

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: P847635

Luminaire Tested: **GLAN-SB3D-827-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847635
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-SB3D-827-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 2700K, 900mA 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: 17776 lumens
Efficiency: N/A
Efficacy: 81.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

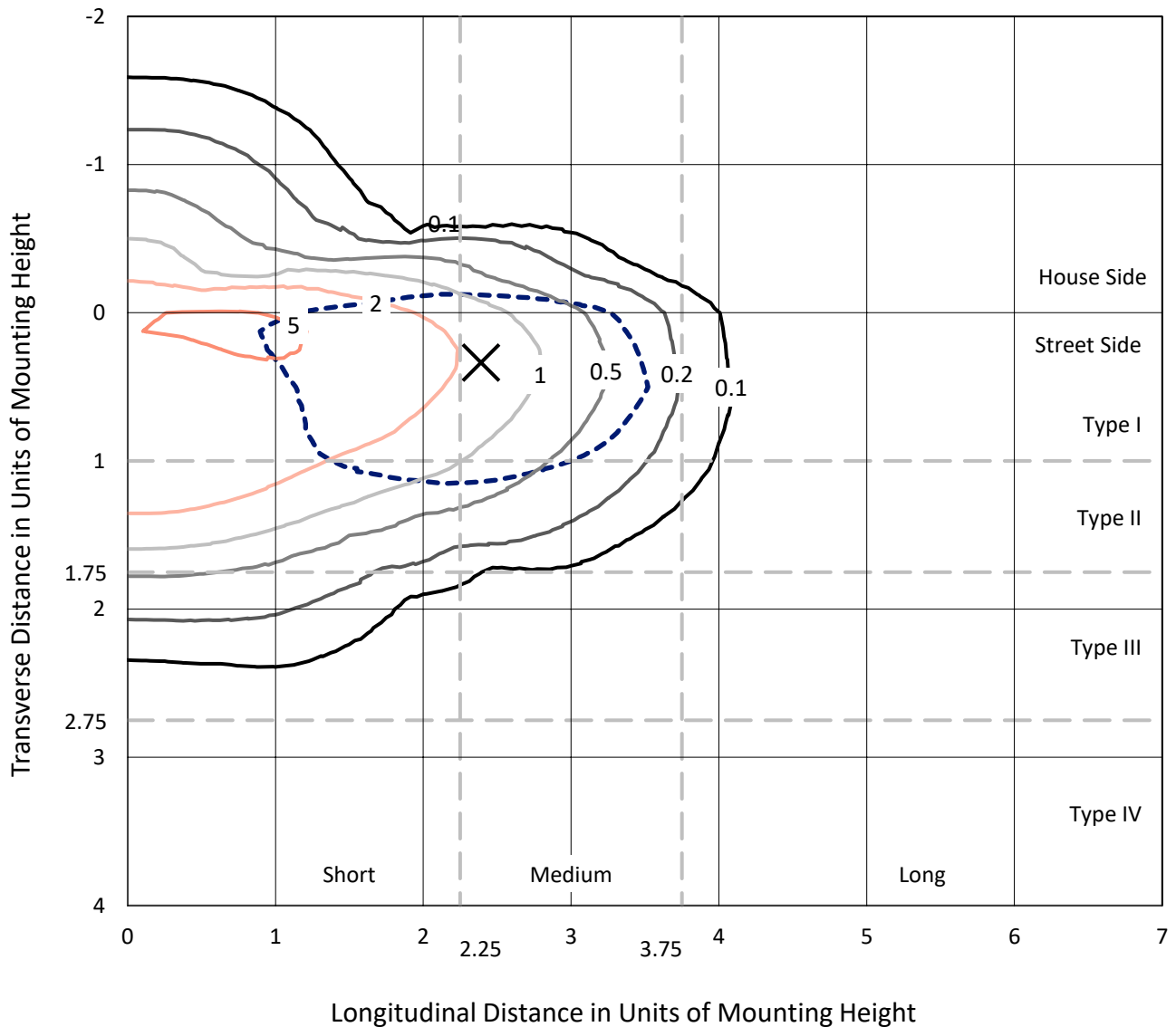
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

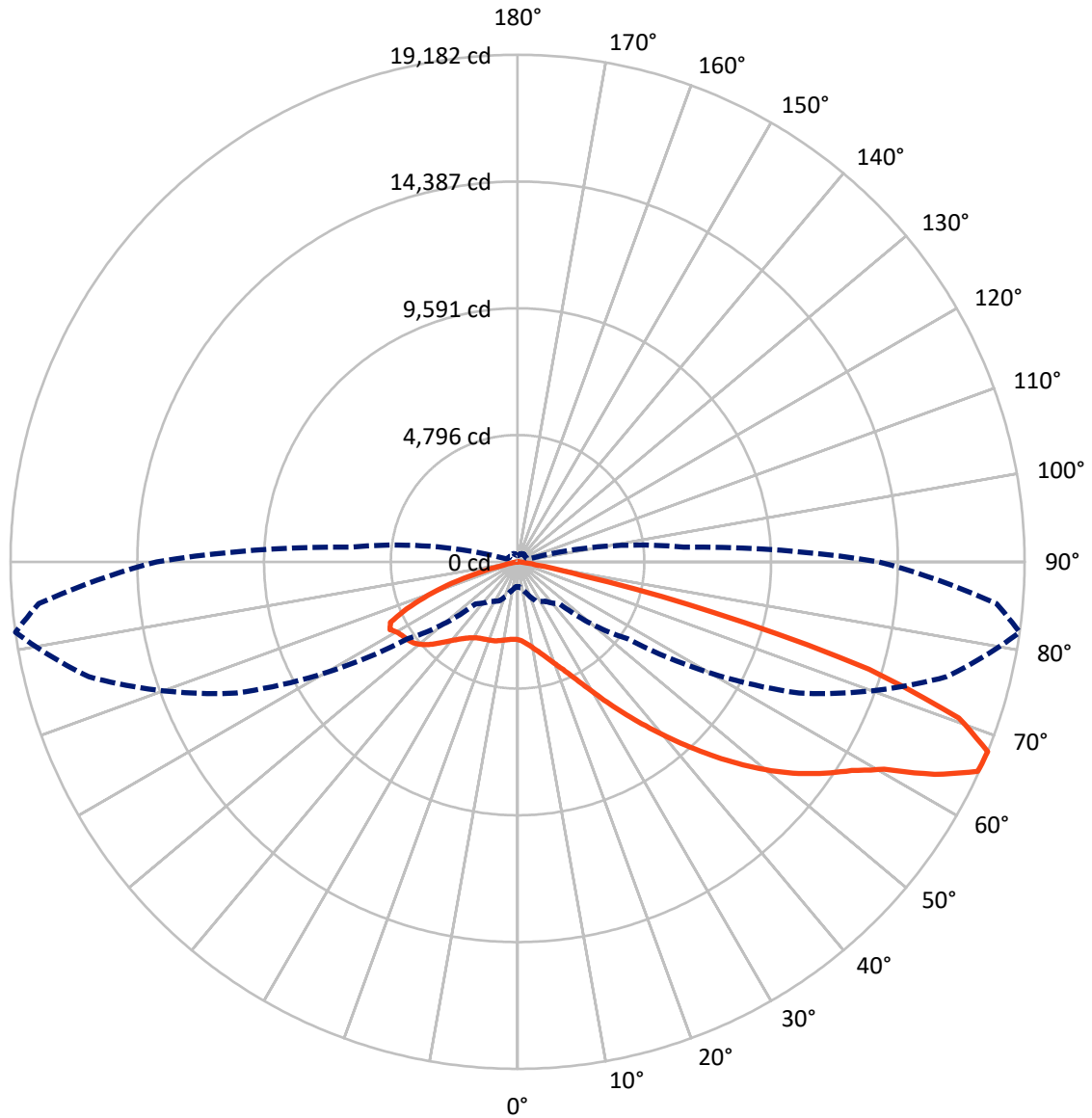
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 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	3220.0	0.0	3220.0
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	14556.0	0.0	14556.0
	% Fixture	81.9	0.0	81.9
Total	Lumens	17776.0	0.0	17776.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.4	1.5
10°-20°	681.8	3.8
20°-30°	1092.0	6.1
30°-40°	1931.0	10.9
40°-50°	3383.3	19.0
50°-60°	4512.4	25.4
60°-70°	4200.8	23.6
70°-80°	1612.3	9.1
80°-90°	100.1	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°	17776.0	100.0
0°-180°	17776.0	100.0

Coefficient of Utilization

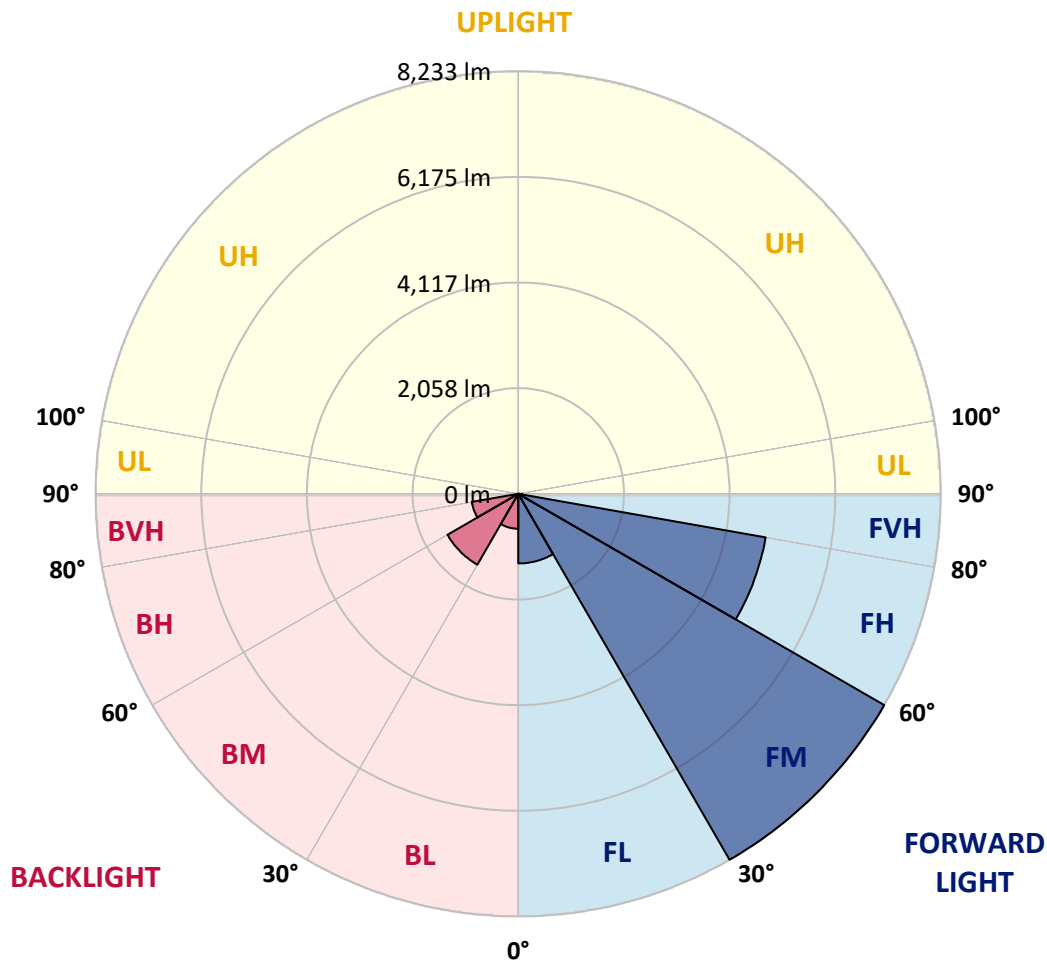


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1356.1	7.6			
FM (30°-60°)	8233.1	46.3			
FH (60°-80°)	4894.0	27.5			G2/5000
FVH (80°-90°)	72.8	0.4			G1/100
BL (0°-30°)	680.0	3.8	B2/1000		
BM (30°-60°)	1593.5	9.0	B2/2500		
BH (60°-80°)	919.0	5.2	B2/1000		G2/1000
BVH (80°-90°)	27.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2944.9	2944.9	2944.9	2944.9	2944.9	2944.9	2944.9	2944.9	2944.9	2944.9
2.5°	3112.5	3130.5	3120.2	3115.1	3106.1	3093.3	3083.1	3051.1	3017.8	2996.1
5°	3175.3	3193.2	3191.9	3197.0	3203.4	3207.2	3204.7	3168.9	3121.5	3084.4
7.5°	3121.5	3142.0	3158.6	3184.2	3229.0	3276.4	3299.4	3291.7	3243.1	3191.9
10°	2969.2	2991.0	3030.6	3090.8	3185.5	3287.9	3373.6	3413.3	3382.6	3326.3
12.5°	2690.2	2712.0	2790.0	2920.6	3079.3	3257.2	3421.0	3527.2	3534.9	3478.6
15°	2376.6	2398.4	2481.6	2645.4	2887.3	3172.7	3446.6	3647.5	3715.3	3666.7
17.5°	2182.1	2201.3	2264.0	2395.8	2648.0	3003.8	3437.6	3775.5	3930.3	3892.0
20°	2123.2	2139.9	2169.3	2261.5	2471.3	2828.4	3378.7	3895.8	4162.0	4140.2
22.5°	2185.9	2201.3	2210.3	2251.2	2383.0	2713.2	3304.5	4018.7	4430.8	4433.3
25°	2330.6	2345.9	2335.7	2361.3	2418.9	2677.4	3276.4	4163.3	4768.6	4796.8
27.5°	2568.6	2569.9	2545.6	2544.3	2553.3	2731.2	3305.8	4318.1	5194.8	5247.3
30°	3046.0	3026.8	2933.4	2832.3	2786.2	2892.4	3387.7	4501.2	5697.8	5791.2
32.5°	3781.9	3753.7	3582.2	3340.3	3097.2	3152.2	3534.9	4709.8	6245.6	6414.5
35°	4580.5	4572.8	4393.6	4034.0	3609.1	3522.1	3774.2	4983.6	6843.2	7112.0
37.5°	5322.8	5319.0	5216.6	4793.0	4275.9	4037.9	4158.2	5342.0	7483.1	7872.2
40°	6001.1	6012.6	5910.2	5531.4	5010.5	4699.5	4680.3	5784.8	8194.7	8700.3
42.5°	6587.3	6600.1	6496.4	6216.1	5736.2	5431.6	5321.5	6327.5	8889.7	9589.7
45°	6985.3	7064.6	7049.3	6825.3	6481.0	6164.9	6092.0	7008.3	9681.9	10533.0
47.5°	7097.9	7170.9	7286.1	7316.8	7106.9	6795.9	6882.9	7828.7	10483.1	11477.5
50°	6820.2	6888.0	7127.4	7446.0	7591.9	7495.9	7652.1	8707.9	11303.4	12419.4
52.5°	6272.4	6341.5	6643.6	7147.8	7743.0	8045.0	8423.8	9574.4	12098.2	13311.5
55°	5480.2	5553.2	5941.0	6511.8	7455.0	8271.5	9067.6	10439.5	12826.4	14113.9
57.5°	4402.6	4456.4	4859.5	5658.1	6730.6	8046.3	9542.4	11384.1	13512.4	14902.3
60°	2869.4	2916.7	3385.1	4275.9	5530.1	7293.7	9637.1	12437.4	14423.6	15927.4
62.5°	1908.2	1940.2	2217.9	2871.9	3894.5	5848.8	9082.9	13278.2	15759.8	17711.5
65°	1309.3	1341.3	1619.0	2074.6	2516.1	3868.9	7489.5	13166.9	16970.5	19128.3
67.5°	934.3	961.1	1196.6	1626.7	1821.2	2247.4	5077.1	11743.7	16796.4	19182.0
70°	669.3	684.7	879.2	1267.0	1447.5	1350.2	2823.3	8981.8	14706.5	17712.8
72.5°	468.4	473.5	610.5	965.0	1165.9	985.5	1343.8	5988.3	11123.0	13902.8
75°	317.4	323.8	410.8	707.7	935.6	752.5	711.6	3211.1	6529.7	7695.6
77.5°	194.5	197.1	264.9	483.8	700.1	573.4	458.2	1360.5	2526.4	2480.3
80°	110.1	110.1	168.9	300.8	477.4	369.9	321.2	578.5	799.9	702.6
82.5°	61.4	62.7	122.9	186.9	316.1	218.9	176.6	267.5	345.6	305.9
85°	25.6	28.2	75.5	88.3	151.0	108.8	71.7	112.6	128.0	113.9
87.5°	2.6	3.8	23.0	16.6	17.9	21.8	10.2	21.8	17.9	17.9
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°
2944.9	0°	2944.9	2944.9	2944.9	2944.9	2944.9	2944.9	2944.9	2944.9	2944.9	2944.9
2988.4	2.5°	2964.1	2944.9	2896.2	2839.9	2765.7	2729.9	2681.2	2648.0	2619.8	2622.4
3062.6	5°	3021.7	2973.0	2864.3	2728.6	2559.7	2439.4	2311.4	2223.1	2151.4	2136.0
3165.0	7.5°	3101.0	3024.2	2833.5	2589.1	2303.7	2087.4	1894.1	1770.0	1681.7	1653.5
3289.2	10°	3203.4	3092.1	2793.9	2413.8	2002.9	1727.8	1520.4	1423.2	1363.0	1342.5
3435.1	12.5°	3322.4	3170.1	2741.4	2200.0	1693.2	1428.3	1296.5	1247.8	1228.6	1222.2
3614.2	15°	3472.2	3267.4	2662.0	1946.6	1430.8	1245.3	1189.0	1182.6	1185.1	1182.6
3829.2	17.5°	3650.1	3373.6	2532.8	1685.5	1254.2	1151.8	1131.4	1136.5	1142.9	1141.6
4069.8	20°	3844.6	3478.6	2367.7	1453.9	1133.9	1085.3	1073.8	1078.9	1084.0	1081.5
4347.6	22.5°	4066.0	3591.2	2184.7	1273.4	1053.3	1023.9	1011.1	1012.3	1012.3	1007.2
4699.5	25°	4330.9	3715.3	1992.7	1145.4	991.9	968.8	953.5	948.4	940.7	925.3
5127.0	27.5°	4647.1	3847.2	1808.4	1055.9	943.2	921.5	903.6	890.8	871.6	846.0
5640.2	30°	5002.8	4007.1	1652.3	999.5	904.8	883.1	862.6	843.4	815.2	783.3
6230.2	32.5°	5421.3	4178.6	1538.4	962.4	870.3	847.2	822.9	799.9	769.2	737.2
6893.1	35°	5920.5	4386.0	1471.8	936.8	843.4	812.7	785.8	760.2	737.2	709.0
7613.7	37.5°	6461.8	4606.1	1451.3	924.0	825.5	778.1	747.4	729.5	726.9	710.3
8393.1	40°	7054.4	4867.2	1466.7	916.4	806.3	744.9	711.6	707.7	714.1	684.7
9226.3	42.5°	7681.5	5176.9	1492.3	907.4	779.4	711.6	679.6	679.6	674.5	633.5
10106.8	45°	8359.8	5534.0	1517.9	885.6	747.4	678.3	654.0	645.0	623.3	583.6
10992.4	47.5°	9043.3	5897.4	1537.1	846.0	709.0	650.2	628.4	607.9	575.9	540.1
11861.4	50°	9692.1	6223.8	1516.6	787.1	665.5	623.3	600.2	572.1	537.5	513.2
12684.4	52.5°	10271.9	6506.6	1429.6	718.0	619.4	595.1	574.6	545.2	517.1	491.5
13426.7	55°	10776.1	6735.7	1276.0	652.7	578.5	570.8	550.3	513.2	474.8	453.1
14162.6	57.5°	11259.9	6909.8	1084.0	599.0	541.4	543.9	513.2	479.9	444.1	421.1
15154.4	60°	11903.7	7142.7	889.5	549.0	501.7	509.4	476.1	451.8	407.0	377.5
16855.3	62.5°	12932.7	7504.9	706.5	487.6	455.6	458.2	444.1	414.7	360.9	326.4
18115.9	65°	13749.2	7371.8	556.7	421.1	403.1	407.0	407.0	375.0	317.4	277.7
18183.8	67.5°	13657.0	6312.1	444.1	355.8	353.2	355.8	364.8	337.9	281.6	249.6
16799.0	70°	12580.7	5020.8	355.8	295.6	307.2	300.8	326.4	308.4	253.4	221.4
13023.5	72.5°	10265.5	3616.8	271.3	244.4	235.5	245.7	294.4	277.7	211.2	175.3
6898.3	75°	5998.5	1930.0	202.2	193.3	170.2	204.8	261.1	236.8	161.3	129.3
2114.3	77.5°	1953.0	673.2	148.5	142.1	126.7	165.1	222.7	199.7	131.8	102.4
619.4	80°	523.4	203.5	101.1	93.4	81.9	122.9	176.6	158.7	94.7	66.6
266.2	82.5°	209.9	85.7	58.9	52.5	44.8	84.5	139.5	128.0	70.4	42.2
83.2	85°	67.8	28.2	21.8	16.6	20.5	52.5	83.2	87.0	49.9	21.8
12.8	87.5°	9.0	3.8	3.8	5.1	3.8	9.0	25.6	24.3	14.1	2.6
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°
2944.9
2596.8
2101.5
1625.4
1327.2
1218.4
1181.3
1139.0
1080.2
1004.7
922.8
843.4
780.7
738.5
706.5
709.0
686.0
633.5
582.3
538.8
509.4
488.9
450.5
418.5
373.7
323.8
273.9
244.4
217.6
171.5
125.4
98.5
65.3
42.2
16.6
0.0
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