

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: P853170

Luminaire Tested: **GLAN-SB9B-722-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853170  
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-SB9B-722-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 2200K, 450mA 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: 30367 lumens  
Efficiency: N/A  
Efficacy: 92.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G5

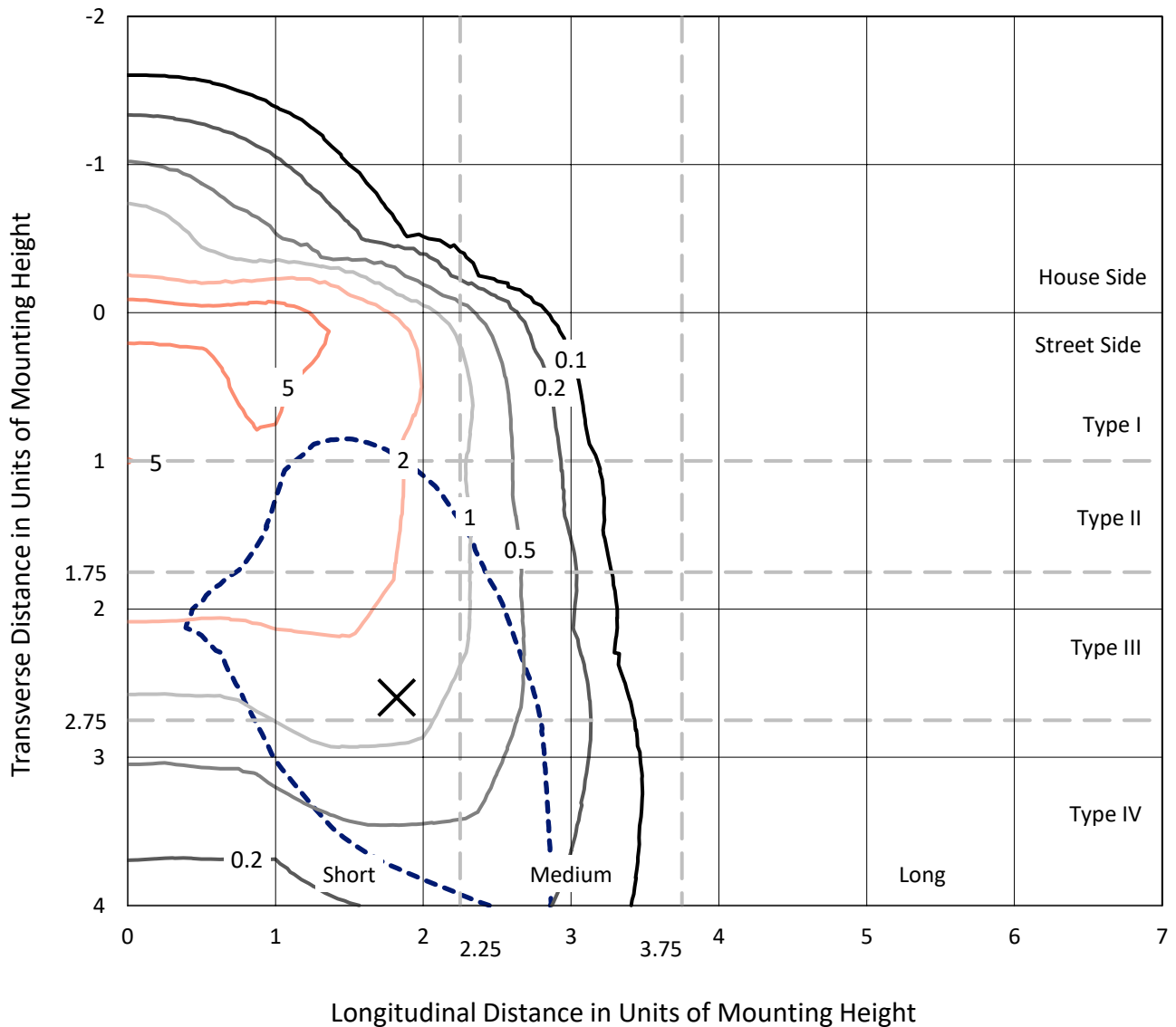
Input Watts (W): 329.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

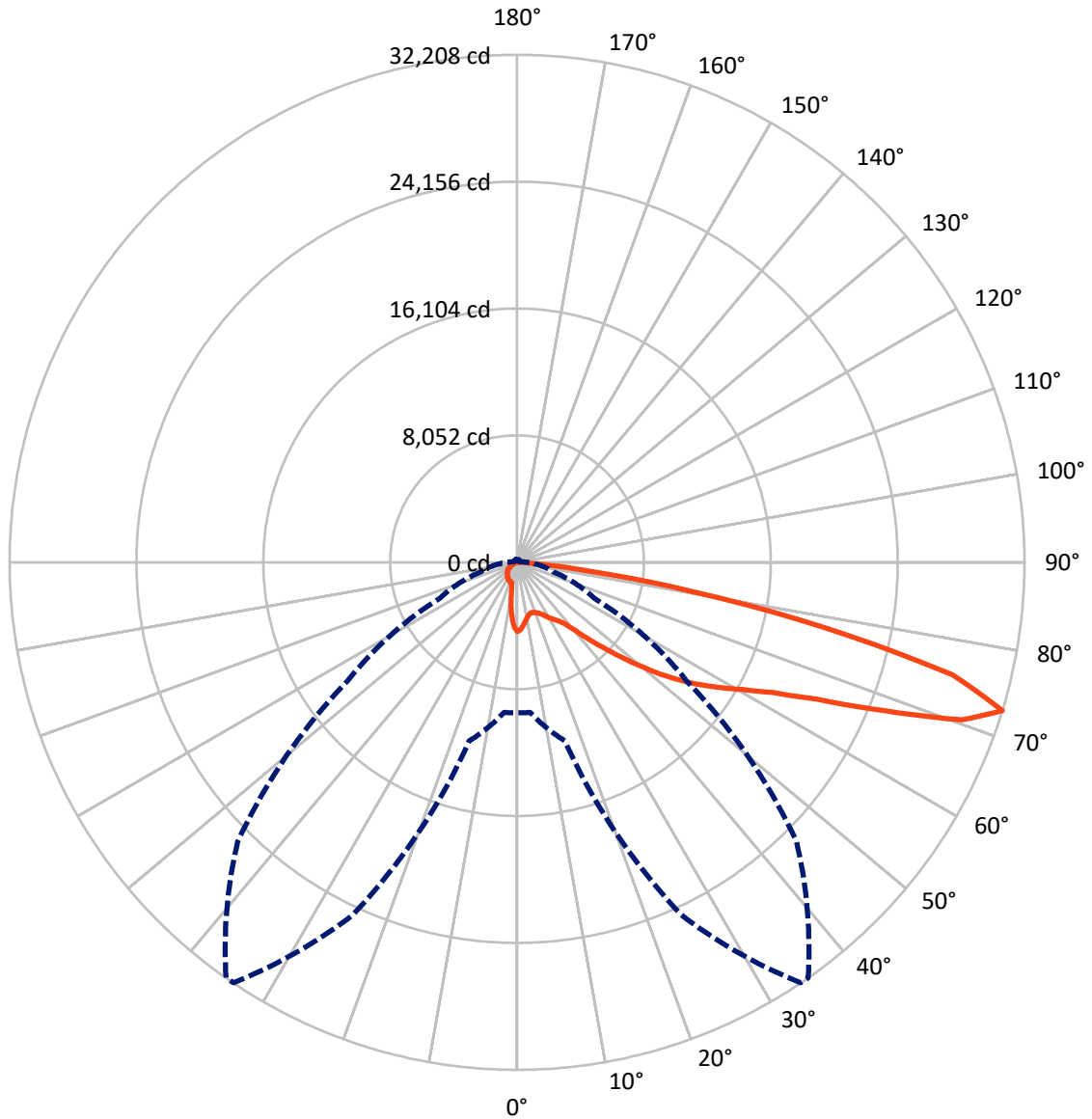
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc  
 Type 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
<b>House Side</b>	Lumens	3417.7	0.0	3417.7
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	26949.3	0.0	26949.3
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	30367.0	0.0	30367.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	361.7	1.2
10°-20°	846.1	2.8
20°-30°	1374.4	4.5
30°-40°	2293.2	7.6
40°-50°	4338.8	14.3
50°-60°	6894.3	22.7
60°-70°	8528.7	28.1
70°-80°	5301.5	17.5
80°-90°	428.5	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°	30367.0	100.0
0°-180°	30367.0	100.0

**Coefficient of Utilization**

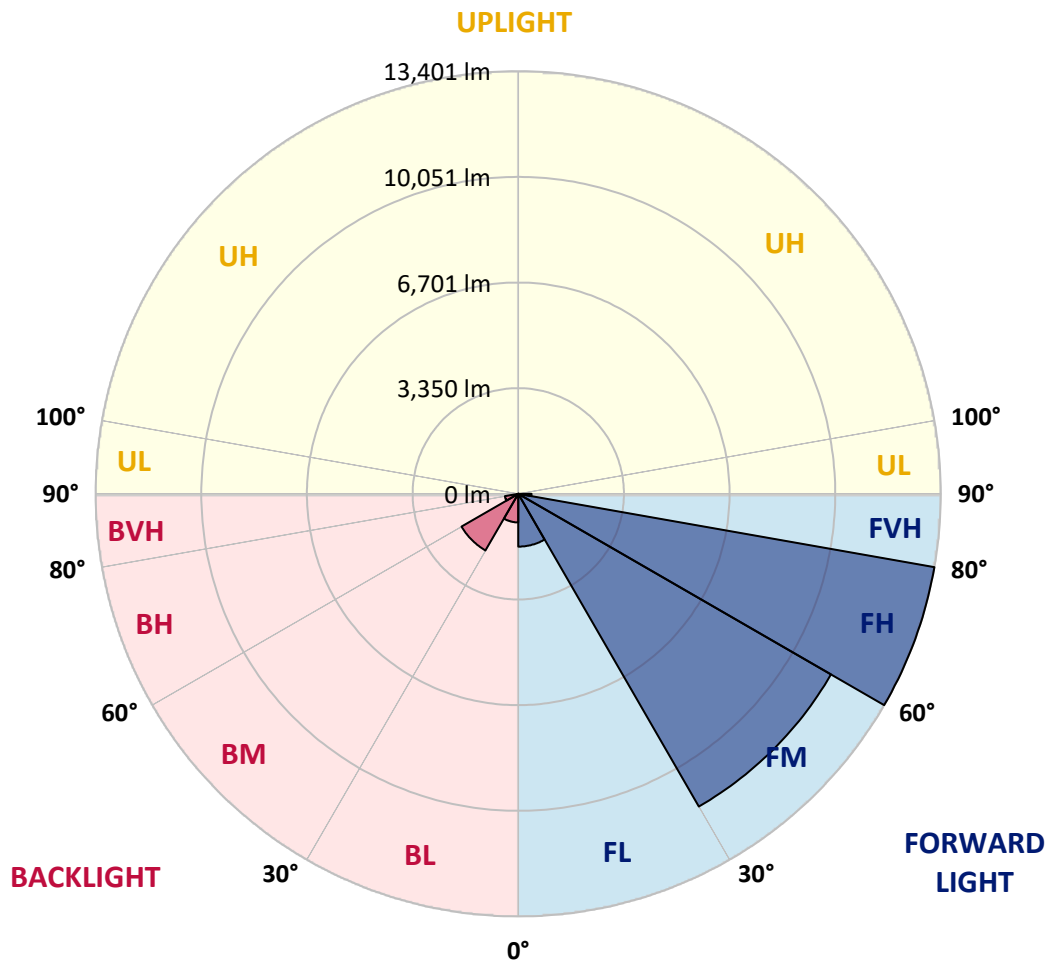


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1674.0	5.5			
FM (30°-60°)	11451.4	37.7			
FH (60°-80°)	13401.3	44.1			G5
FVH (80°-90°)	422.6	1.4			G3/500
BL (0°-30°)	908.1	3.0	B2/1000		
BM (30°-60°)	2074.8	6.8	B2/2500		
BH (60°-80°)	428.9	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°	4401.2	4401.2	4401.2	4401.2	4401.2	4401.2	4401.2	4401.2	4401.2	4401.2
2.5°	4205.4	4241.0	4247.7	4258.8	4258.8	4272.1	4294.4	4325.5	4376.7	4403.4
5°	3876.1	3902.8	3936.2	3962.9	4014.0	4020.7	4107.5	4192.0	4310.0	4399.0
7.5°	3544.5	3575.7	3620.2	3684.7	3751.5	3771.5	3902.8	4045.2	4232.1	4399.0
10°	3310.9	3313.1	3353.2	3417.7	3524.5	3549.0	3709.2	3911.7	4145.3	4372.3
12.5°	3179.6	3195.2	3213.0	3262.0	3364.3	3379.9	3551.2	3789.3	4058.5	4356.7
15°	3179.6	3190.8	3201.9	3226.4	3308.7	3322.0	3473.3	3711.4	4014.0	4363.4
17.5°	3213.0	3230.8	3221.9	3250.8	3337.6	3346.5	3480.0	3689.2	4011.8	4405.6
20°	3293.1	3306.5	3288.7	3306.5	3393.2	3411.0	3549.0	3731.4	4049.6	4479.1
22.5°	3419.9	3426.6	3384.3	3397.7	3486.7	3508.9	3669.1	3851.6	4140.9	4597.0
25°	3580.1	3593.5	3529.0	3544.5	3629.1	3655.8	3840.5	4031.8	4285.5	4759.4
27.5°	3764.8	3771.5	3715.9	3713.6	3822.7	3860.5	4047.4	4254.3	4479.1	4964.1
30°	3976.2	3996.2	3942.8	3933.9	4071.9	4103.0	4287.7	4528.0	4763.9	5271.2
32.5°	4143.1	4158.7	4127.5	4149.8	4289.9	4314.4	4579.2	4915.2	5211.1	5707.3
35°	4383.4	4392.3	4321.1	4361.1	4521.4	4583.7	4977.5	5458.1	5774.1	6254.7
37.5°	5253.4	5253.4	4950.8	4752.8	4906.3	4961.9	5522.6	6141.2	6468.3	6989.0
40°	6457.2	6437.1	5994.3	5589.4	5569.4	5678.4	6299.2	7002.3	7365.0	7870.1
42.5°	7741.0	7709.9	7106.9	6706.4	6639.6	6677.4	7195.9	8063.7	8433.0	8944.8
45°	8880.3	8871.4	8319.6	7781.1	7660.9	7781.1	8315.1	9305.3	9570.0	10108.5
47.5°	9834.8	9834.8	9432.1	9080.5	9018.2	9089.4	9830.4	10682.6	10658.1	11347.9
50°	10934.0	10925.1	10542.4	10391.1	10455.6	10555.8	11574.8	12133.3	11784.0	12565.0
52.5°	11703.9	11757.3	11626.0	11601.5	11930.8	12104.4	13346.0	13552.9	12792.0	13719.8
55°	12313.6	12375.9	12527.2	12698.5	13332.6	13559.6	15061.5	14899.1	13635.3	14721.1
57.5°	13176.9	13087.9	13321.5	13659.7	14685.5	14959.2	16723.7	16169.6	14313.9	15533.2
60°	14224.9	14238.2	14278.3	14705.5	16036.1	16387.7	18361.3	17371.2	14750.0	16031.7
62.5°	15484.3	15504.3	15586.6	16243.0	17849.5	18181.1	20105.8	18354.6	14950.3	15891.5
65°	15397.5	15482.1	16401.0	18646.1	20606.4	20933.5	22141.7	19044.4	14647.7	14609.8
67.5°	14026.9	14164.8	15702.3	21516.5	24762.8	25127.8	24602.6	19180.1	13341.5	11361.2
70°	12229.0	12278.0	14127.0	24097.6	29575.7	29945.0	26805.5	17687.1	10124.1	6337.0
72.5°	9550.0	9561.1	11730.6	24696.1	32187.9	32207.9	25076.6	13130.2	5444.8	2434.2
75°	6822.1	6755.3	7856.7	20027.9	28318.5	28545.5	18799.7	6159.0	2080.4	1150.4
77.5°	3658.0	3731.4	4445.7	11877.4	19562.9	19950.0	10257.6	1775.6	1059.1	783.2
80°	1130.3	1192.6	1822.3	5438.1	11080.9	11314.5	3802.7	789.9	738.7	558.5
82.5°	356.0	369.4	850.0	2285.2	4599.2	4706.0	1101.4	447.2	505.1	369.4
85°	102.4	104.6	378.3	852.2	1137.0	1159.3	309.3	173.6	289.3	229.2
87.5°	11.1	35.6	142.4	142.4	100.1	97.9	33.4	37.8	82.3	28.9
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°
4401.2	0°	4401.2	4401.2	4401.2	4401.2	4401.2	4401.2	4401.2	4401.2	4401.2	4401.2
4421.2	2.5°	4410.1	4412.3	4383.4	4334.4	4281.0	4236.5	4180.9	4136.4	4105.3	4096.4
4461.3	5°	4441.2	4425.7	4343.3	4194.3	4016.3	3862.7	3691.4	3555.7	3466.7	3428.8
4503.5	7.5°	4488.0	4443.5	4263.2	3969.5	3629.1	3326.5	3019.4	2781.3	2630.0	2554.4
4543.6	10°	4528.0	4439.0	4129.7	3644.7	3124.0	2665.6	2251.8	1964.7	1804.5	1728.9
4590.3	12.5°	4565.9	4436.8	3956.2	3259.7	2554.4	1993.7	1608.7	1466.3	1421.8	1406.2
4666.0	15°	4637.1	4443.5	3738.1	2819.2	1987.0	1506.4	1366.2	1364.0	1372.9	1368.4
4781.7	17.5°	4735.0	4450.1	3491.1	2351.9	1533.1	1328.4	1321.7	1341.7	1355.1	1348.4
4926.3	20°	4861.8	4476.8	3228.6	1889.1	1317.2	1283.9	1299.4	1317.2	1328.4	1317.2
5119.9	22.5°	5039.8	4523.6	2941.5	1517.5	1248.3	1257.2	1270.5	1290.5	1301.7	1286.1
5366.9	25°	5257.8	4597.0	2659.0	1319.5	1214.9	1226.0	1246.0	1268.3	1281.6	1266.1
5678.4	27.5°	5540.4	4714.9	2398.6	1275.0	1181.5	1188.2	1217.1	1250.5	1268.3	1248.3
6121.2	30°	5949.8	4908.5	2173.9	1295.0	1161.5	1145.9	1186.0	1232.7	1252.7	1234.9
6724.2	32.5°	6492.8	5182.2	2035.9	1326.1	1152.6	1097.0	1134.8	1194.9	1228.2	1217.1
7511.8	35°	7204.8	5598.3	1982.5	1361.7	1145.9	1045.8	1072.5	1137.0	1194.9	1206.0
8504.2	37.5°	8068.1	6176.8	1998.1	1377.3	1125.9	1003.5	1016.9	1072.5	1148.1	1183.7
9621.2	40°	9049.4	6851.0	2087.1	1361.7	1103.6	967.9	970.1	1012.4	1079.2	1132.6
10822.8	42.5°	10061.8	7638.7	2251.8	1303.9	1083.6	936.8	930.1	959.0	1003.5	1041.3
12022.1	45°	11025.2	8448.6	2414.2	1223.8	1059.1	905.6	890.0	901.2	910.1	925.6
13190.2	47.5°	11866.3	9018.2	2367.5	1150.4	1025.8	870.0	843.3	838.9	812.2	809.9
14233.8	50°	12447.1	9142.8	2102.7	1076.9	976.8	830.0	787.7	761.0	714.2	692.0
15014.8	52.5°	12631.7	8651.1	1717.8	1003.5	896.7	776.6	716.5	674.2	616.3	596.3
15464.3	55°	12387.0	7687.6	1372.9	914.5	785.5	705.3	638.6	583.0	536.2	511.8
15513.2	57.5°	11788.4	6461.6	1085.8	809.9	667.5	625.2	558.5	502.9	462.8	438.3
14970.3	60°	10796.1	5131.0	858.9	685.3	569.6	538.5	469.5	433.9	398.3	369.4
13568.5	62.5°	9289.7	3662.5	674.2	542.9	476.2	440.6	400.5	373.8	331.5	291.5
11047.5	65°	7249.3	2240.6	520.7	398.3	382.7	364.9	340.4	316.0	264.8	224.7
7207.0	67.5°	4572.5	1061.4	371.6	300.4	302.6	293.7	282.6	262.6	224.7	189.1
3228.6	70°	2013.7	514.0	244.8	229.2	224.7	224.7	233.6	227.0	191.4	158.0
1121.4	72.5°	685.3	275.9	182.5	173.6	162.4	160.2	195.8	189.1	153.5	122.4
558.5	75°	358.2	184.7	133.5	124.6	97.9	117.9	155.8	146.9	109.0	80.1
369.4	77.5°	233.6	131.3	91.2	80.1	55.6	77.9	115.7	102.4	64.5	40.1
242.5	80°	146.9	86.8	53.4	37.8	26.7	42.3	62.3	44.5	24.5	8.9
142.4	82.5°	77.9	44.5	20.0	13.4	11.1	13.4	15.6	11.1	4.5	0.0
73.4	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°	11.1	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°
4401.2
4111.9
3442.2
2565.5
1731.1
1401.8
1366.2
1346.2
1315.0
1283.9
1263.8
1248.3
1232.7
1217.1
1206.0
1192.6
1150.4
1056.9
934.5
807.7
694.2
594.1
511.8
433.9
362.7
284.8
218.1
184.7
151.3
115.7
73.4
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6.7
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