

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: P852780

Luminaire Tested: **GLAN-SB6B-835-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852780
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-SB6B-835-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3500K, 450mA 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: 21407 lumens
Efficiency: N/A
Efficacy: 97.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

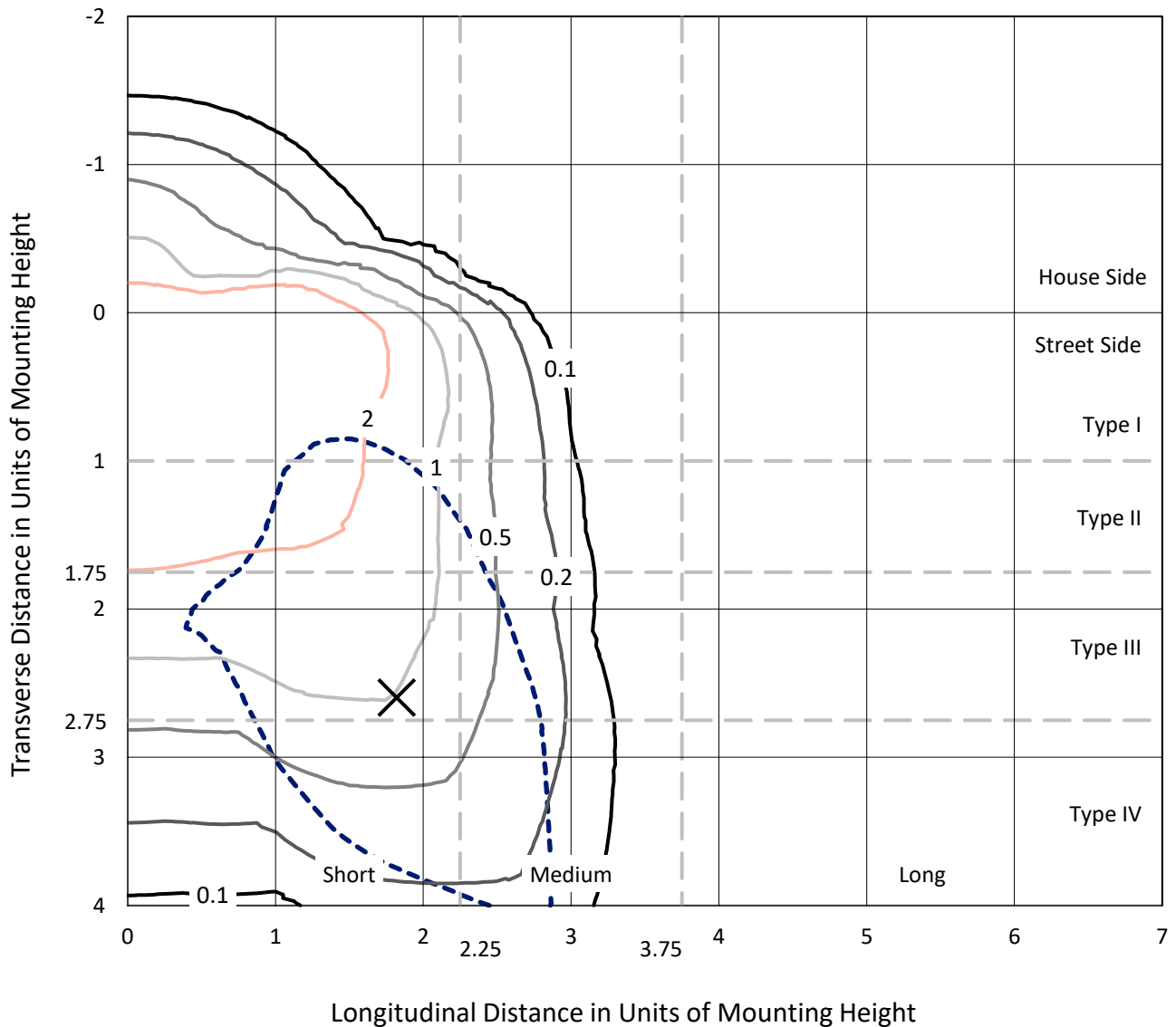
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

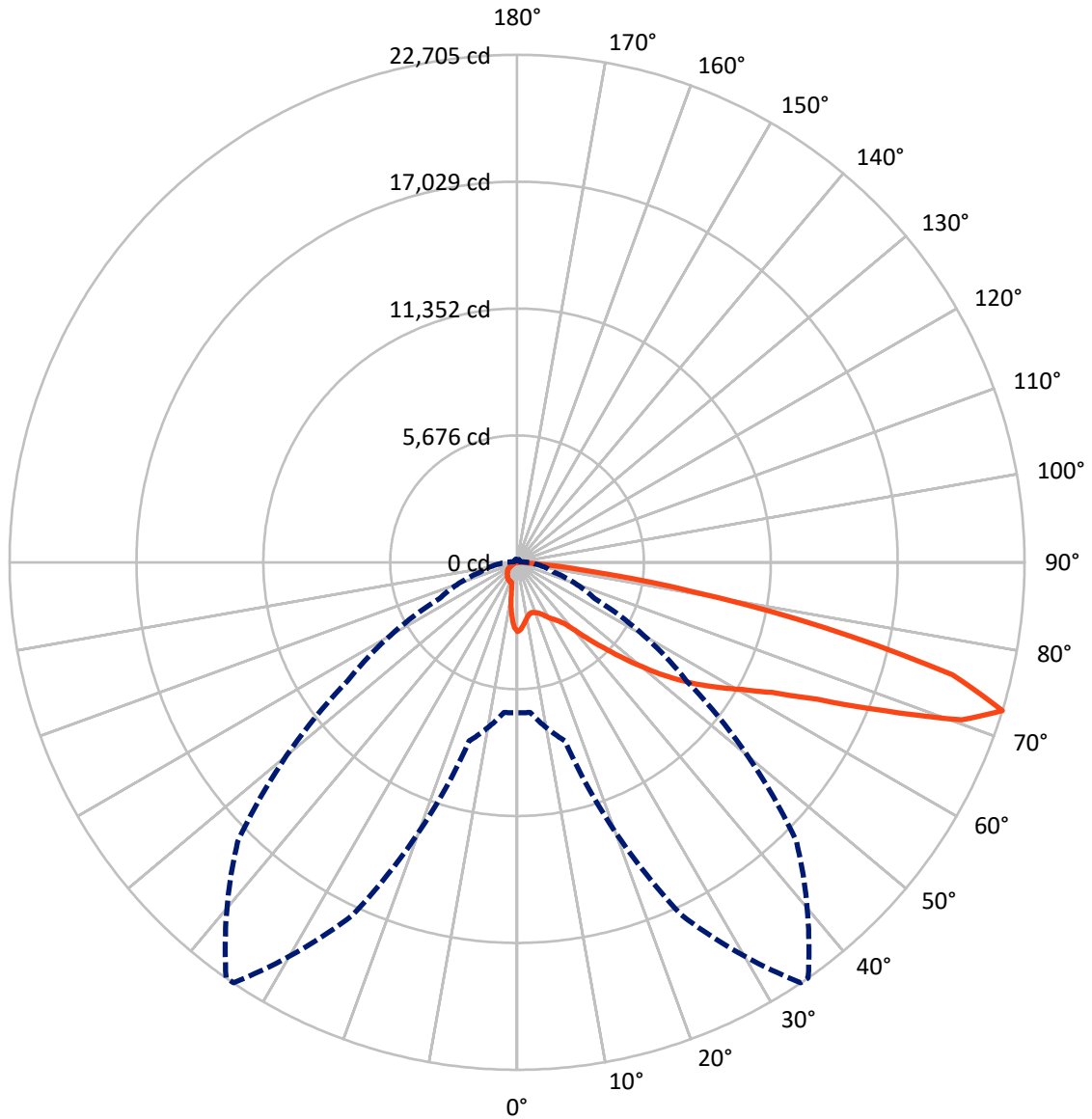
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 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	2409.3	0.0	2409.3
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	18997.7	0.0	18997.7
	% Fixture	88.7	0.0	88.7
Total	Lumens	21407.0	0.0	21407.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.9	1.2
10°-20°	596.4	2.8
20°-30°	968.9	4.5
30°-40°	1616.6	7.6
40°-50°	3058.6	14.3
50°-60°	4860.1	22.7
60°-70°	6012.2	28.1
70°-80°	3737.2	17.5
80°-90°	302.0	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°	21407.0	100.0
0°-180°	21407.0	100.0

Coefficient of Utilization



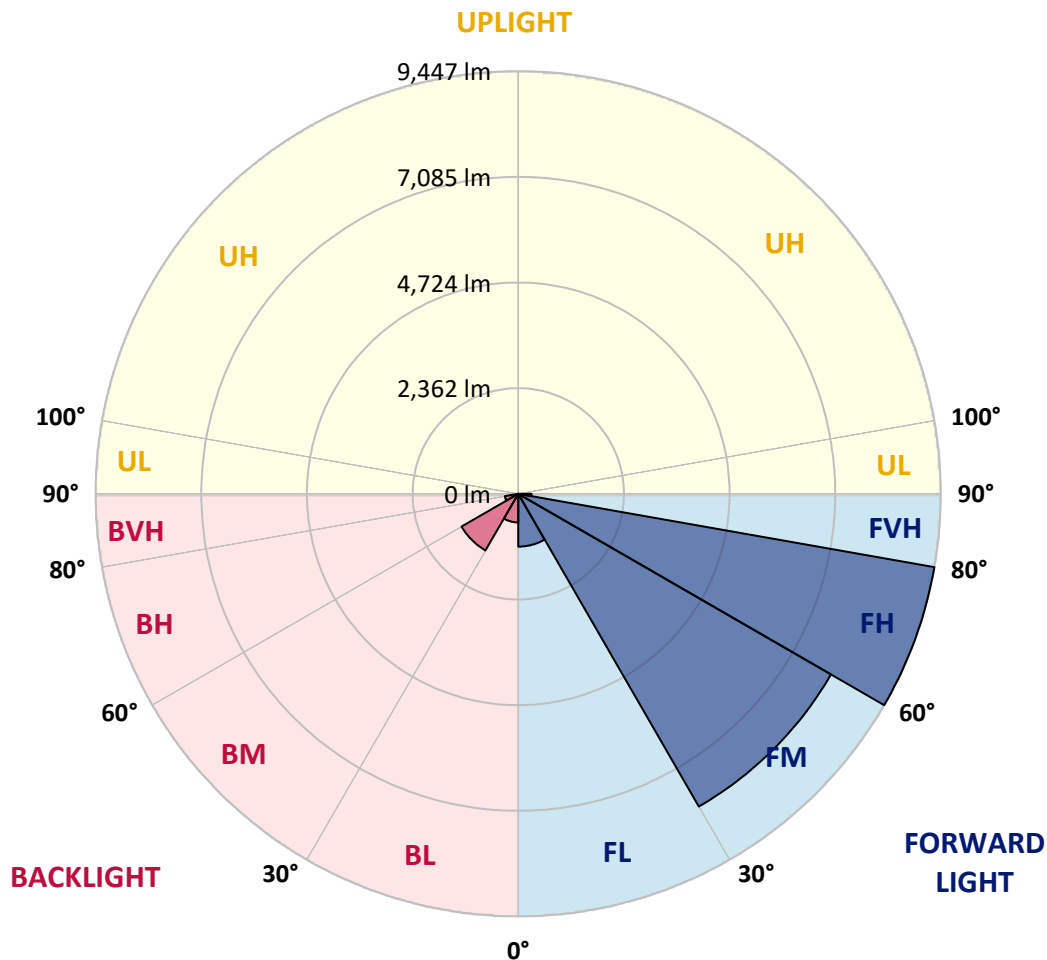
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1180.1	5.5			
FM (30°-60°)	8072.6	37.7			
FH (60°-80°)	9447.2	44.1			G4/12000
FVH (80°-90°)	297.9	1.4			G3/500
BL (0°-30°)	640.2	3.0	B2/1000		
BM (30°-60°)	1462.6	6.8	B2/2500		
BH (60°-80°)	302.3	1.4	B1/500		G1/500
BVH (80°-90°)	4.1	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°	3102.6	3102.6	3102.6	3102.6	3102.6	3102.6	3102.6	3102.6	3102.6	3102.6
2.5°	2964.6	2989.7	2994.4	3002.2	3002.2	3011.6	3027.3	3049.3	3085.3	3104.2
5°	2732.4	2751.2	2774.8	2793.6	2829.7	2834.4	2895.5	2955.1	3038.3	3101.0
7.5°	2498.7	2520.7	2552.0	2597.5	2644.6	2658.7	2751.2	2851.6	2983.4	3101.0
10°	2334.0	2335.6	2363.8	2409.3	2484.6	2501.8	2614.8	2757.5	2922.2	3082.2
12.5°	2241.5	2252.4	2265.0	2299.5	2371.6	2382.6	2503.4	2671.2	2861.0	3071.2
15°	2241.5	2249.3	2257.1	2274.4	2332.4	2341.8	2448.5	2616.3	2829.7	3075.9
17.5°	2265.0	2277.5	2271.3	2291.7	2352.8	2359.1	2453.2	2600.7	2828.1	3105.7
20°	2321.5	2330.9	2318.3	2330.9	2392.0	2404.6	2501.8	2630.5	2854.8	3157.5
22.5°	2410.9	2415.6	2385.8	2395.2	2457.9	2473.6	2586.5	2715.2	2919.1	3240.6
25°	2523.8	2533.2	2487.7	2498.7	2558.3	2577.1	2707.3	2842.2	3021.0	3355.1
27.5°	2654.0	2658.7	2619.5	2617.9	2694.8	2721.4	2853.2	2999.1	3157.5	3499.4
30°	2803.0	2817.1	2779.5	2773.2	2870.4	2892.4	3022.6	3192.0	3358.3	3715.9
32.5°	2920.6	2931.6	2909.7	2925.3	3024.2	3041.4	3228.1	3464.9	3673.5	4023.3
35°	3090.0	3096.3	3046.1	3074.4	3187.3	3231.2	3508.8	3847.7	4070.4	4409.2
37.5°	3703.3	3703.3	3490.0	3350.4	3458.7	3497.9	3893.1	4329.2	4559.8	4926.8
40°	4551.9	4537.8	4225.7	3940.2	3926.1	4002.9	4440.6	4936.2	5191.9	5548.0
42.5°	5457.0	5435.0	5009.9	4727.6	4680.6	4707.2	5072.7	5684.4	5944.8	6305.6
45°	6260.1	6253.8	5864.8	5485.2	5400.5	5485.2	5861.7	6559.7	6746.3	7125.9
47.5°	6933.0	6933.0	6649.1	6401.3	6357.3	6407.5	6929.9	7530.6	7513.4	7999.6
50°	7707.9	7701.6	7431.8	7325.1	7370.6	7441.2	8159.6	8553.3	8307.0	8857.6
52.5°	8250.6	8288.2	8195.7	8178.4	8410.6	8532.9	9408.2	9554.0	9017.6	9671.7
55°	8680.4	8724.3	8830.9	8951.7	9398.8	9558.7	10617.5	10503.0	9612.1	10377.5
57.5°	9289.0	9226.2	9390.9	9629.3	10352.4	10545.4	11789.2	11398.7	10090.5	10950.0
60°	10027.7	10037.2	10065.4	10366.5	11304.5	11552.4	12943.7	12245.7	10397.9	11301.4
62.5°	10915.5	10929.7	10987.7	11450.4	12582.9	12816.6	14173.4	12939.0	10539.1	11202.6
65°	10854.4	10914.0	11561.8	13144.4	14526.3	14756.9	15608.6	13425.2	10325.8	10299.1
67.5°	9888.1	9985.4	11069.3	15167.9	17456.4	17713.6	17343.5	13520.9	9405.0	8009.0
70°	8620.8	8655.3	9958.7	16987.4	20849.2	21109.5	18896.3	12468.4	7136.9	4467.2
72.5°	6732.2	6740.1	8269.4	17409.3	22690.6	22704.8	17677.6	9256.0	3838.2	1716.0
75°	4809.2	4762.1	5538.6	14118.5	19962.9	20122.9	13252.7	4341.7	1466.6	810.9
77.5°	2578.7	2630.5	3134.0	8372.9	13790.7	14063.6	7231.0	1251.7	746.6	552.1
80°	796.8	840.7	1284.6	3833.5	7811.4	7976.1	2680.7	556.8	520.8	393.7
82.5°	251.0	260.4	599.2	1610.9	3242.2	3317.5	776.4	315.3	356.1	260.4
85°	72.2	73.7	266.7	600.8	801.5	817.2	218.0	122.3	203.9	161.6
87.5°	7.8	25.1	100.4	100.4	70.6	69.0	23.5	26.7	58.0	20.4
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°
3102.6	0°	3102.6	3102.6	3102.6	3102.6	3102.6	3102.6	3102.6	3102.6	3102.6	3102.6
3116.7	2.5°	3108.9	3110.4	3090.0	3055.5	3017.9	2986.5	2947.3	2915.9	2894.0	2887.7
3144.9	5°	3130.8	3119.8	3061.8	2956.7	2831.2	2723.0	2602.2	2506.5	2443.8	2417.1
3174.7	7.5°	3163.8	3132.4	3005.3	2798.3	2558.3	2345.0	2128.5	1960.7	1854.0	1800.7
3203.0	10°	3192.0	3129.3	2911.2	2569.3	2202.2	1879.1	1587.4	1385.0	1272.1	1218.8
3235.9	12.5°	3218.7	3127.7	2788.9	2297.9	1800.7	1405.4	1134.1	1033.7	1002.3	991.3
3289.2	15°	3268.9	3132.4	2635.2	1987.4	1400.7	1061.9	963.1	961.5	967.8	964.7
3370.8	17.5°	3337.9	3137.1	2461.1	1658.0	1080.7	936.4	931.7	945.8	955.2	950.5
3472.8	20°	3427.3	3155.9	2276.0	1331.7	928.6	905.1	916.0	928.6	936.4	928.6
3609.2	22.5°	3552.8	3188.9	2073.6	1069.8	880.0	886.2	895.6	909.8	917.6	906.6
3783.3	25°	3706.5	3240.6	1874.4	930.2	856.4	864.3	878.4	894.1	903.5	892.5
4002.9	27.5°	3905.7	3323.8	1690.9	898.8	832.9	837.6	858.0	881.5	894.1	880.0
4315.1	30°	4194.3	3460.2	1532.5	912.9	818.8	807.8	836.0	869.0	883.1	870.5
4740.2	32.5°	4577.0	3653.2	1435.2	934.9	812.5	773.3	800.0	842.3	865.8	858.0
5295.4	35°	5079.0	3946.5	1397.6	960.0	807.8	737.2	756.0	801.5	842.3	850.2
5995.0	37.5°	5687.6	4354.3	1408.6	970.9	793.7	707.4	716.8	756.0	809.4	834.5
6782.4	40°	6379.3	4829.6	1471.3	960.0	778.0	682.3	683.9	713.7	760.7	798.4
7629.4	42.5°	7093.0	5384.8	1587.4	919.2	763.9	660.4	655.7	676.0	707.4	734.1
8474.9	45°	7772.2	5955.8	1701.9	862.7	746.6	638.4	627.4	635.3	641.5	652.5
9298.4	47.5°	8365.1	6357.3	1668.9	810.9	723.1	613.3	594.5	591.3	572.5	571.0
10034.0	50°	8774.5	6445.2	1482.3	759.2	688.6	585.1	555.3	536.4	503.5	487.8
10584.6	52.5°	8904.7	6098.5	1210.9	707.4	632.1	547.4	505.1	475.3	434.5	420.4
10901.4	55°	8732.1	5419.3	967.8	644.7	553.7	497.2	450.2	411.0	378.0	360.8
10935.9	57.5°	8310.2	4555.1	765.5	571.0	470.6	440.8	393.7	354.5	326.3	309.0
10553.2	60°	7610.6	3617.1	605.5	483.1	401.5	379.6	331.0	305.9	280.8	260.4
9565.0	62.5°	6548.7	2581.8	475.3	382.7	335.7	310.6	282.3	263.5	233.7	205.5
7787.9	65°	5110.3	1579.5	367.0	280.8	269.8	257.2	240.0	222.7	186.7	158.4
5080.5	67.5°	3223.4	748.2	261.9	211.8	213.3	207.0	199.2	185.1	158.4	133.3
2276.0	70°	1419.5	362.3	172.5	161.6	158.4	158.4	164.7	160.0	134.9	111.4
790.5	72.5°	483.1	194.5	128.6	122.3	114.5	112.9	138.0	133.3	108.2	86.3
393.7	75°	252.5	130.2	94.1	87.8	69.0	83.1	109.8	103.5	76.9	56.5
260.4	77.5°	164.7	92.5	64.3	56.5	39.2	54.9	81.6	72.2	45.5	28.2
171.0	80°	103.5	61.2	37.6	26.7	18.8	29.8	43.9	31.4	17.3	6.3
100.4	82.5°	54.9	31.4	14.1	9.4	7.8	9.4	11.0	7.8	3.1	0.0
51.8	85°	22.0	11.0	4.7	3.1	1.6	0.0	3.1	1.6	0.0	0.0
9.4	87.5°	7.8	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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3102.6
2898.7
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