

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: P852820

Luminaire Tested: **GLAN-SB6C-927-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852820  
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-SB6C-927-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 2700K, 615mA 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: 22143 lumens  
Efficiency: N/A  
Efficacy: 73.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4

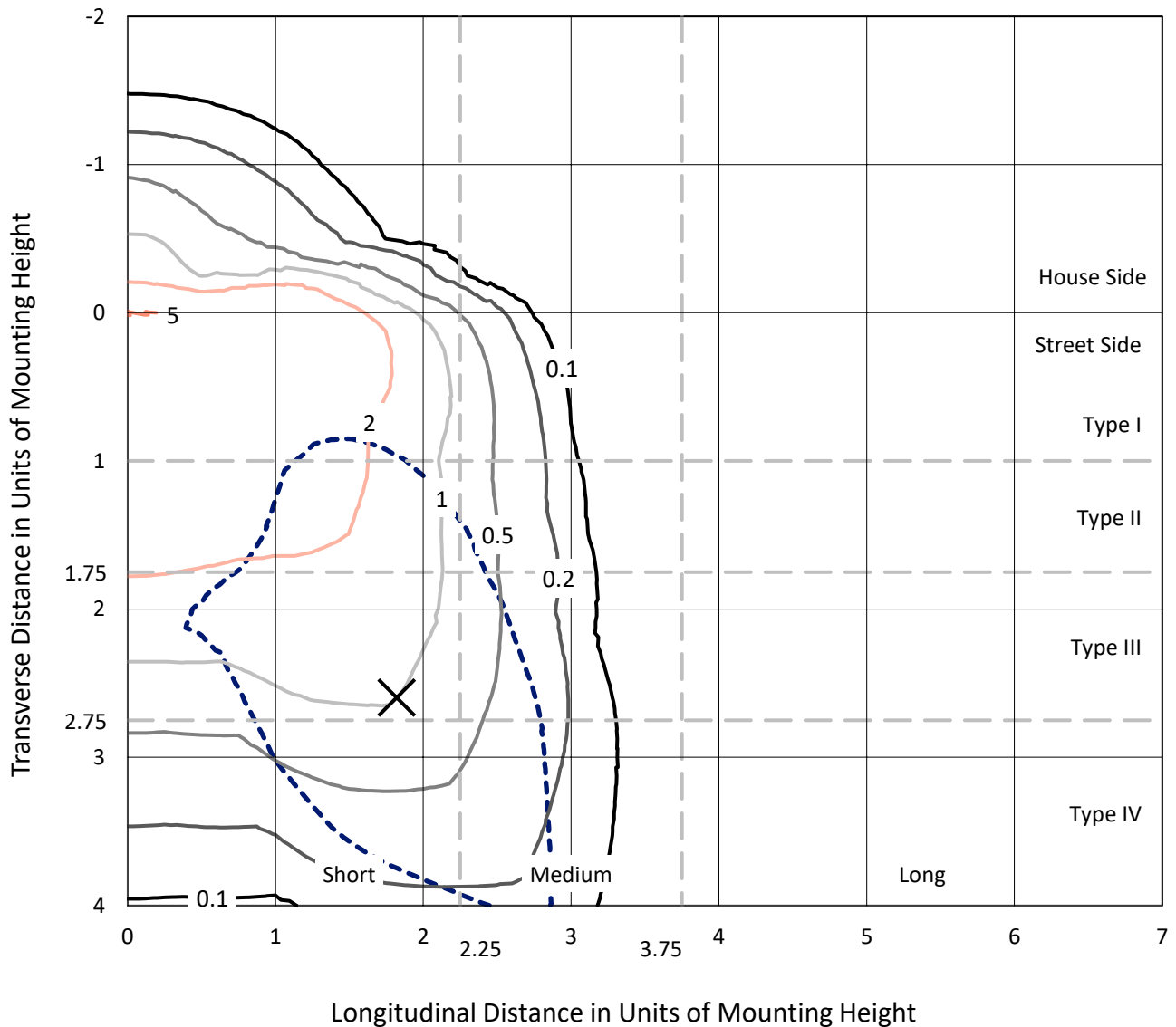
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

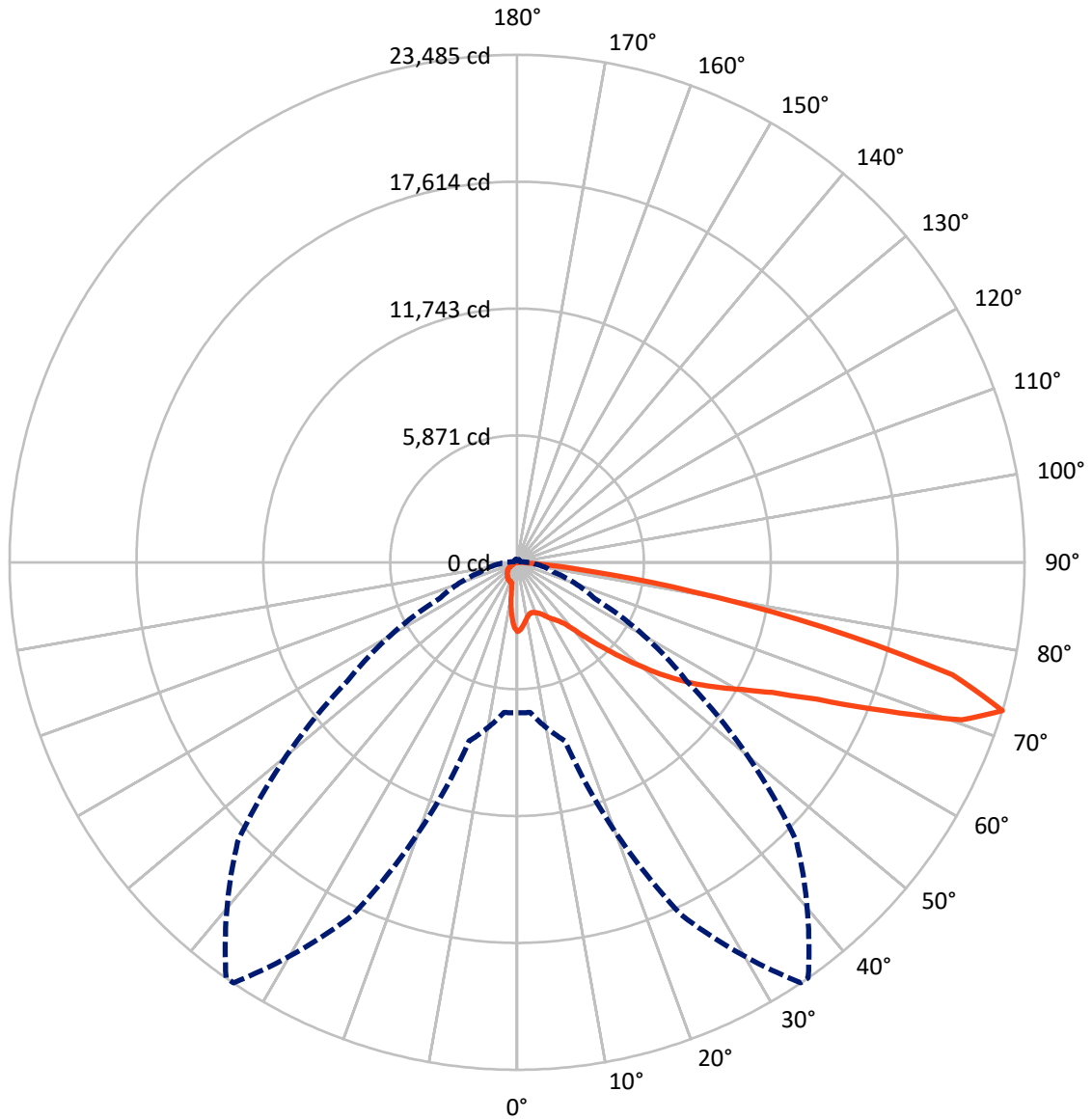
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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	2492.1	0.0	2492.1
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	19650.9	0.0	19650.9
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	22143.0	0.0	22143.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	263.7	1.2
10°-20°	616.9	2.8
20°-30°	1002.2	4.5
30°-40°	1672.1	7.6
40°-50°	3163.7	14.3
50°-60°	5027.2	22.7
60°-70°	6219.0	28.1
70°-80°	3865.7	17.5
80°-90°	312.4	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°	22143.0	100.0
0°-180°	22143.0	100.0

**Coefficient of Utilization**



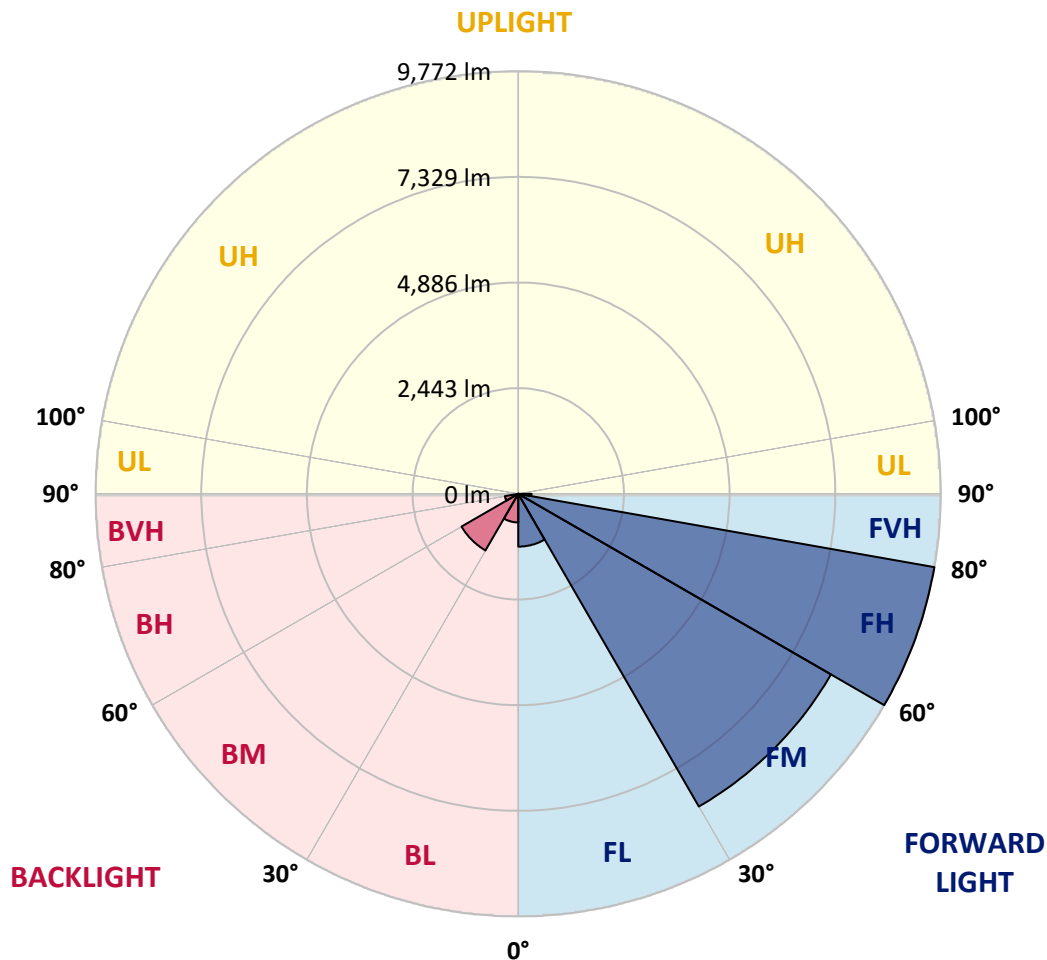
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1220.6	5.5			
FM (30°-60°)	8350.1	37.7			
FH (60°-80°)	9772.0	44.1			G4/12000
FVH (80°-90°)	308.2	1.4			G3/500
BL (0°-30°)	662.2	3.0	B2/1000		
BM (30°-60°)	1512.9	6.8	B2/2500		
BH (60°-80°)	312.7	1.4	B1/500		G1/500
BVH (80°-90°)	4.2	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°	3209.3	3209.3	3209.3	3209.3	3209.3	3209.3	3209.3	3209.3	3209.3	3209.3
2.5°	3066.5	3092.4	3097.3	3105.4	3105.4	3115.2	3131.4	3154.1	3191.4	3210.9
5°	2826.4	2845.8	2870.2	2889.6	2927.0	2931.8	2995.1	3056.8	3142.7	3207.6
7.5°	2584.6	2607.3	2639.8	2686.8	2735.5	2750.1	2845.8	2949.7	3086.0	3207.6
10°	2414.2	2415.9	2445.1	2492.1	2570.0	2587.9	2704.7	2852.3	3022.7	3188.2
12.5°	2318.5	2329.9	2342.9	2378.6	2453.2	2464.5	2589.5	2763.1	2959.4	3176.8
15°	2318.5	2326.6	2334.7	2352.6	2412.6	2422.4	2532.7	2706.3	2927.0	3181.7
17.5°	2342.9	2355.8	2349.3	2370.4	2433.7	2440.2	2537.6	2690.1	2925.3	3212.5
20°	2401.3	2411.0	2398.0	2411.0	2474.3	2487.3	2587.9	2720.9	2952.9	3266.0
22.5°	2493.7	2498.6	2467.8	2477.5	2542.4	2558.6	2675.5	2808.5	3019.4	3352.0
25°	2610.6	2620.3	2573.3	2584.6	2646.3	2665.7	2800.4	2939.9	3124.9	3470.5
27.5°	2745.2	2750.1	2709.5	2707.9	2787.4	2815.0	2951.3	3102.2	3266.0	3619.8
30°	2899.4	2914.0	2875.0	2868.5	2969.1	2991.9	3126.5	3301.7	3473.7	3843.7
32.5°	3021.1	3032.4	3009.7	3025.9	3128.1	3146.0	3339.1	3584.1	3799.8	4161.7
35°	3196.3	3202.8	3150.9	3180.1	3296.9	3342.3	3629.5	3979.9	4210.3	4560.8
37.5°	3830.7	3830.7	3610.0	3465.6	3577.6	3618.1	4027.0	4478.0	4716.5	5096.2
40°	4708.4	4693.8	4371.0	4075.7	4061.1	4140.6	4593.2	5105.9	5370.4	5738.7
42.5°	5644.6	5621.9	5182.2	4890.2	4841.5	4869.1	5247.1	5879.9	6149.2	6522.4
45°	6475.3	6468.8	6066.4	5673.8	5586.2	5673.8	6063.2	6785.2	6978.3	7370.9
47.5°	7171.4	7171.4	6877.7	6621.3	6575.9	6627.8	7168.1	7789.5	7771.7	8274.6
50°	7972.9	7966.4	7687.3	7577.0	7624.0	7697.0	8440.1	8847.4	8592.6	9162.1
52.5°	8534.2	8573.2	8477.5	8459.6	8699.7	8826.3	9731.6	9882.5	9327.6	10004.2
55°	8978.8	9024.2	9134.6	9259.5	9721.9	9887.4	10982.6	10864.1	9942.6	10734.3
57.5°	9608.3	9543.4	9713.8	9960.4	10708.4	10907.9	12194.6	11790.6	10437.4	11326.5
60°	10372.5	10382.2	10411.4	10723.0	11693.2	11949.6	13388.7	12666.7	10755.4	11690.0
62.5°	11290.8	11305.4	11365.5	11844.1	13015.5	13257.3	14660.7	13383.8	10901.4	11587.7
65°	11227.6	11289.2	11959.3	13596.4	15025.8	15264.3	16145.3	13886.8	10680.8	10653.2
67.5°	10228.1	10328.7	11449.8	15689.4	18056.6	18322.7	17939.7	13985.8	9728.4	8284.4
70°	8917.1	8952.8	10301.1	17571.4	21566.0	21835.3	19546.0	12897.1	7382.3	4620.8
72.5°	6963.7	6971.8	8553.7	18007.9	23470.8	23485.4	18285.3	9574.2	3970.2	1775.0
75°	4974.5	4925.8	5729.0	14603.9	20649.3	20814.8	13708.3	4491.0	1517.0	838.8
77.5°	2667.4	2720.9	3241.7	8660.8	14264.8	14547.1	7479.6	1294.7	772.3	571.1
80°	824.2	869.6	1328.8	3965.3	8079.9	8250.3	2772.8	576.0	538.7	407.2
82.5°	259.6	269.3	619.8	1666.3	3353.7	3431.5	803.1	326.1	368.3	269.3
85°	74.6	76.3	275.8	621.4	829.1	845.3	225.5	126.6	210.9	167.1
87.5°	8.1	26.0	103.8	103.8	73.0	71.4	24.3	27.6	60.0	21.1
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°
3209.3	0°	3209.3	3209.3	3209.3	3209.3	3209.3	3209.3	3209.3	3209.3	3209.3	3209.3
3223.9	2.5°	3215.8	3217.4	3196.3	3160.6	3121.6	3089.2	3048.6	3016.2	2993.5	2987.0
3253.1	5°	3238.5	3227.1	3167.1	3058.4	2928.6	2816.6	2691.7	2592.7	2527.8	2500.2
3283.9	7.5°	3272.5	3240.1	3108.7	2894.5	2646.3	2425.6	2201.7	2028.1	1917.8	1862.6
3313.1	10°	3301.7	3236.8	3011.3	2657.6	2278.0	1943.7	1641.9	1432.6	1315.8	1260.7
3347.2	12.5°	3329.3	3235.2	2884.8	2376.9	1862.6	1453.7	1173.1	1069.2	1036.8	1025.4
3402.3	15°	3381.2	3240.1	2725.8	2055.7	1448.9	1098.4	996.2	994.6	1001.1	997.8
3486.7	17.5°	3452.6	3245.0	2545.7	1715.0	1117.9	968.6	963.8	978.4	988.1	983.2
3592.2	20°	3545.1	3264.4	2354.2	1377.5	960.5	936.2	947.5	960.5	968.6	960.5
3733.3	22.5°	3674.9	3298.5	2144.9	1106.5	910.2	916.7	926.4	941.0	949.2	937.8
3913.4	25°	3833.9	3352.0	1938.9	962.1	885.9	894.0	908.6	924.8	934.5	923.2
4140.6	27.5°	4040.0	3438.0	1749.0	929.7	861.5	866.4	887.5	911.8	924.8	910.2
4463.4	30°	4338.5	3579.2	1585.2	944.3	846.9	835.6	864.8	898.9	913.5	900.5
4903.1	32.5°	4734.4	3778.8	1484.6	967.0	840.4	799.9	827.5	871.3	895.6	887.5
5477.5	35°	5253.6	4082.2	1445.6	993.0	835.6	762.6	782.0	829.1	871.3	879.4
6201.1	37.5°	5883.1	4504.0	1457.0	1004.3	821.0	731.7	741.5	782.0	837.2	863.2
7015.6	40°	6598.6	4995.6	1521.9	993.0	804.7	705.8	707.4	738.2	786.9	825.8
7891.7	42.5°	7336.8	5570.0	1641.9	950.8	790.1	683.1	678.2	699.3	731.7	759.3
8766.3	45°	8039.4	6160.6	1760.4	892.4	772.3	660.3	649.0	657.1	663.6	675.0
9618.1	47.5°	8652.7	6575.9	1726.3	838.8	748.0	634.4	614.9	611.7	592.2	590.6
10379.0	50°	9076.1	6666.8	1533.2	785.3	712.3	605.2	574.4	554.9	520.8	504.6
10948.5	52.5°	9210.8	6308.2	1252.6	731.7	653.9	566.2	522.4	491.6	449.4	434.8
11276.2	55°	9032.3	5605.7	1001.1	666.8	572.7	514.3	465.7	425.1	391.0	373.2
11311.9	57.5°	8595.9	4711.7	791.8	590.6	486.7	455.9	407.2	366.7	337.5	319.6
10916.0	60°	7872.3	3741.4	626.3	499.7	415.4	392.6	342.3	316.4	290.4	269.3
9893.9	62.5°	6773.8	2670.6	491.6	395.9	347.2	321.3	292.0	272.6	241.7	212.5
8055.6	65°	5286.0	1633.8	379.7	290.4	279.1	266.1	248.2	230.4	193.1	163.9
5255.2	67.5°	3334.2	773.9	271.0	219.0	220.7	214.2	206.1	191.5	163.9	137.9
2354.2	70°	1468.3	374.8	178.5	167.1	163.9	163.9	170.4	165.5	139.5	115.2
817.7	72.5°	499.7	201.2	133.0	126.6	118.4	116.8	142.8	137.9	112.0	89.2
407.2	75°	261.2	134.7	97.3	90.9	71.4	86.0	113.6	107.1	79.5	58.4
269.3	77.5°	170.4	95.7	66.5	58.4	40.6	56.8	84.4	74.6	47.1	29.2
176.9	80°	107.1	63.3	38.9	27.6	19.5	30.8	45.4	32.4	17.8	6.5
103.8	82.5°	56.8	32.4	14.6	9.7	8.1	9.7	11.4	8.1	3.2	0.0
53.5	85°	22.7	11.4	4.9	3.2	1.6	0.0	3.2	1.6	0.0	0.0
9.7	87.5°	8.1	1.6	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°
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3209.3
2998.3
2510.0
1870.7
1262.3
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996.2
981.6
958.9
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921.6
910.2
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887.5
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