

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: P853162

Luminaire Tested: **GLAN-SB9A-930-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853162
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-SB9A-930-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 3000K, 350mA 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: 20871 lumens
Efficiency: N/A
Efficacy: 81.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

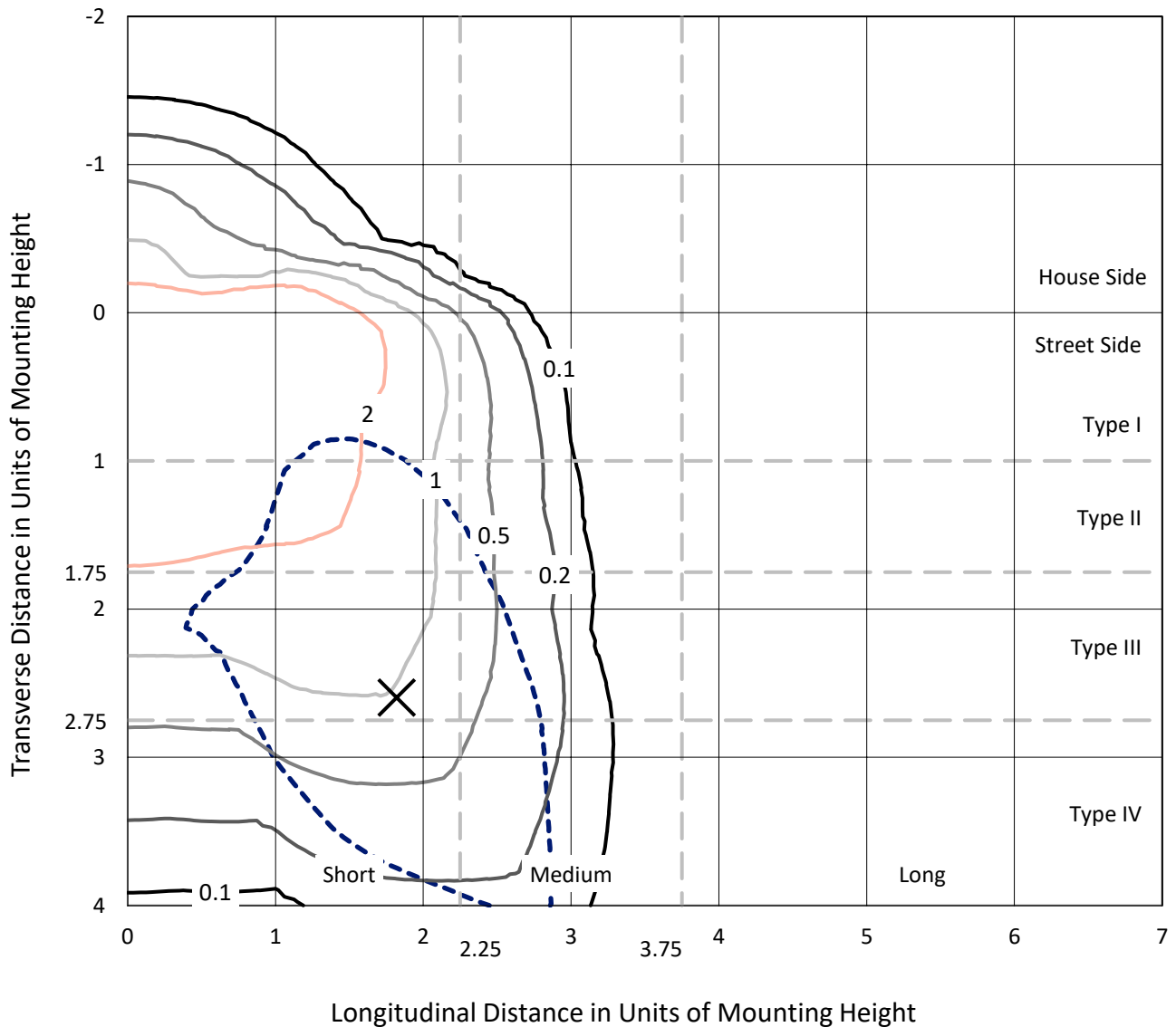
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

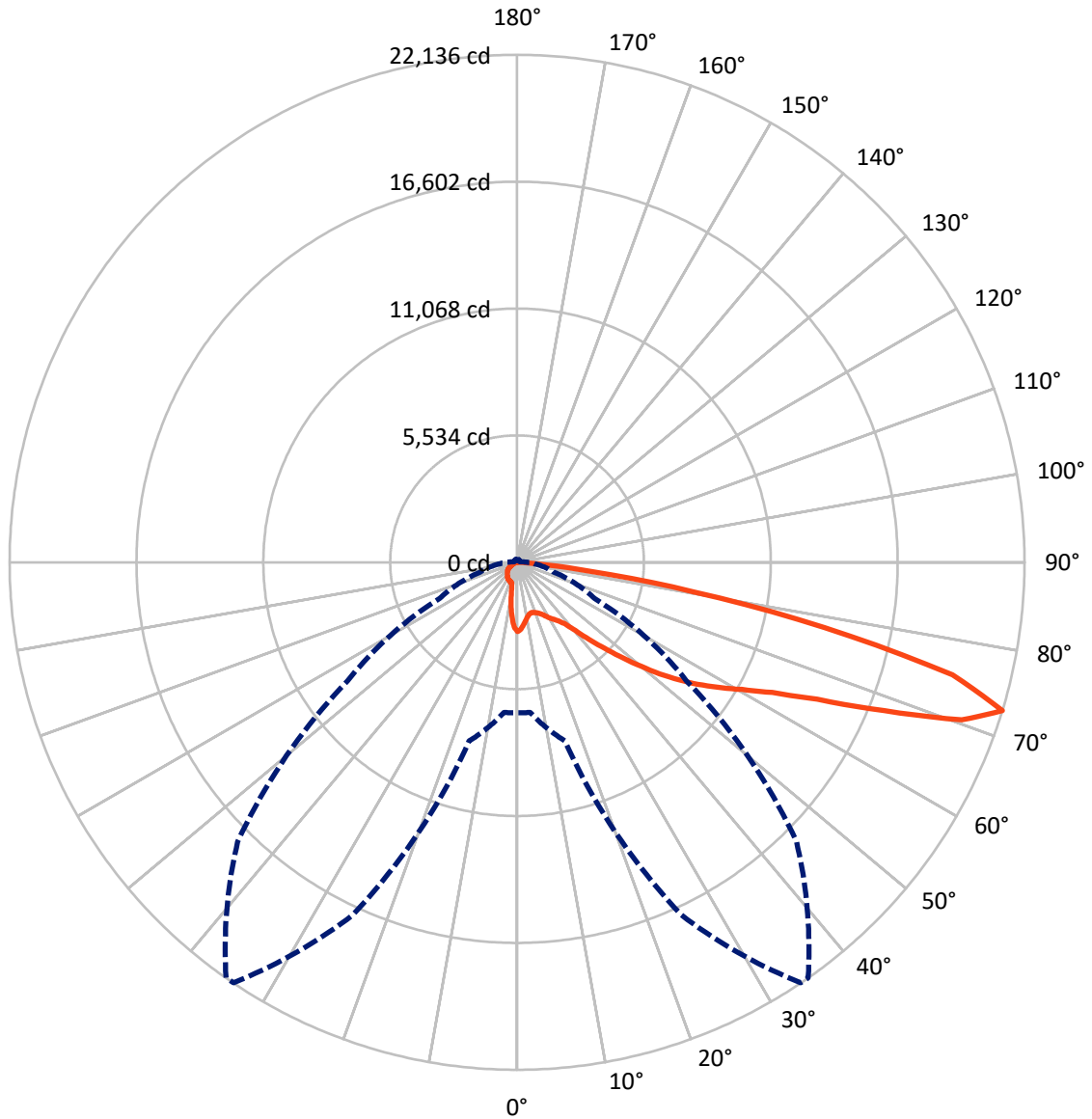
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 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	2348.9	0.0	2348.9
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	18522.1	0.0	18522.1
	% Fixture	88.7	0.0	88.7
Total	Lumens	20871.0	0.0	20871.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.6	1.2
10°-20°	581.5	2.8
20°-30°	944.6	4.5
30°-40°	1576.1	7.6
40°-50°	2982.0	14.3
50°-60°	4738.4	22.7
60°-70°	5861.7	28.1
70°-80°	3643.7	17.5
80°-90°	294.5	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°	20871.0	100.0
0°-180°	20871.0	100.0

Coefficient of Utilization

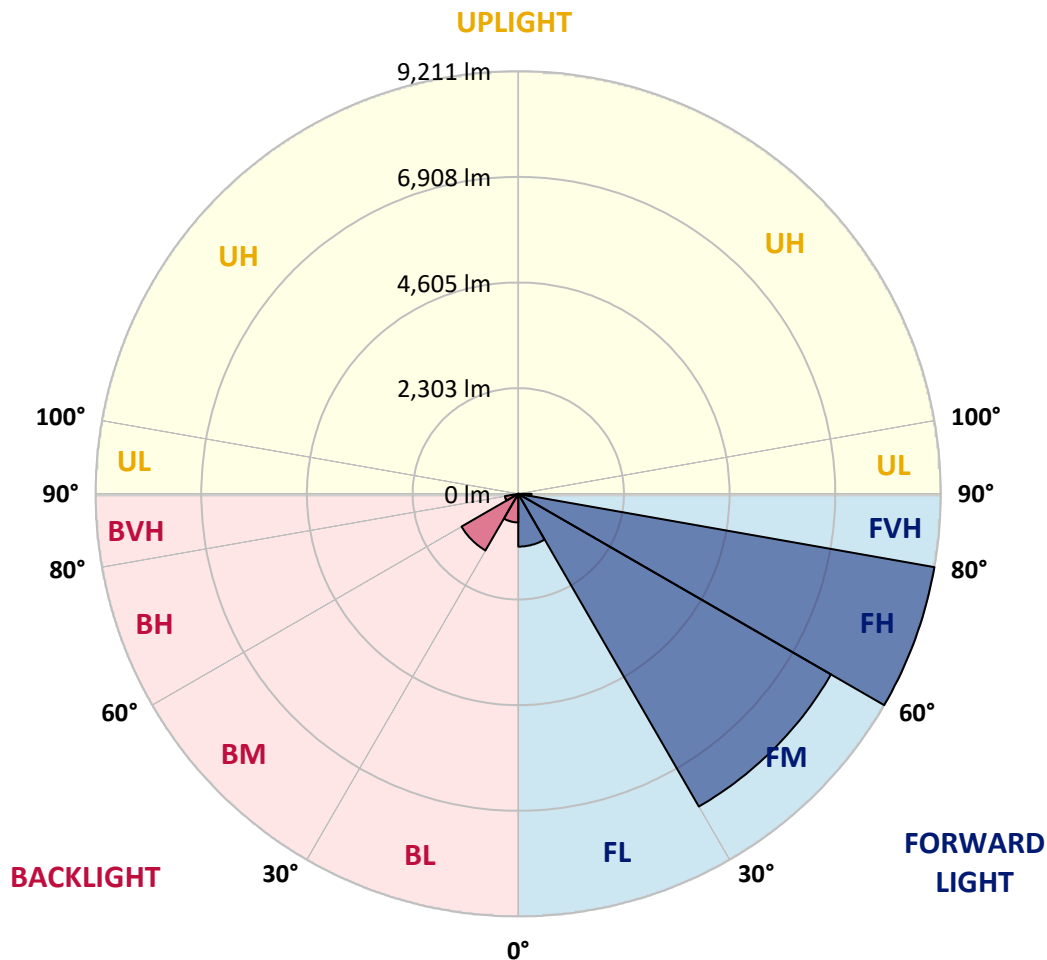


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1150.5	5.5			
FM (30°-60°)	7870.5	37.7			
FH (60°-80°)	9210.6	44.1			G4/12000
FVH (80°-90°)	290.5	1.4			G3/500
BL (0°-30°)	624.2	3.0	B2/1000		
BM (30°-60°)	1426.0	6.8	B2/2500		
BH (60°-80°)	294.8	1.4	B1/500		G1/500
BVH (80°-90°)	4.0	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	3024.9	3024.9	3024.9	3024.9	3024.9	3024.9	3024.9	3024.9	3024.9	3024.9
2.5°	2890.3	2914.8	2919.4	2927.0	2927.0	2936.2	2951.5	2972.9	3008.1	3026.4
5°	2664.0	2682.3	2705.3	2723.6	2758.8	2763.4	2823.0	2881.2	2962.2	3023.4
7.5°	2436.1	2457.5	2488.1	2532.5	2578.4	2592.1	2682.3	2780.2	2908.7	3023.4
10°	2275.6	2277.1	2304.6	2349.0	2422.4	2439.2	2549.3	2688.5	2849.0	3005.0
12.5°	2185.3	2196.0	2208.3	2241.9	2312.3	2323.0	2440.7	2604.4	2789.4	2994.3
15°	2185.3	2193.0	2200.6	2217.5	2274.0	2283.2	2387.2	2550.8	2758.8	2998.9
17.5°	2208.3	2220.5	2214.4	2234.3	2293.9	2300.0	2391.8	2535.5	2757.3	3028.0
20°	2263.3	2272.5	2260.3	2272.5	2332.1	2344.4	2439.2	2564.6	2783.3	3078.4
22.5°	2350.5	2355.1	2326.0	2335.2	2396.4	2411.7	2521.8	2647.2	2846.0	3159.5
25°	2460.6	2469.8	2425.4	2436.1	2494.2	2512.6	2639.5	2771.0	2945.4	3271.1
27.5°	2587.5	2592.1	2553.9	2552.4	2627.3	2653.3	2781.8	2924.0	3078.4	3411.8
30°	2732.8	2746.6	2709.9	2703.8	2798.6	2820.0	2946.9	3112.1	3274.2	3622.9
32.5°	2847.5	2858.2	2836.8	2852.1	2948.4	2965.3	3147.2	3378.2	3581.6	3922.6
35°	3012.7	3018.8	2969.9	2997.4	3107.5	3150.3	3421.0	3751.3	3968.5	4298.8
37.5°	3610.6	3610.6	3402.6	3266.5	3372.1	3410.3	3795.7	4220.8	4445.6	4803.5
40°	4438.0	4424.2	4119.9	3841.5	3827.8	3902.7	4329.4	4812.6	5061.9	5409.0
42.5°	5320.4	5298.9	4884.5	4609.2	4563.4	4589.4	4945.7	5542.1	5796.0	6147.7
45°	6103.3	6097.2	5718.0	5347.9	5265.3	5347.9	5714.9	6395.4	6577.4	6947.5
47.5°	6759.4	6759.4	6482.6	6241.0	6198.2	6247.1	6756.3	7342.1	7325.2	7799.3
50°	7514.9	7508.7	7245.7	7141.7	7186.1	7254.9	7955.3	8339.1	8099.0	8635.8
52.5°	8044.0	8080.7	7990.5	7973.6	8200.0	8319.3	9172.6	9314.8	8791.8	9429.5
55°	8463.0	8505.8	8609.8	8727.6	9163.4	9319.4	10351.7	10240.0	9371.4	10117.7
57.5°	9056.4	8995.2	9155.8	9388.2	10093.2	10281.3	11494.0	11113.2	9837.8	10675.9
60°	9776.7	9785.8	9813.4	10107.0	11021.5	11263.1	12619.6	11939.1	10137.6	11018.4
62.5°	10642.2	10656.0	10712.6	11163.7	12267.9	12495.7	13818.5	12615.0	10275.2	10922.1
65°	10582.6	10640.7	11272.3	12815.3	14162.6	14387.4	15217.8	13089.1	10067.2	10041.2
67.5°	9640.6	9735.4	10792.1	14788.1	17019.3	17270.1	16909.2	13182.4	9169.5	7808.5
70°	8404.9	8438.5	9709.4	16562.1	20327.1	20581.0	18423.2	12156.2	6958.2	4355.4
72.5°	6563.7	6571.3	8062.3	16973.4	22122.5	22136.3	17234.9	9024.3	3742.1	1673.0
75°	4688.8	4642.9	5399.9	13765.0	19463.1	19619.1	12920.9	4233.0	1429.9	790.6
77.5°	2514.1	2564.6	3055.5	8163.3	13445.4	13711.5	7050.0	1220.4	727.9	538.3
80°	776.9	819.7	1252.5	3737.6	7615.8	7776.4	2613.5	542.9	507.7	383.8
82.5°	244.7	253.9	584.2	1570.6	3161.0	3234.4	757.0	307.4	347.1	253.9
85°	70.3	71.9	260.0	585.7	781.5	796.8	212.6	119.3	198.8	157.5
87.5°	7.6	24.5	97.9	97.9	68.8	67.3	22.9	26.0	56.6	19.9
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°
3024.9	0°	3024.9	3024.9	3024.9	3024.9	3024.9	3024.9	3024.9	3024.9	3024.9	3024.9
3038.7	2.5°	3031.0	3032.6	3012.7	2979.0	2942.3	2911.7	2873.5	2842.9	2821.5	2815.4
3066.2	5°	3052.4	3041.7	2985.1	2882.7	2760.3	2654.8	2537.1	2443.8	2382.6	2356.6
3095.3	7.5°	3084.5	3054.0	2930.1	2728.2	2494.2	2286.3	2075.2	1911.6	1807.6	1755.6
3122.8	10°	3112.1	3050.9	2838.3	2505.0	2147.1	1832.1	1547.6	1350.4	1240.2	1188.2
3154.9	12.5°	3138.1	3049.4	2719.1	2240.4	1755.6	1370.2	1105.7	1007.8	977.2	966.5
3206.9	15°	3187.0	3054.0	2569.2	1937.6	1365.6	1035.3	939.0	937.4	943.6	940.5
3286.4	17.5°	3254.3	3058.6	2399.4	1616.4	1053.7	913.0	908.4	922.2	931.3	926.7
3385.8	20°	3341.5	3076.9	2219.0	1298.4	905.3	882.4	893.1	905.3	913.0	905.3
3518.9	22.5°	3463.8	3109.0	2021.7	1043.0	857.9	864.0	873.2	887.0	894.6	883.9
3688.6	25°	3613.7	3159.5	1827.5	906.9	835.0	842.6	856.4	871.7	880.9	870.2
3902.7	27.5°	3807.9	3240.5	1648.6	876.3	812.0	816.6	836.5	859.5	871.7	857.9
4207.0	30°	4089.3	3373.6	1494.1	890.0	798.3	787.6	815.1	847.2	861.0	848.7
4621.5	32.5°	4462.4	3561.7	1399.3	911.4	792.2	753.9	779.9	821.2	844.2	836.5
5162.8	35°	4951.8	3847.7	1362.6	935.9	787.6	718.8	737.1	781.5	821.2	828.9
5844.9	37.5°	5545.2	4245.3	1373.3	946.6	773.8	689.7	698.9	737.1	789.1	813.6
6612.6	40°	6219.6	4708.6	1434.5	935.9	758.5	665.2	666.8	695.8	741.7	778.4
7438.4	42.5°	6915.4	5250.0	1547.6	896.2	744.8	643.8	639.2	659.1	689.7	715.7
8262.7	45°	7577.6	5806.7	1659.3	841.1	727.9	622.4	611.7	619.4	625.5	636.2
9065.5	47.5°	8155.6	6198.2	1627.1	790.6	705.0	597.9	579.6	576.5	558.2	556.7
9782.8	50°	8554.8	6283.8	1445.2	740.2	671.4	570.4	541.4	523.0	490.9	475.6
10319.6	52.5°	8681.7	5945.8	1180.6	689.7	616.3	533.7	492.4	463.4	423.6	409.8
10628.5	55°	8513.5	5283.6	943.6	628.5	539.8	484.8	438.9	400.7	368.6	351.7
10662.1	57.5°	8102.1	4441.0	746.3	556.7	458.8	429.7	383.8	345.6	318.1	301.3
10289.0	60°	7420.0	3526.5	590.3	471.0	391.5	370.1	322.7	298.2	273.7	253.9
9325.5	62.5°	6384.7	2517.2	463.4	373.1	327.3	302.8	275.3	256.9	227.9	200.3
7592.9	65°	4982.4	1540.0	357.9	273.7	263.0	250.8	234.0	217.2	182.0	154.5
4953.3	67.5°	3142.7	729.5	255.4	206.5	208.0	201.9	194.2	180.5	154.5	130.0
2219.0	70°	1384.0	353.3	168.2	157.5	154.5	154.5	160.6	156.0	131.5	108.6
770.8	72.5°	471.0	189.6	125.4	119.3	111.6	110.1	134.6	130.0	105.5	84.1
383.8	75°	246.2	126.9	91.8	85.6	67.3	81.1	107.0	100.9	74.9	55.1
253.9	77.5°	160.6	90.2	62.7	55.1	38.2	53.5	79.5	70.3	44.3	27.5
166.7	80°	100.9	59.6	36.7	26.0	18.4	29.1	42.8	30.6	16.8	6.1
97.9	82.5°	53.5	30.6	13.8	9.2	7.6	9.2	10.7	7.6	3.1	0.0
50.5	85°	21.4	10.7	4.6	3.1	1.5	0.0	3.1	1.5	0.0	0.0
9.2	87.5°	7.6	1.5	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°
3024.9
2826.1
2365.8
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925.2
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868.6
857.9
847.2
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828.9
819.7
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