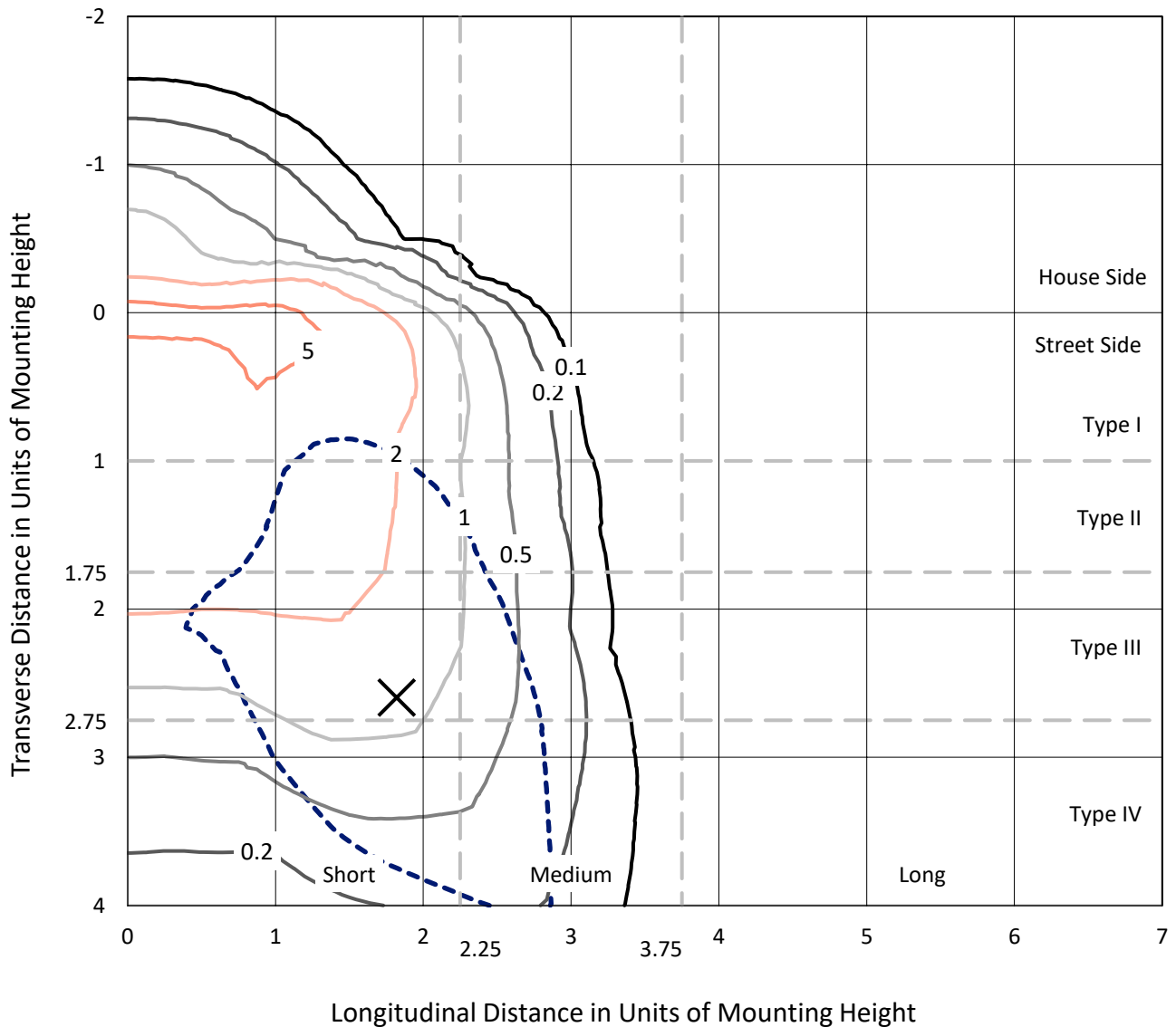
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

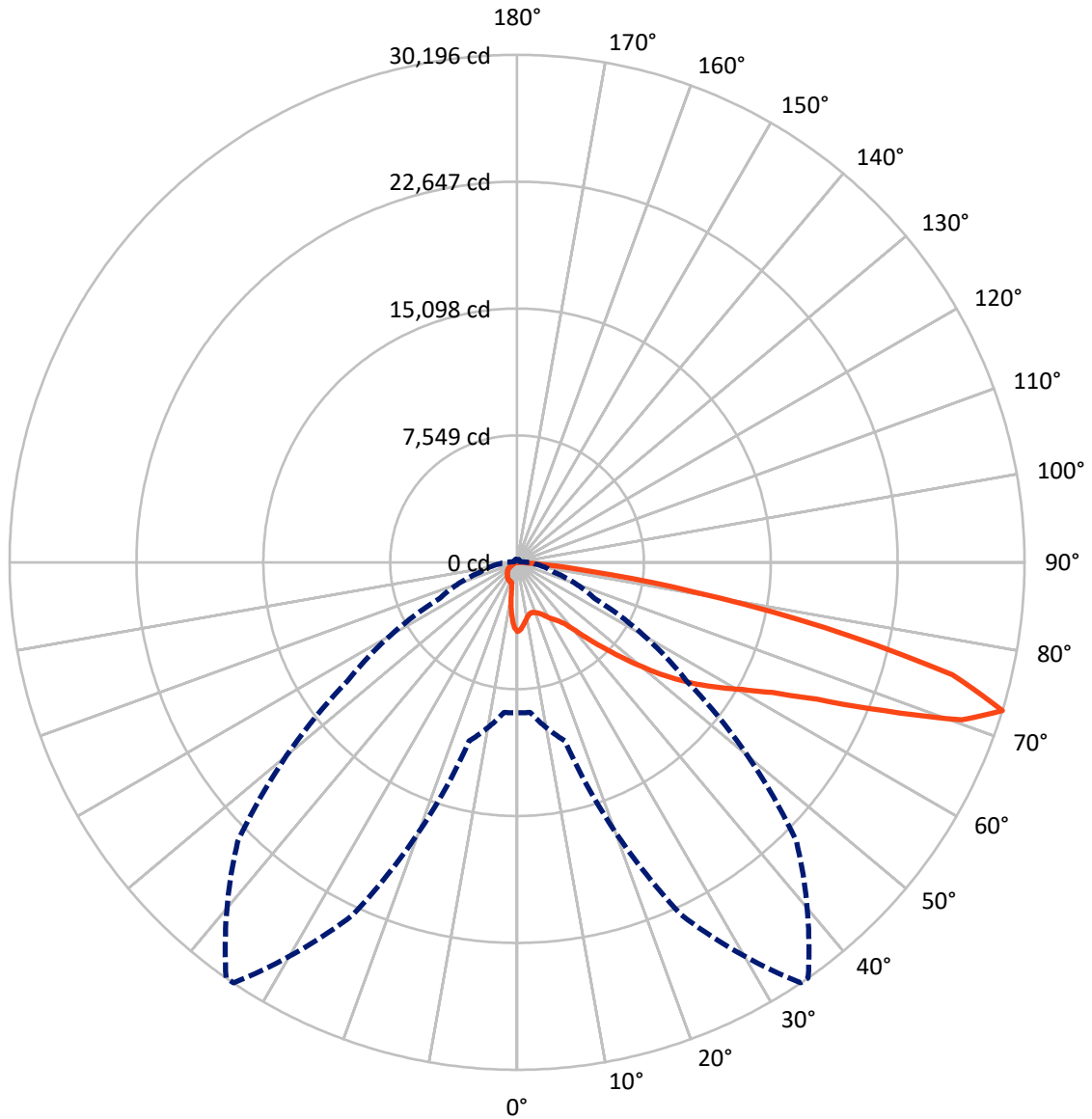
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3204.2	0.0	3204.2
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	25265.8	0.0	25265.8
	% Fixture	88.7	0.0	88.7
Total	Lumens	28470.0	0.0	28470.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	339.1	1.2
10°-20°	793.2	2.8
20°-30°	1288.6	4.5
30°-40°	2149.9	7.6
40°-50°	4067.7	14.3
50°-60°	6463.6	22.7
60°-70°	7995.9	28.1
70°-80°	4970.3	17.5
80°-90°	401.7	1.4
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°	28470.0	100.0
0°-180°	28470.0	100.0

Coefficient of Utilization

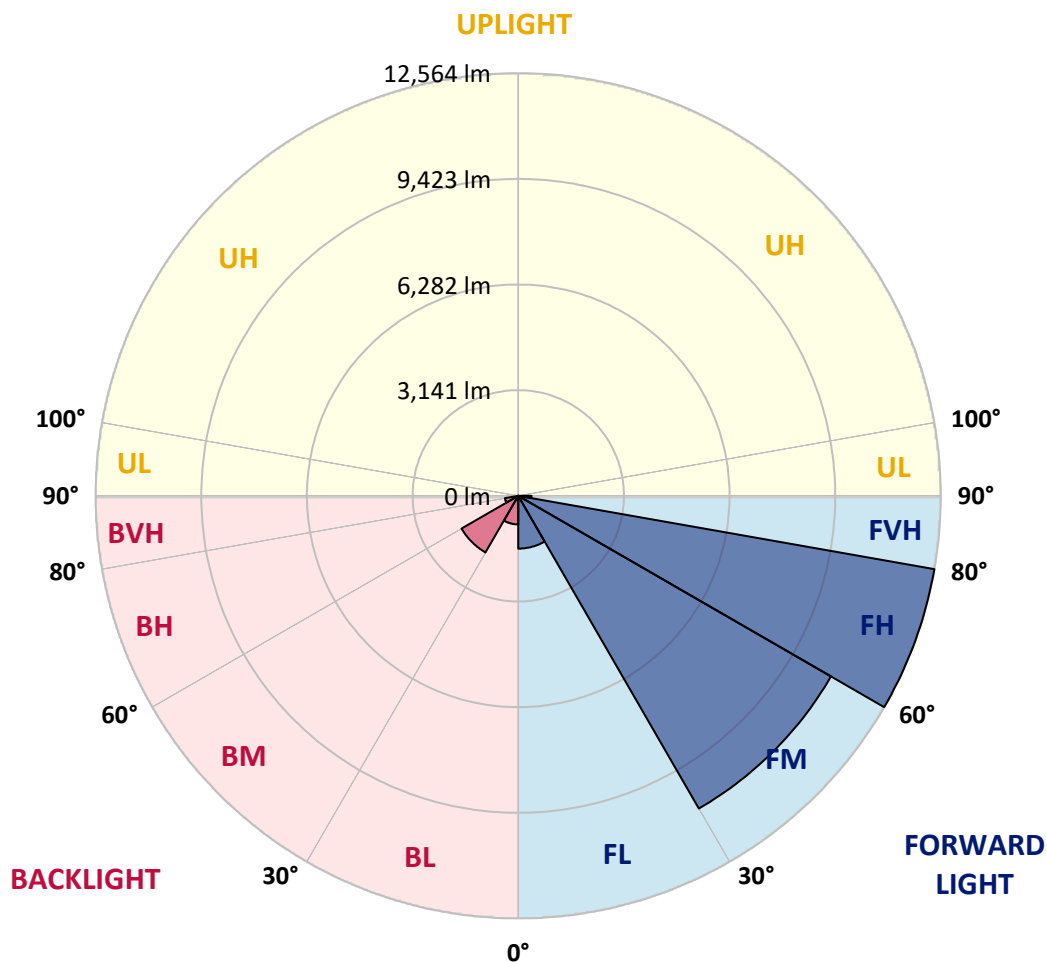


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1569.4	5.5			
FM (30°-60°)	10736.0	37.7			
FH (60°-80°)	12564.2	44.1			G5
FVH (80°-90°)	396.2	1.4			G3/500
BL (0°-30°)	851.4	3.0	B2/1000		
BM (30°-60°)	1945.2	6.8	B2/2500		
BH (60°-80°)	402.1	1.4	B1/500		G1/500
BVH (80°-90°)	5.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G5
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	4126.3	4126.3	4126.3	4126.3	4126.3	4126.3	4126.3	4126.3	4126.3	4126.3
2.5°	3942.7	3976.1	3982.3	3992.7	3992.7	4005.3	4026.1	4055.3	4103.3	4128.3
5°	3633.9	3659.0	3690.3	3715.3	3763.3	3769.5	3850.9	3930.2	4040.7	4124.2
7.5°	3323.1	3352.3	3394.0	3454.5	3517.1	3535.9	3659.0	3792.5	3967.7	4124.2
10°	3104.1	3106.2	3143.7	3204.2	3304.3	3327.3	3477.5	3667.3	3886.4	4099.1
12.5°	2981.0	2995.6	3012.3	3058.2	3154.1	3168.7	3329.4	3552.6	3805.0	4084.5
15°	2981.0	2991.4	3001.9	3024.8	3102.0	3114.5	3256.4	3479.6	3763.3	4090.8
17.5°	3012.3	3029.0	3020.6	3047.8	3129.1	3137.5	3262.6	3458.7	3761.2	4130.4
20°	3087.4	3099.9	3083.2	3099.9	3181.3	3198.0	3327.3	3498.3	3796.7	4199.3
22.5°	3206.3	3212.6	3172.9	3185.4	3268.9	3289.7	3439.9	3611.0	3882.2	4309.8
25°	3356.5	3369.0	3308.5	3323.1	3402.4	3427.4	3600.6	3780.0	4017.8	4462.1
27.5°	3529.6	3535.9	3483.7	3481.7	3583.9	3619.3	3794.6	3988.6	4199.3	4654.0
30°	3727.8	3746.6	3696.5	3688.2	3817.5	3846.7	4019.9	4245.2	4466.3	4941.9
32.5°	3884.3	3898.9	3869.7	3890.5	4022.0	4044.9	4293.1	4608.1	4885.6	5350.8
35°	4109.6	4117.9	4051.2	4088.7	4238.9	4297.3	4666.6	5117.1	5413.4	5864.0
37.5°	4925.2	4925.2	4641.5	4455.9	4599.8	4651.9	5177.6	5757.6	6064.2	6552.4
40°	6053.8	6035.0	5619.9	5240.2	5221.4	5323.7	5905.7	6564.9	6904.9	7378.4
42.5°	7257.5	7228.3	6662.9	6287.4	6224.8	6260.3	6746.4	7559.9	7906.2	8386.0
45°	8325.5	8317.2	7799.8	7295.0	7182.4	7295.0	7795.7	8724.0	8972.2	9477.0
47.5°	9220.5	9220.5	8842.9	8513.3	8454.9	8521.6	9216.3	10015.2	9992.3	10639.0
50°	10251.0	10242.6	9883.8	9742.0	9802.5	9896.3	10851.8	11375.4	11047.9	11780.1
52.5°	10972.8	11022.8	10899.7	10876.8	11185.5	11348.3	12512.3	12706.3	11992.8	12862.7
55°	11544.3	11602.8	11744.6	11905.2	12499.8	12712.5	14120.6	13968.4	12783.5	13801.5
57.5°	12353.7	12270.3	12489.3	12806.4	13768.1	14024.7	15678.9	15159.5	13419.7	14562.9
60°	13336.3	13348.8	13386.3	13786.9	15034.3	15363.9	17214.3	16286.0	13828.6	15030.2
62.5°	14517.0	14535.8	14613.0	15228.4	16734.5	17045.3	18849.8	17208.0	14016.3	14898.8
65°	14435.6	14514.9	15376.5	17481.3	19319.1	19625.8	20758.5	17854.7	13732.6	13697.2
67.5°	13150.6	13280.0	14721.4	20172.4	23215.9	23558.1	23065.7	17982.0	12508.1	10651.5
70°	11465.1	11511.0	13244.5	22592.2	27728.1	28074.4	25131.0	16582.2	9491.6	5941.1
72.5°	8953.4	8963.9	10997.8	23153.4	30177.2	30195.9	23510.1	12309.9	5104.6	2282.2
75°	6395.9	6333.3	7365.9	18776.8	26549.5	26762.3	17625.3	5774.3	1950.5	1078.5
77.5°	3429.5	3498.3	4168.0	11135.5	18340.8	18703.8	9616.8	1664.7	993.0	734.3
80°	1059.7	1118.1	1708.5	5098.4	10388.7	10607.7	3565.1	740.6	692.6	523.6
82.5°	333.8	346.3	796.9	2142.4	4311.9	4412.0	1032.6	419.3	473.5	346.3
85°	96.0	98.0	354.6	799.0	1066.0	1086.8	290.0	162.7	271.2	214.9
87.5°	10.4	33.4	133.5	133.5	93.9	91.8	31.3	35.5	77.2	27.1
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°
4126.3	0°	4126.3	4126.3	4126.3	4126.3	4126.3	4126.3	4126.3	4126.3	4126.3	4126.3
4145.0	2.5°	4134.6	4136.7	4109.6	4063.7	4013.6	3971.9	3919.7	3878.0	3848.8	3840.5
4182.6	5°	4163.8	4149.2	4072.0	3932.3	3765.4	3621.4	3460.8	3333.5	3250.1	3214.6
4222.2	7.5°	4207.6	4165.9	3996.9	3721.6	3402.4	3118.7	2830.8	2607.6	2465.7	2394.8
4259.8	10°	4245.2	4161.7	3871.8	3417.0	2928.9	2499.1	2111.1	1842.0	1691.8	1620.9
4303.6	12.5°	4280.6	4159.6	3709.0	3056.1	2394.8	1869.1	1508.2	1374.7	1333.0	1318.4
4374.5	15°	4347.4	4165.9	3504.6	2643.1	1862.9	1412.3	1280.9	1278.8	1287.1	1282.9
4483.0	17.5°	4439.2	4172.2	3273.1	2205.0	1437.3	1245.4	1239.1	1257.9	1270.4	1264.2
4618.6	20°	4558.1	4197.2	3026.9	1771.1	1235.0	1203.7	1218.3	1235.0	1245.4	1235.0
4800.1	22.5°	4725.0	4241.0	2757.8	1422.7	1170.3	1178.6	1191.1	1209.9	1220.4	1205.8
5031.6	25°	4929.4	4309.8	2492.9	1237.0	1139.0	1149.4	1168.2	1189.1	1201.6	1187.0
5323.7	27.5°	5194.3	4420.4	2248.8	1195.3	1107.7	1114.0	1141.1	1172.4	1189.1	1170.3
5738.8	30°	5578.2	4601.9	2038.1	1214.1	1088.9	1074.3	1111.9	1155.7	1174.5	1157.8
6304.1	32.5°	6087.2	4858.5	1908.8	1243.3	1080.6	1028.4	1063.9	1120.2	1151.5	1141.1
7042.6	35°	6754.7	5248.6	1858.7	1276.7	1074.3	980.5	1005.5	1066.0	1120.2	1130.7
7973.0	37.5°	7564.1	5790.9	1873.3	1291.3	1055.6	940.8	953.3	1005.5	1076.4	1109.8
9020.2	40°	8484.1	6423.0	1956.7	1276.7	1034.7	907.4	909.5	949.2	1011.7	1061.8
10146.7	42.5°	9433.2	7161.5	2111.1	1222.4	1015.9	878.2	872.0	899.1	940.8	976.3
11271.1	45°	10336.5	7920.8	2263.4	1147.3	993.0	849.0	834.4	844.9	853.2	867.8
12366.3	47.5°	11125.0	8454.9	2219.6	1078.5	961.7	815.7	790.6	786.5	761.4	759.3
13344.6	50°	11669.5	8571.7	1971.3	1009.7	915.8	778.1	738.5	713.4	669.6	648.8
14076.8	52.5°	11842.7	8110.7	1610.5	940.8	840.7	728.0	671.7	632.1	577.8	559.1
14498.2	55°	11613.2	7207.4	1287.1	857.4	736.4	661.3	598.7	546.6	502.7	479.8
14544.1	57.5°	11052.0	6058.0	1018.0	759.3	625.8	586.2	523.6	471.5	433.9	411.0
14035.1	60°	10121.6	4810.5	805.2	642.5	534.0	504.8	440.2	406.8	373.4	346.3
12720.9	62.5°	8709.4	3433.7	632.1	509.0	446.4	413.0	375.5	350.5	310.8	273.3
10357.4	65°	6796.4	2100.7	488.1	373.4	358.8	342.1	319.2	296.2	248.2	210.7
6756.8	67.5°	4286.9	995.1	348.4	281.6	283.7	275.4	264.9	246.2	210.7	177.3
3026.9	70°	1887.9	481.9	229.5	214.9	210.7	210.7	219.0	212.8	179.4	148.1
1051.4	72.5°	642.5	258.7	171.1	162.7	152.3	150.2	183.6	177.3	143.9	114.7
523.6	75°	335.9	173.1	125.2	116.8	91.8	110.6	146.0	137.7	102.2	75.1
346.3	77.5°	219.0	123.1	85.5	75.1	52.2	73.0	108.5	96.0	60.5	37.5
227.4	80°	137.7	81.4	50.1	35.5	25.0	39.6	58.4	41.7	22.9	8.3
133.5	82.5°	73.0	41.7	18.8	12.5	10.4	12.5	14.6	10.4	4.2	0.0
68.8	85°	29.2	14.6	6.3	4.2	2.1	0.0	4.2	2.1	0.0	0.0
12.5	87.5°	10.4	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
4126.3
3855.1
3227.2
2405.2
1623.0
1314.2
1280.9
1262.1
1232.9
1203.7
1184.9
1170.3
1155.7
1141.1
1130.7
1118.1
1078.5
990.9
876.2
757.2
650.9
557.0
479.8
406.8
340.0
267.0
204.4
173.1
141.9
108.5
68.8
33.4
6.3
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