

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: P849057

Luminaire Tested: **GLAN-SB5D-930-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849057
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5D-930-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27198 lumens
Efficiency: N/A
Efficacy: 74.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

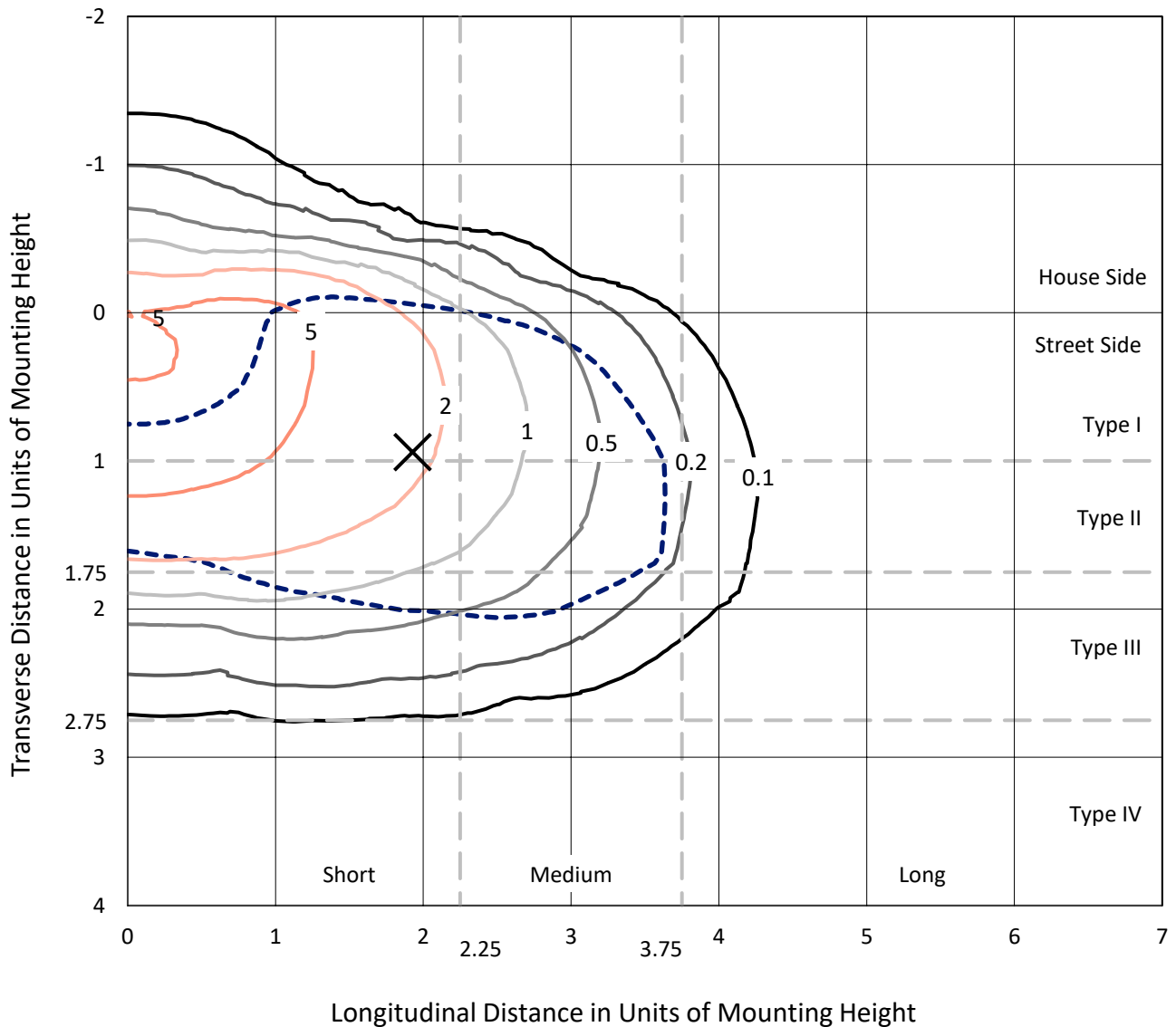
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

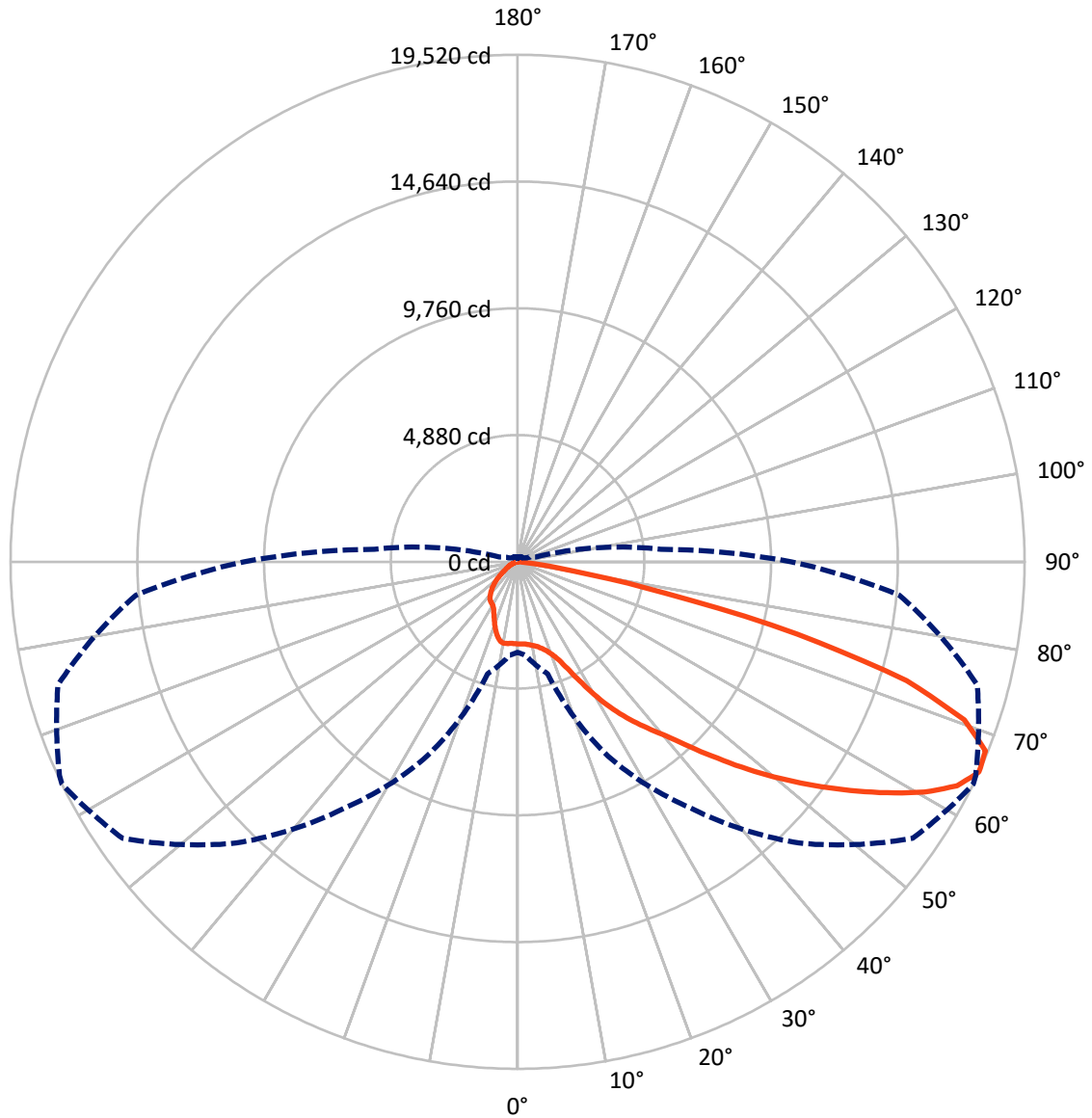
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3637.2	0.0	3637.2
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	23560.8	0.0	23560.8
	% Fixture	86.6	0.0	86.6
Total	Lumens	27198.0	0.0	27198.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.9	1.1
10°-20°	791.6	2.9
20°-30°	1500.0	5.5
30°-40°	3035.3	11.2
40°-50°	5170.7	19.0
50°-60°	7031.7	25.9
60°-70°	6603.1	24.3
70°-80°	2645.5	9.7
80°-90°	128.2	0.5
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°	27198.0	100.0
0°-180°	27198.0	100.0

Coefficient of Utilization

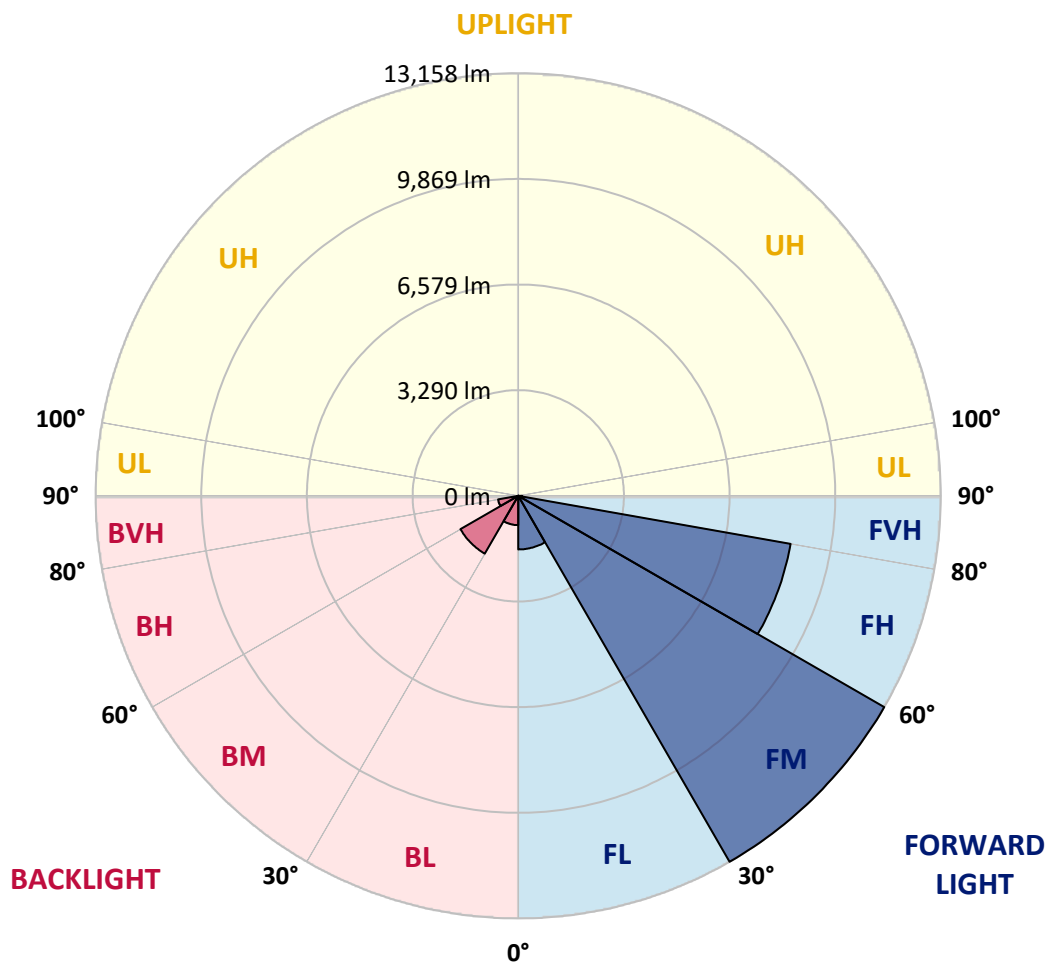


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1670.3	6.1			
FM (30°-60°)	13158.4	48.4			
FH (60°-80°)	8610.3	31.7			G4/12000
FVH (80°-90°)	121.9	0.4			G2/225
BL (0°-30°)	913.2	3.4	B2/1000		
BM (30°-60°)	2079.4	7.6	B2/2500		
BH (60°-80°)	638.4	2.3	B2/1000		G2/1000
BVH (80°-90°)	6.3	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-G4
 Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	3163.4	3163.4	3163.4	3163.4	3163.4	3163.4	3163.4	3163.4	3163.4	3163.4
2.5°	3152.5	3174.3	3168.9	3163.4	3161.6	3165.2	3167.1	3165.2	3165.2	3165.2
5°	3092.3	3110.5	3110.5	3123.3	3141.5	3163.4	3179.8	3183.5	3187.1	3192.6
7.5°	2977.4	2992.0	3003.0	3044.9	3090.5	3148.8	3198.1	3223.6	3227.2	3247.3
10°	2899.0	2917.3	2935.5	2979.3	3044.9	3132.4	3216.3	3278.3	3287.4	3334.8
12.5°	2895.4	2913.6	2937.3	2984.7	3061.3	3154.3	3256.4	3345.7	3362.1	3431.4
15°	2933.7	2955.6	2977.4	3035.8	3117.8	3230.9	3340.3	3451.5	3467.9	3566.4
17.5°	3012.1	3041.2	3057.7	3116.0	3203.5	3329.3	3473.4	3601.0	3615.6	3730.5
20°	3167.1	3201.7	3207.2	3254.6	3340.3	3475.2	3646.6	3805.2	3823.4	3954.7
22.5°	3488.0	3537.2	3493.4	3517.1	3593.7	3728.6	3914.6	4115.2	4140.7	4290.2
25°	4053.2	4122.5	4009.4	3969.3	4002.1	4142.5	4375.9	4629.3	4658.5	4778.8
27.5°	5163.6	5074.2	4902.8	4735.1	4636.6	4716.9	4979.4	5293.0	5329.5	5446.2
30°	6383.3	6304.9	6073.4	5701.4	5468.0	5455.3	5697.8	6047.9	6089.8	6201.0
32.5°	7604.9	7530.2	7278.6	6820.9	6416.2	6215.6	6383.3	6771.7	6793.6	6864.7
35°	8806.5	8729.9	8478.3	8009.7	7512.0	7056.1	7023.3	7460.9	7468.2	7543.0
37.5°	10015.3	9951.5	9683.5	9224.0	8733.6	8104.5	7800.0	8113.6	8122.8	8195.7
40°	10877.8	10905.1	10721.0	10365.4	9944.2	9256.8	8671.6	8808.3	8753.6	8875.8
42.5°	11618.0	11672.7	11512.3	11333.6	11089.3	10483.9	9751.0	9727.3	9639.7	9705.4
45°	12258.0	12303.6	12159.5	12117.6	12112.1	11687.3	10930.6	10788.4	10666.3	10653.5
47.5°	12493.2	12580.7	12642.7	12783.1	13056.6	12877.9	12150.4	11929.8	11793.0	11692.8
50°	12582.5	12675.5	12887.0	13295.4	13942.7	14019.3	13364.7	13116.8	12949.0	12766.7
52.5°	12462.2	12628.1	12912.5	13599.9	14538.9	14934.6	14529.8	14312.8	14121.4	13824.2
55°	11752.9	11918.9	12500.5	13596.3	14836.1	15576.4	15631.1	15534.4	15319.3	14850.7
57.5°	10257.8	10504.0	11424.7	13133.2	14830.6	16128.8	16710.5	16779.7	16539.1	15868.1
60°	8186.6	8520.2	9643.4	12106.7	14373.0	16427.9	17656.7	18003.2	17747.9	16870.9
62.5°	5712.4	6098.9	7161.9	10498.5	13326.4	16212.7	18347.8	18987.8	18794.5	17768.0
65°	3484.3	3608.3	4465.2	8261.3	11546.9	15312.0	18561.1	19520.2	19456.3	18316.8
67.5°	2321.0	2425.0	2671.1	5665.0	8963.3	13512.4	18050.6	19427.2	19445.4	18227.4
70°	1398.5	1487.8	1648.3	3294.7	5809.0	10695.4	16469.8	18242.0	18347.8	17033.2
72.5°	576.2	636.3	782.2	1493.3	3008.4	6788.1	13114.9	15662.1	15908.2	14322.0
75°	326.4	357.4	459.5	749.4	1305.5	3163.4	7944.1	11118.4	11481.3	9871.3
77.5°	217.0	231.6	297.2	485.0	734.8	1079.4	3395.0	5792.6	6485.4	5391.5
80°	145.9	158.6	204.2	324.5	477.7	463.1	1081.2	2146.0	2640.1	1852.5
82.5°	98.5	100.3	145.9	213.3	302.7	224.3	319.1	667.3	838.7	536.0
85°	56.5	54.7	107.6	124.0	134.9	93.0	96.6	200.6	262.6	226.1
87.5°	7.3	10.9	41.9	32.8	18.2	20.1	20.1	34.6	51.1	54.7
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°
3163.4	0°	3163.4	3163.4	3163.4	3163.4	3163.4	3163.4	3163.4	3163.4	3163.4	3163.4
3167.1	2.5°	3167.1	3165.2	3159.8	3154.3	3141.5	3134.2	3137.9	3134.2	3132.4	3134.2
3190.8	5°	3190.8	3185.3	3170.7	3152.5	3126.9	3095.9	3075.9	3046.7	3019.4	3003.0
3254.6	7.5°	3254.6	3249.1	3229.0	3178.0	3095.9	2966.5	2848.0	2744.1	2665.7	2620.1
3356.7	10°	3356.7	3347.6	3316.6	3203.5	2988.4	2705.8	2470.6	2275.5	2147.8	2087.7
3477.0	12.5°	3477.0	3466.1	3411.4	3179.8	2784.2	2342.9	2018.4	1801.4	1682.9	1630.0
3615.6	15°	3619.2	3604.6	3497.1	3066.8	2487.0	1941.8	1644.6	1482.3	1405.8	1358.4
3792.4	17.5°	3796.1	3770.6	3560.9	2897.2	2164.2	1635.5	1414.9	1292.7	1225.3	1179.7
4024.0	20°	4025.8	3983.9	3611.9	2694.8	1867.0	1442.2	1259.9	1157.8	1106.7	1066.6
4352.2	22.5°	4346.7	4286.6	3673.9	2476.0	1657.4	1309.1	1145.0	1070.3	1028.3	982.8
4809.8	25°	4744.2	4673.1	3750.5	2273.6	1513.3	1194.3	1061.2	999.2	949.9	897.1
5409.7	27.5°	5300.3	5172.7	3841.7	2107.7	1389.3	1095.8	984.6	915.3	858.8	815.0
6089.8	30°	5920.2	5710.5	3921.9	2007.4	1276.3	1004.6	884.3	815.0	762.1	731.1
6700.6	32.5°	6507.3	6222.9	3974.8	1963.7	1174.2	900.7	774.9	700.1	660.0	650.9
7298.6	35°	7061.6	6686.0	3969.3	1921.7	1083.0	796.8	667.3	590.7	559.8	565.2
7942.3	37.5°	7699.8	7180.1	3931.0	1856.1	1008.3	702.0	574.3	506.9	479.5	481.3
8724.4	40°	8441.8	7750.8	3907.3	1732.1	926.2	614.4	497.8	443.1	423.0	415.7
9548.6	42.5°	9233.1	8303.3	3911.0	1591.7	824.1	536.0	444.9	399.3	381.1	375.6
10465.7	45°	10028.1	8830.2	3916.4	1445.9	716.6	475.9	406.6	368.3	357.4	350.1
11395.6	47.5°	10775.6	9278.7	3814.3	1289.1	610.8	430.3	375.6	350.1	341.0	331.8
12329.1	50°	11472.1	9577.7	3568.2	1106.7	526.9	393.8	351.9	333.7	324.5	315.4
13175.1	52.5°	12013.7	9625.2	3161.6	918.9	468.6	366.5	337.3	320.9	310.0	300.8
13858.8	55°	12254.3	9328.0	2583.6	743.9	423.0	342.8	322.7	306.3	293.5	284.4
14396.7	57.5°	12192.3	8702.6	2014.7	598.0	379.2	319.1	304.5	293.5	279.0	264.4
14832.5	60°	11887.9	7865.7	1518.8	497.8	339.1	293.5	284.4	275.3	255.3	233.4
15000.2	62.5°	11360.9	6813.6	1083.0	412.1	295.4	264.4	260.7	253.4	224.3	184.2
14752.2	65°	10555.0	5535.5	729.3	342.8	253.4	231.6	233.4	220.6	182.3	136.7
13844.2	67.5°	9377.2	4047.7	466.8	280.8	211.5	193.3	195.1	187.8	155.0	116.7
12123.1	70°	7876.6	2680.2	304.5	213.3	169.6	149.5	160.4	162.3	131.3	94.8
9304.3	72.5°	5774.4	1582.6	213.3	158.6	124.0	103.9	131.3	134.9	105.8	71.1
5597.5	75°	3291.0	751.2	160.4	114.9	76.6	72.9	102.1	102.1	72.9	47.4
2423.2	77.5°	1382.1	313.6	113.0	74.8	43.8	41.9	69.3	63.8	36.5	21.9
590.7	80°	399.3	140.4	60.2	36.5	18.2	16.4	27.3	20.1	9.1	3.6
224.3	82.5°	156.8	62.0	23.7	14.6	7.3	7.3	3.6	0.0	0.0	0.0
127.6	85°	93.0	25.5	10.9	5.5	1.8	0.0	0.0	0.0	0.0	0.0
27.3	87.5°	23.7	5.5	3.6	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°
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3163.4
3141.5
3006.6
2621.9
2082.2
1624.6
1360.2
1176.0
1059.3
975.5
891.6
805.9
725.7
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