

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: P852694

Luminaire Tested: **GLAN-SB5D-722-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852694
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-SB5D-722-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 900mA 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: 30435 lumens
Efficiency: N/A
Efficacy: 83.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

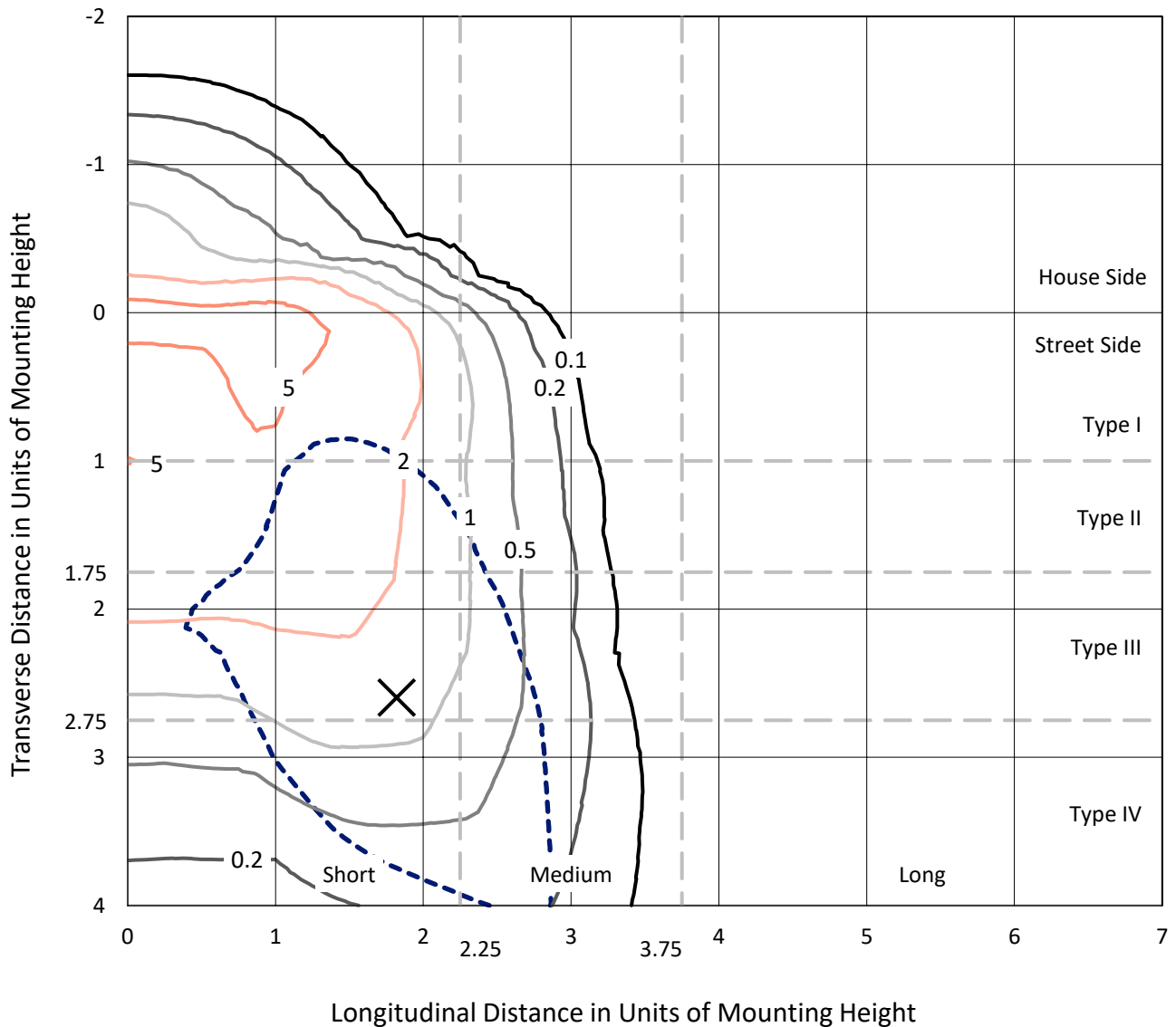
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

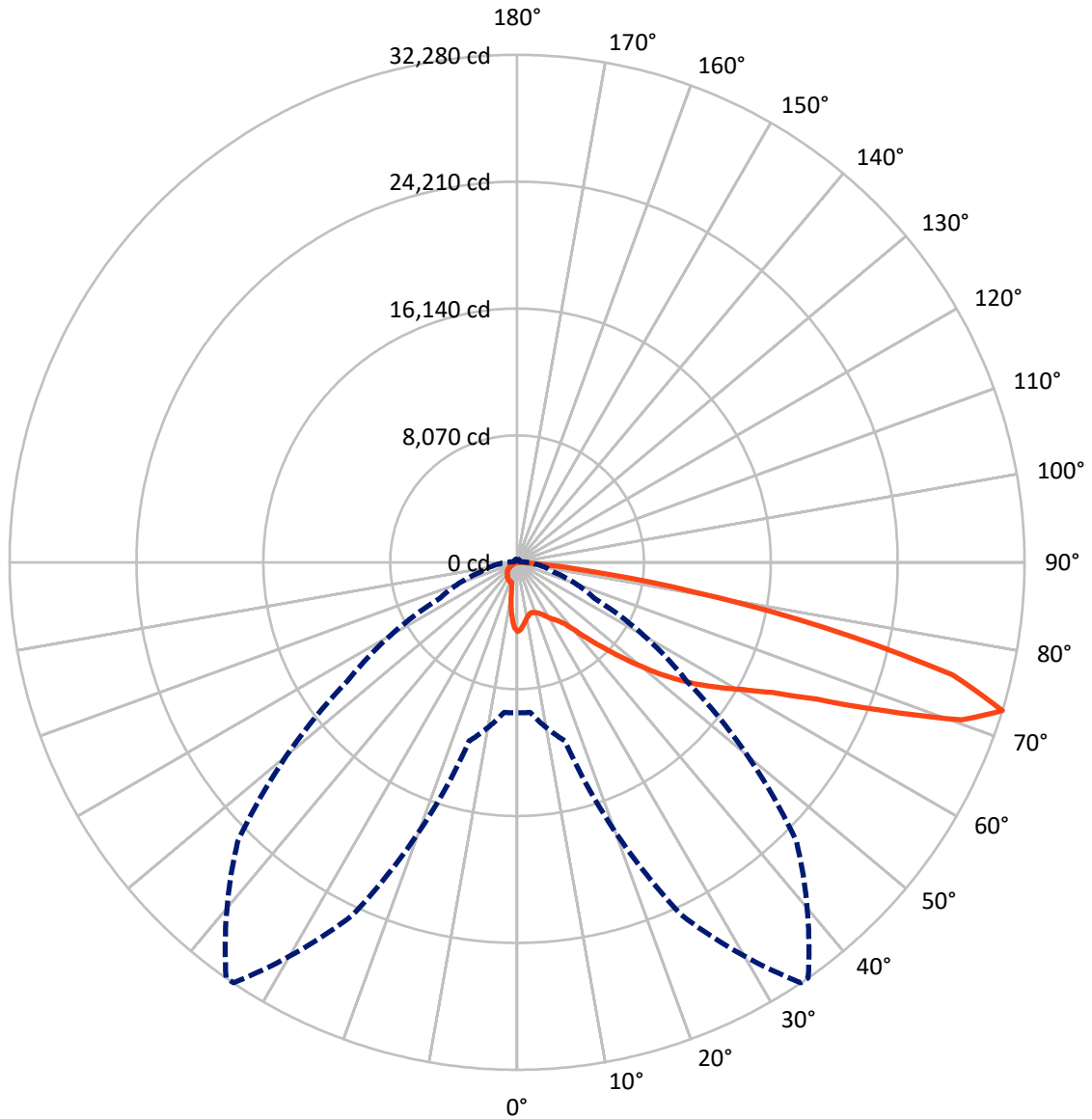
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 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	3425.3	0.0	3425.3
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	27009.7	0.0	27009.7
	% Fixture	88.7	0.0	88.7
Total	Lumens	30435.0	0.0	30435.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	362.5	1.2
10°-20°	848.0	2.8
20°-30°	1377.5	4.5
30°-40°	2298.3	7.6
40°-50°	4348.5	14.3
50°-60°	6909.7	22.7
60°-70°	8547.8	28.1
70°-80°	5313.4	17.5
80°-90°	429.4	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°	30435.0	100.0
0°-180°	30435.0	100.0

Coefficient of Utilization



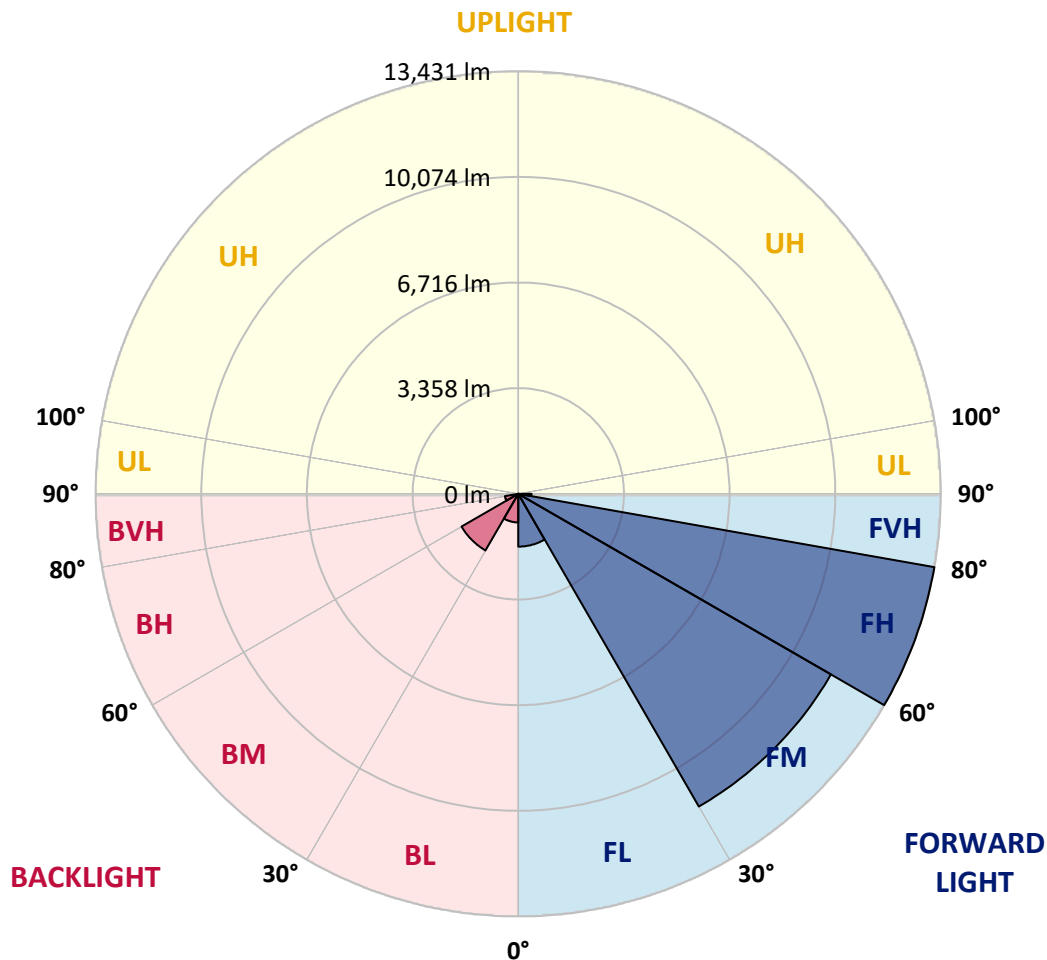
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1677.7	5.5			
FM (30°-60°)	11477.0	37.7			
FH (60°-80°)	13431.3	44.1			G5
FVH (80°-90°)	423.6	1.4			G3/500
BL (0°-30°)	910.2	3.0	B2/1000		
BM (30°-60°)	2079.5	6.8	B2/2500		
BH (60°-80°)	429.8	1.4	B1/500		G1/500
BVH (80°-90°)	5.8	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°	4411.1	4411.1	4411.1	4411.1	4411.1	4411.1	4411.1	4411.1	4411.1	4411.1
2.5°	4214.8	4250.5	4257.2	4268.3	4268.3	4281.7	4304.0	4335.2	4386.5	4413.3
5°	3884.8	3911.5	3945.0	3971.7	4023.0	4029.7	4116.7	4201.4	4319.6	4408.8
7.5°	3552.5	3583.7	3628.3	3693.0	3759.9	3779.9	3911.5	4054.2	4241.6	4408.8
10°	3318.3	3320.6	3360.7	3425.4	3532.4	3556.9	3717.5	3920.4	4154.6	4382.1
12.5°	3186.8	3202.4	3220.2	3269.3	3371.8	3387.5	3559.2	3797.8	4067.6	4366.5
15°	3186.8	3197.9	3209.1	3233.6	3316.1	3329.5	3481.1	3719.7	4023.0	4373.1
17.5°	3220.2	3238.0	3229.1	3258.1	3345.1	3354.0	3487.8	3697.4	4020.8	4415.5
20°	3300.5	3313.9	3296.0	3313.9	3400.8	3418.7	3556.9	3739.8	4058.7	4489.1
22.5°	3427.6	3434.3	3391.9	3405.3	3494.5	3516.8	3677.4	3860.2	4150.1	4607.3
25°	3588.2	3601.5	3536.9	3552.5	3637.2	3664.0	3849.1	4040.9	4295.1	4770.1
27.5°	3773.3	3779.9	3724.2	3722.0	3831.2	3869.1	4056.5	4263.9	4489.1	4975.3
30°	3985.1	4005.2	3951.7	3942.7	4081.0	4112.2	4297.3	4538.2	4774.6	5283.0
32.5°	4152.4	4168.0	4136.8	4159.1	4299.5	4324.1	4589.5	4926.2	5222.8	5720.1
35°	4393.2	4402.1	4330.8	4370.9	4531.5	4593.9	4988.6	5470.3	5787.0	6268.7
37.5°	5265.2	5265.2	4961.9	4763.4	4917.3	4973.0	5535.0	6155.0	6482.8	7004.6
40°	6471.6	6451.6	6007.8	5601.9	5581.8	5691.1	6313.3	7018.0	7381.5	7887.7
42.5°	7758.4	7727.1	7122.8	6721.4	6654.5	6692.4	7212.0	8081.7	8451.9	8964.8
45°	8900.2	8891.2	8338.2	7798.5	7678.1	7798.5	8333.7	9326.1	9591.5	10131.1
47.5°	9856.9	9856.9	9453.2	9100.9	9038.4	9109.8	9852.4	10706.5	10682.0	11373.3
50°	10958.5	10949.6	10566.0	10414.4	10479.0	10579.4	11600.8	12160.5	11810.4	12593.1
52.5°	11730.1	11783.6	11652.0	11627.5	11957.6	12131.5	13375.9	13583.3	12820.6	13750.5
55°	12341.1	12403.6	12555.2	12726.9	13362.5	13590.0	15095.3	14932.5	13665.8	14754.1
57.5°	13206.4	13117.2	13351.3	13690.3	14718.4	14992.7	16761.1	16205.8	14346.0	15568.0
60°	14256.8	14270.1	14310.3	14738.4	16072.0	16424.4	18402.4	17410.1	14783.0	16067.6
62.5°	15519.0	15539.0	15621.5	16279.4	17889.5	18221.8	20150.8	18395.7	14983.8	15927.1
65°	15432.0	15516.7	16437.7	18687.9	20652.6	20980.4	22191.3	19087.1	14680.5	14642.6
67.5°	14058.3	14196.5	15737.5	21564.6	24818.3	25184.0	24657.7	19223.1	13371.4	11386.7
70°	12256.4	12305.5	14158.6	24151.5	29641.9	30012.1	26865.5	17726.7	10146.8	6351.2
72.5°	9571.4	9582.6	11756.9	24751.4	32260.0	32280.1	25132.7	13159.6	5456.9	2439.7
75°	6837.4	6770.5	7874.3	20072.7	28381.9	28609.4	18841.7	6172.8	2085.1	1152.9
77.5°	3666.2	3739.8	4455.7	11904.0	19606.7	19994.7	10280.6	1779.6	1061.5	785.0
80°	1132.9	1195.3	1826.4	5450.3	11105.7	11339.8	3811.2	791.7	740.4	559.7
82.5°	356.8	370.2	851.9	2290.3	4609.5	4716.6	1103.9	448.2	506.2	370.2
85°	102.6	104.8	379.1	854.1	1139.6	1161.9	310.0	173.9	289.9	229.7
87.5°	11.2	35.7	142.7	142.7	100.4	98.1	33.5	37.9	82.5	29.0
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°
4411.1	0°	4411.1	4411.1	4411.1	4411.1	4411.1	4411.1	4411.1	4411.1	4411.1	4411.1
4431.1	2.5°	4420.0	4422.2	4393.2	4344.2	4290.6	4246.0	4190.3	4145.7	4114.5	4105.5
4471.3	5°	4451.2	4435.6	4353.1	4203.7	4025.3	3871.4	3699.7	3563.6	3474.4	3436.5
4513.6	7.5°	4498.0	4453.4	4272.8	3978.4	3637.2	3333.9	3026.2	2787.6	2635.9	2560.1
4553.8	10°	4538.2	4449.0	4139.0	3652.8	3131.0	2671.6	2256.8	1969.1	1808.6	1732.8
4600.6	12.5°	4576.1	4446.7	3965.0	3267.0	2560.1	1998.1	1612.3	1469.6	1425.0	1409.4
4676.4	15°	4647.4	4453.4	3746.5	2825.5	1991.4	1509.7	1369.3	1367.0	1375.9	1371.5
4792.4	17.5°	4745.6	4460.1	3499.0	2357.2	1536.5	1331.3	1324.7	1344.7	1358.1	1351.4
4937.3	20°	4872.7	4486.9	3235.8	1893.3	1320.2	1286.7	1302.4	1320.2	1331.3	1320.2
5131.4	22.5°	5051.1	4533.7	2948.1	1520.9	1251.1	1260.0	1273.4	1293.4	1304.6	1289.0
5378.9	25°	5269.6	4607.3	2664.9	1322.4	1217.6	1228.8	1248.8	1271.1	1284.5	1268.9
5691.1	27.5°	5552.8	4725.5	2404.0	1277.8	1184.2	1190.9	1219.8	1253.3	1271.1	1251.1
6134.9	30°	5963.2	4919.5	2178.8	1297.9	1164.1	1148.5	1188.6	1235.5	1255.5	1237.7
6739.2	32.5°	6507.3	5193.8	2040.5	1329.1	1155.2	1099.4	1137.3	1197.5	1231.0	1219.8
7528.7	35°	7220.9	5610.8	1987.0	1364.8	1148.5	1048.1	1074.9	1139.6	1197.5	1208.7
8523.3	37.5°	8086.2	6190.6	2002.6	1380.4	1128.4	1005.8	1019.1	1074.9	1150.7	1186.4
9642.8	40°	9069.6	6866.3	2091.8	1364.8	1106.1	970.1	972.3	1014.7	1081.6	1135.1
10847.0	42.5°	10084.3	7655.8	2256.8	1306.8	1086.0	938.9	932.2	961.2	1005.8	1043.7
12049.0	45°	11049.9	8467.5	2419.6	1226.5	1061.5	907.6	892.0	903.2	912.1	927.7
13219.8	47.5°	11892.9	9038.4	2372.8	1152.9	1028.1	872.0	845.2	840.7	814.0	811.7
14265.7	50°	12474.9	9163.3	2107.4	1079.3	979.0	831.8	789.4	762.7	715.8	693.5
15048.4	52.5°	12660.0	8670.5	1721.6	1005.8	898.7	778.3	718.1	675.7	617.7	597.7
15498.9	55°	12414.7	7704.8	1375.9	916.6	787.2	706.9	640.0	584.3	537.4	512.9
15548.0	57.5°	11814.8	6476.1	1088.3	811.7	669.0	626.6	559.7	504.0	463.9	439.3
15003.8	60°	10820.2	5142.5	860.8	686.9	570.9	539.7	470.5	434.9	399.2	370.2
13598.9	62.5°	9310.5	3670.7	675.7	544.1	477.2	441.6	401.4	374.6	332.3	292.1
11072.2	65°	7265.5	2245.7	521.8	399.2	383.6	365.7	341.2	316.7	265.4	225.2
7223.2	67.5°	4582.8	1063.7	372.4	301.1	303.3	294.4	283.2	263.1	225.2	189.6
3235.8	70°	2018.2	515.1	245.3	229.7	225.2	225.2	234.2	227.5	191.8	158.3
1123.9	72.5°	686.9	276.5	182.9	173.9	162.8	160.6	196.2	189.6	153.9	122.7
559.7	75°	359.0	185.1	133.8	124.9	98.1	118.2	156.1	147.2	109.3	80.3
370.2	77.5°	234.2	131.6	91.4	80.3	55.8	78.1	116.0	102.6	64.7	40.1
243.1	80°	147.2	87.0	53.5	37.9	26.8	42.4	62.4	44.6	24.5	8.9
142.7	82.5°	78.1	44.6	20.1	13.4	11.2	13.4	15.6	11.2	4.5	0.0
73.6	85°	31.2	15.6	6.7	4.5	2.2	0.0	4.5	2.2	0.0	0.0
13.4	87.5°	11.2	2.2	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°
4411.1
4121.1
3449.9
2571.3
1735.0
1404.9
1369.3
1349.2
1318.0
1286.7
1266.7
1251.1
1235.5
1219.8
1208.7
1195.3
1152.9
1059.3
936.6
809.5
695.8
595.4
512.9
434.9
363.5
285.4
218.5
185.1
151.6
<i>116.0</i>
73.6
35.7
6.7
0.0
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