

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: P847665

Luminaire Tested: **GLAN-SB3D-840-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847665
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-840-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 4000K, 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: 19827 lumens
Efficiency: N/A
Efficacy: 90.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

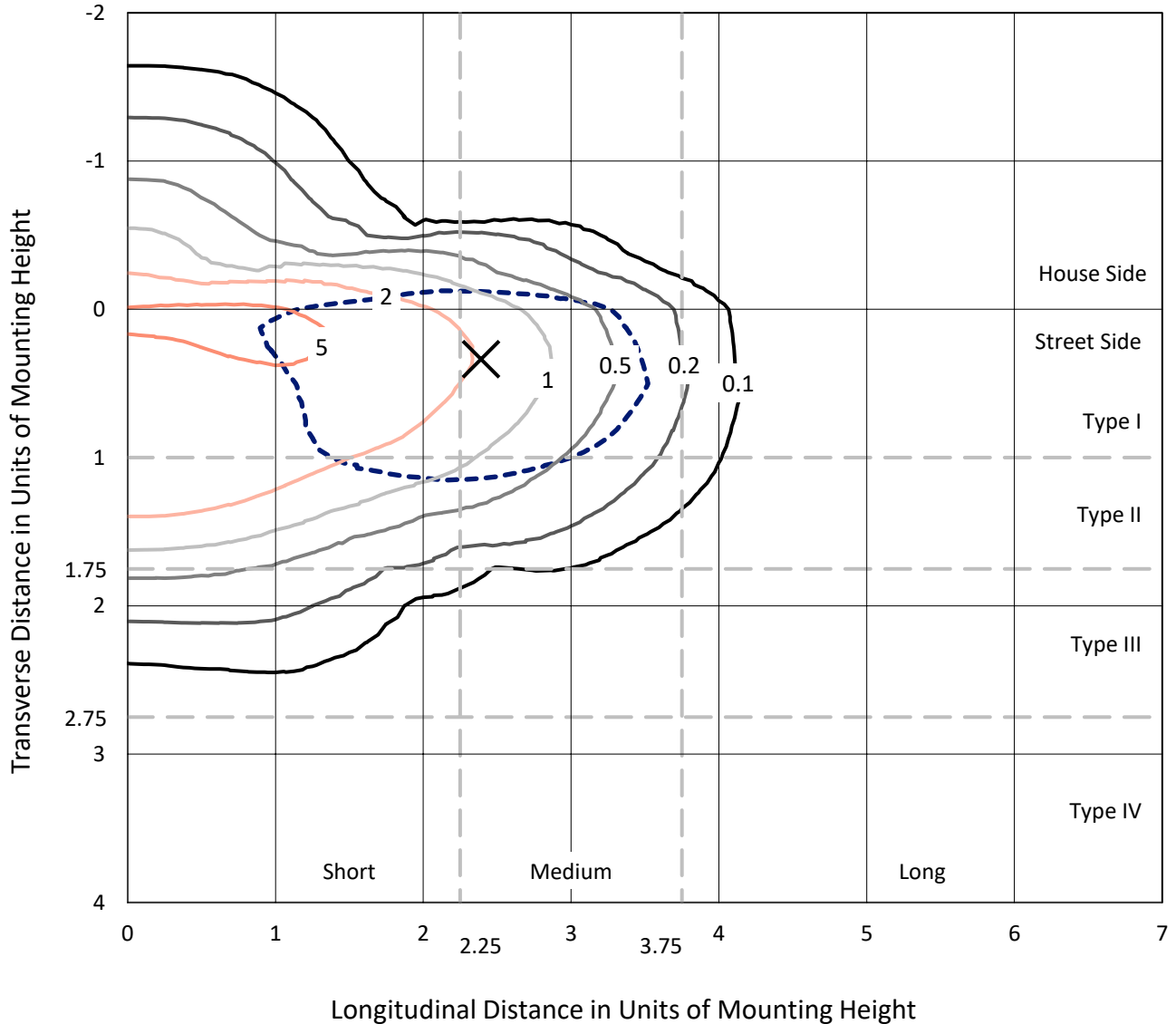
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

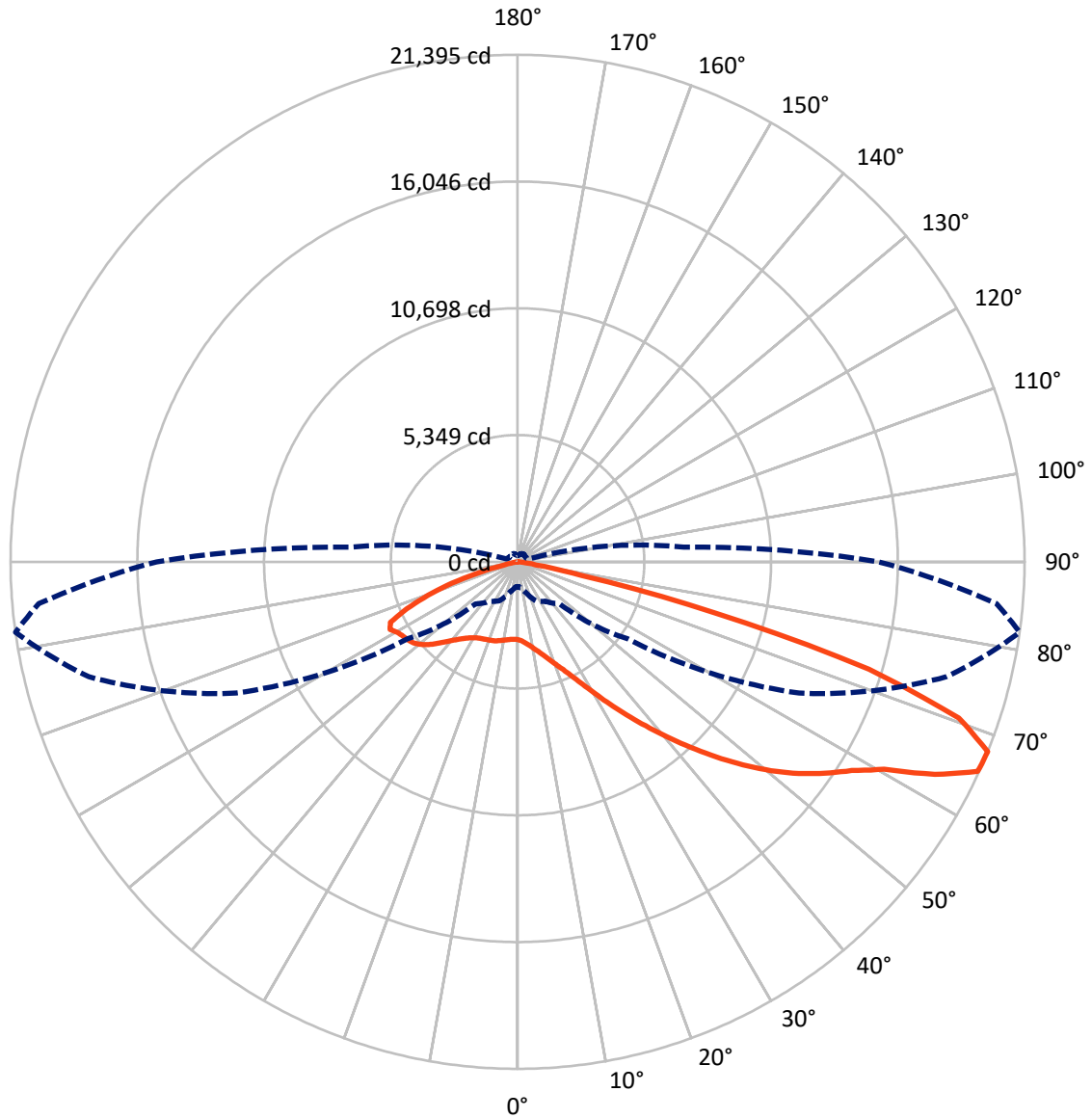
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 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	3591.5	0.0	3591.5
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	16235.5	0.0	16235.5
	% Fixture	81.9	0.0	81.9
Total	Lumens	19827.0	0.0	19827.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.6	1.5
10°-20°	760.5	3.8
20°-30°	1218.0	6.1
30°-40°	2153.8	10.9
40°-50°	3773.7	19.0
50°-60°	5033.0	25.4
60°-70°	4685.5	23.6
70°-80°	1798.3	9.1
80°-90°	111.7	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°	19827.0	100.0
0°-180°	19827.0	100.0

Coefficient of Utilization

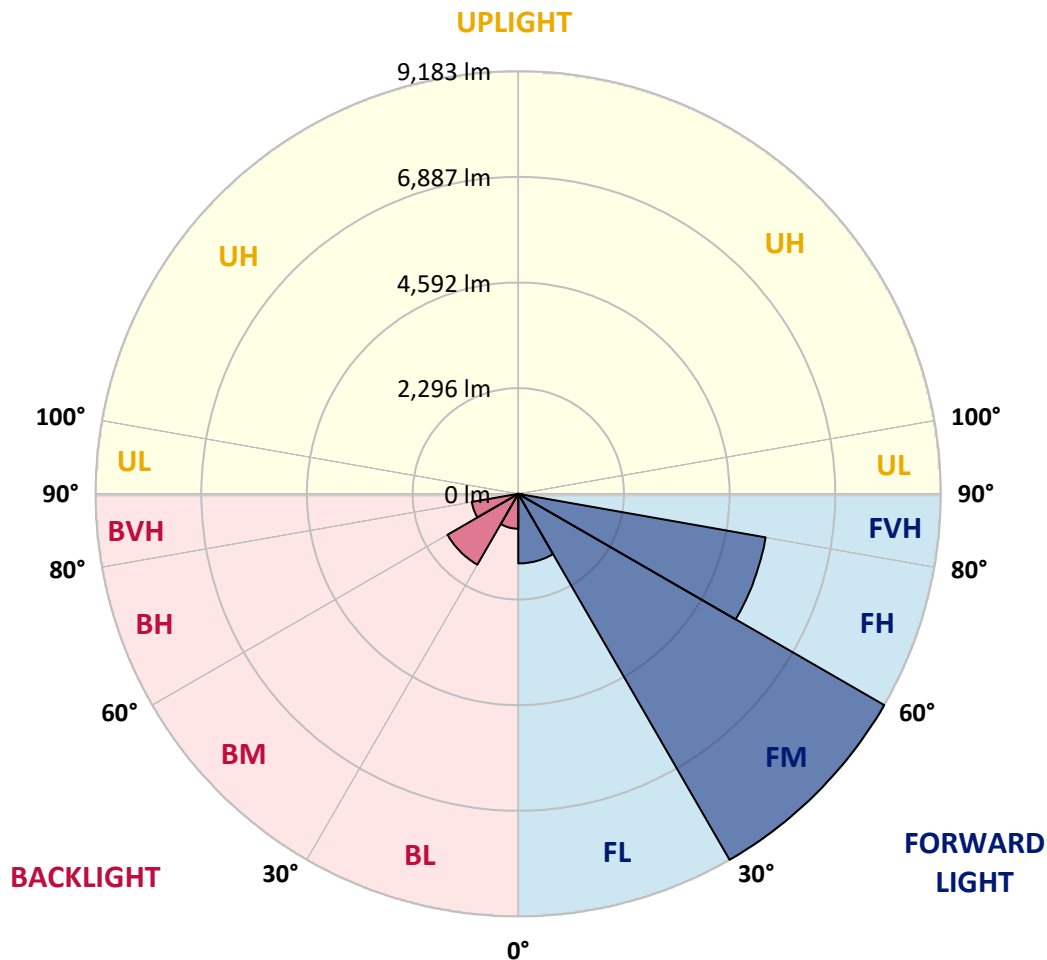


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1512.6	7.6			
FM (30°-60°)	9183.1	46.3			
FH (60°-80°)	5458.7	27.5			G3/7500
FVH (80°-90°)	81.2	0.4			G1/100
BL (0°-30°)	758.5	3.8	B2/1000		
BM (30°-60°)	1777.4	9.0	B2/2500		
BH (60°-80°)	1025.1	5.2	B3/2500		G3/2500
BVH (80°-90°)	30.5	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°	3284.7	3284.7	3284.7	3284.7	3284.7	3284.7	3284.7	3284.7	3284.7	3284.7
2.5°	3471.7	3491.6	3480.2	3474.5	3464.5	3450.3	3438.8	3403.1	3366.0	3341.8
5°	3541.6	3561.6	3560.2	3565.9	3573.0	3577.3	3574.4	3534.5	3481.7	3440.3
7.5°	3481.7	3504.5	3523.1	3551.6	3601.6	3654.4	3680.1	3671.5	3617.3	3560.2
10°	3311.8	3336.1	3380.3	3447.4	3553.0	3667.2	3762.9	3807.1	3772.9	3710.1
12.5°	3000.6	3024.9	3111.9	3257.5	3434.5	3633.0	3815.7	3934.2	3942.7	3879.9
15°	2650.9	2675.1	2767.9	2950.6	3220.4	3538.8	3844.2	4068.4	4144.0	4089.8
17.5°	2433.9	2455.3	2525.2	2672.3	2953.5	3350.3	3834.2	4211.1	4383.8	4341.0
20°	2368.2	2386.8	2419.6	2522.4	2756.5	3154.8	3768.6	4345.3	4642.2	4617.9
22.5°	2438.2	2455.3	2465.3	2511.0	2658.0	3026.3	3685.8	4482.3	4942.0	4944.8
25°	2599.5	2616.6	2605.2	2633.7	2698.0	2986.3	3654.4	4643.6	5318.8	5350.2
27.5°	2865.0	2866.4	2839.3	2837.9	2847.8	3046.3	3687.2	4816.4	5794.2	5852.7
30°	3397.4	3376.0	3271.8	3159.0	3107.7	3226.1	3778.6	5020.5	6355.2	6459.4
32.5°	4218.2	4186.8	3995.6	3725.8	3454.5	3515.9	3942.7	5253.2	6966.2	7154.6
35°	5109.0	5100.4	4900.6	4499.5	4025.5	3928.5	4209.7	5558.7	7632.8	7932.6
37.5°	5936.9	5932.7	5818.5	5346.0	4769.3	4503.7	4637.9	5958.4	8346.6	8780.5
40°	6693.5	6706.4	6592.2	6169.6	5588.6	5241.8	5220.3	6452.3	9140.2	9704.1
42.5°	7347.3	7361.6	7246.0	6933.3	6398.0	6058.3	5935.5	7057.5	9915.4	10696.2
45°	7791.3	7879.8	7862.6	7612.8	7228.8	6876.2	6794.9	7817.0	10799.0	11748.3
47.5°	7916.9	7998.2	8126.7	8161.0	7926.9	7580.0	7677.1	8732.0	11692.6	12801.8
50°	7607.1	7682.8	7949.7	8305.2	8467.9	8360.8	8535.0	9712.7	12607.6	13852.4
52.5°	6996.1	7073.2	7410.1	7972.6	8636.3	8973.2	9395.8	10679.1	13494.1	14847.4
55°	6112.5	6193.9	6626.4	7263.1	8315.2	9225.9	10113.8	11644.1	14306.3	15742.4
57.5°	4910.6	4970.5	5420.2	6310.9	7507.2	8974.7	10643.4	12697.6	15071.5	16621.7
60°	3200.4	3253.3	3775.7	4769.3	6168.2	8135.3	10749.0	13872.4	16087.9	17765.2
62.5°	2128.4	2164.1	2473.8	3203.3	4343.9	6523.6	10130.9	14810.2	17578.2	19755.1
65°	1460.3	1496.0	1805.8	2314.0	2806.5	4315.3	8353.7	14686.1	18928.6	21335.3
67.5°	1042.1	1072.0	1334.7	1814.3	2031.3	2506.7	5662.9	13098.7	18734.4	21395.3
70°	746.6	763.7	980.7	1413.2	1614.5	1506.0	3149.1	10018.2	16403.3	19756.5
72.5°	522.5	528.2	680.9	1076.3	1300.4	1099.2	1498.9	6679.2	12406.3	15506.9
75°	354.0	361.2	458.2	789.4	1043.5	839.4	793.7	3581.6	7283.1	8583.5
77.5°	217.0	219.8	295.5	539.6	780.8	639.5	511.0	1517.4	2817.9	2766.5
80°	122.8	122.8	188.4	335.5	532.5	412.5	358.3	645.2	892.2	783.7
82.5°	68.5	69.9	137.0	208.4	352.6	244.1	197.0	298.3	385.4	341.2
85°	28.5	31.4	84.2	98.5	168.4	121.3	79.9	125.6	142.7	127.0
87.5°	2.9	4.3	25.7	18.6	20.0	24.3	11.4	24.3	20.0	20.0
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°
3284.7	0°	3284.7	3284.7	3284.7	3284.7	3284.7	3284.7	3284.7	3284.7	3284.7	3284.7
3333.2	2.5°	3306.1	3284.7	3230.4	3167.6	3084.8	3044.8	2990.6	2953.5	2922.1	2924.9
3416.0	5°	3370.3	3316.1	3194.7	3043.4	2855.0	2720.8	2578.1	2479.6	2399.6	2382.5
3530.2	7.5°	3458.8	3373.2	3160.5	2887.8	2569.5	2328.2	2112.7	1974.2	1875.7	1844.3
3668.7	10°	3573.0	3448.8	3116.2	2692.3	2234.0	1927.1	1695.9	1587.4	1520.3	1497.4
3831.4	12.5°	3705.8	3535.9	3057.7	2453.9	1888.6	1593.1	1446.1	1391.8	1370.4	1363.3
4031.2	15°	3872.8	3644.4	2969.2	2171.2	1595.9	1389.0	1326.1	1319.0	1321.9	1319.0
4271.1	17.5°	4071.2	3762.9	2825.0	1880.0	1398.9	1284.7	1261.9	1267.6	1274.8	1273.3
4539.4	20°	4288.2	3879.9	2640.9	1621.6	1264.8	1210.5	1197.7	1203.4	1209.1	1206.2
4849.2	22.5°	4535.1	4005.5	2436.7	1420.4	1174.8	1142.0	1127.7	1129.1	1129.1	1123.4
5241.8	25°	4830.6	4144.0	2222.6	1277.6	1106.3	1080.6	1063.5	1057.8	1049.2	1032.1
5718.5	27.5°	5183.2	4291.0	2017.0	1177.7	1052.1	1027.8	1007.8	993.5	972.1	943.6
6291.0	30°	5580.1	4469.5	1842.9	1114.9	1009.2	985.0	962.1	940.7	909.3	873.6
6949.0	32.5°	6046.9	4660.8	1715.8	1073.5	970.7	945.0	917.9	892.2	857.9	822.2
7688.5	35°	6603.6	4892.0	1641.6	1044.9	940.7	906.5	876.5	847.9	822.2	790.8
8492.2	37.5°	7207.4	5137.5	1618.8	1030.7	920.7	867.9	833.7	813.7	810.8	792.3
9361.5	40°	7868.3	5428.8	1635.9	1022.1	899.3	830.8	793.7	789.4	796.5	763.7
10290.8	42.5°	8567.8	5774.2	1664.5	1012.1	869.3	793.7	758.0	758.0	752.3	706.6
11272.9	45°	9324.4	6172.5	1693.0	987.8	833.7	756.6	729.4	719.5	695.2	650.9
12260.7	47.5°	10086.7	6577.9	1714.4	943.6	790.8	725.2	700.9	678.1	642.4	602.4
13230.0	50°	10810.4	6941.9	1691.6	877.9	742.3	695.2	669.5	638.1	599.5	572.4
14147.9	52.5°	11457.1	7257.4	1594.5	800.8	690.9	663.8	640.9	608.1	576.7	548.2
14975.8	55°	12019.5	7512.9	1423.2	728.0	645.2	636.7	613.8	572.4	529.6	505.3
15796.6	57.5°	12559.1	7707.0	1209.1	668.1	603.8	606.7	572.4	535.3	495.3	469.6
16903.0	60°	13277.1	7966.8	992.1	612.4	559.6	568.1	531.0	503.9	453.9	421.1
18800.1	62.5°	14424.8	8370.8	788.0	543.9	508.2	511.0	495.3	462.5	402.6	364.0
20206.2	65°	15335.6	8222.4	621.0	469.6	449.7	453.9	453.9	418.3	354.0	309.8
20281.8	67.5°	15232.8	7040.4	495.3	396.8	394.0	396.8	406.8	376.9	314.0	278.4
18737.3	70°	14032.3	5600.1	396.8	329.8	342.6	335.5	364.0	344.0	282.6	247.0
14526.2	72.5°	11449.9	4034.1	302.6	272.7	262.7	274.1	328.3	309.8	235.5	195.6
7694.2	75°	6690.7	2152.7	225.5	215.6	189.9	228.4	291.2	264.1	179.9	144.2
2358.2	77.5°	2178.4	750.9	165.6	158.5	141.3	184.1	248.4	222.7	147.0	114.2
690.9	80°	583.8	227.0	112.8	104.2	91.4	137.0	197.0	177.0	105.6	74.2
296.9	82.5°	234.1	95.6	65.7	58.5	50.0	94.2	155.6	142.7	78.5	47.1
92.8	85°	75.7	31.4	24.3	18.6	22.8	58.5	92.8	97.1	55.7	24.3
14.3	87.5°	10.0	4.3	4.3	5.7	4.3	10.0	28.5	27.1	15.7	2.9
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°
3284.7
2896.4
2343.9
1812.9
1480.3
1359.0
1317.6
1270.5
1204.8
1120.6
1029.2
940.7
870.8
823.7
788.0
790.8
765.1
706.6
649.5
601.0
568.1
545.3
502.5
466.8
416.8
361.2
305.5
272.7
242.7
191.3
139.9
109.9
72.8
47.1
18.6
0.0
0.0

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