

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: P847928

Luminaire Tested: **GLAN-SB4B-730-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847928  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4B-730-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21815 lumens  
Efficiency: N/A  
Efficacy: 148.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3

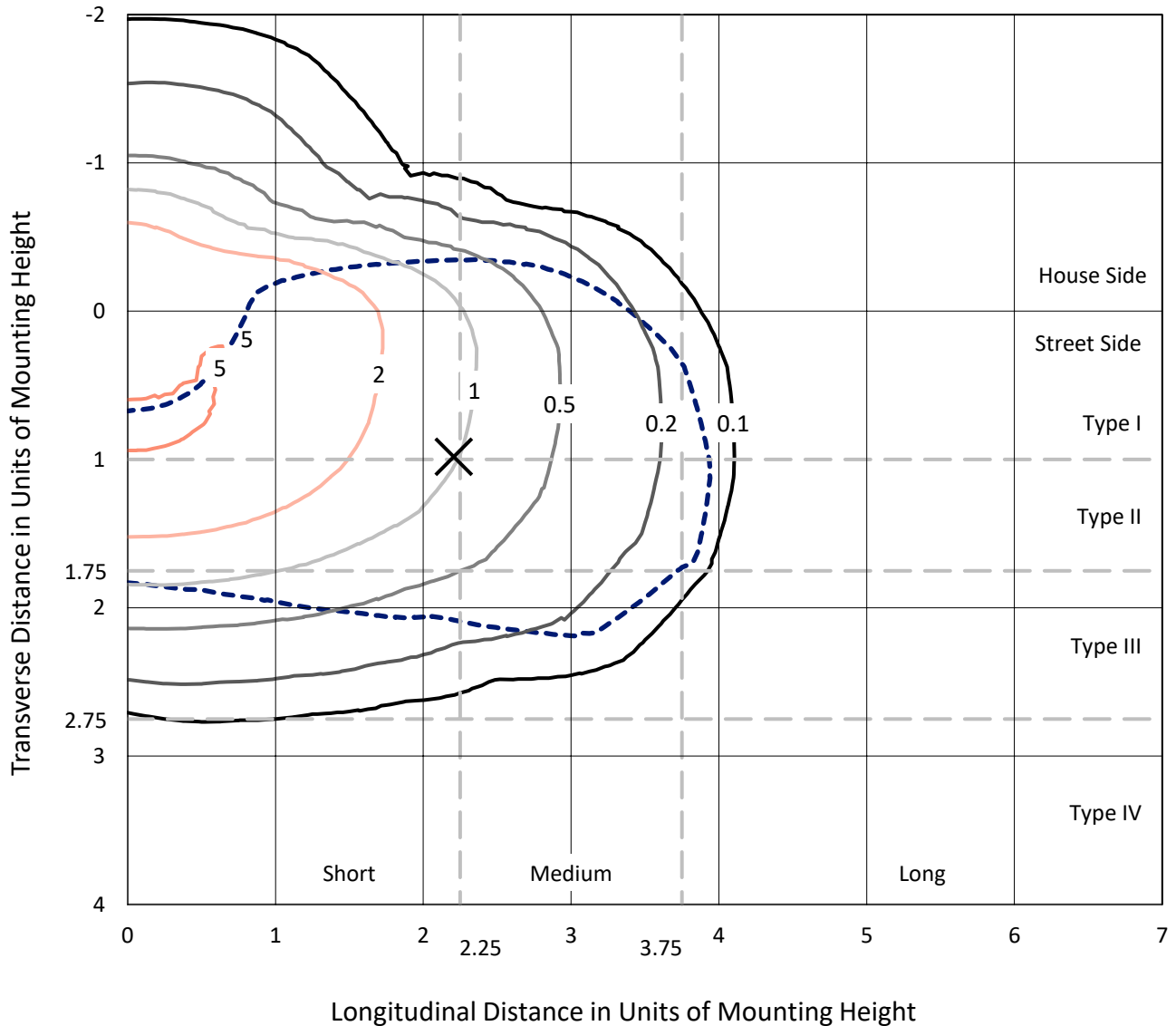
Input Watts (W): 147  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

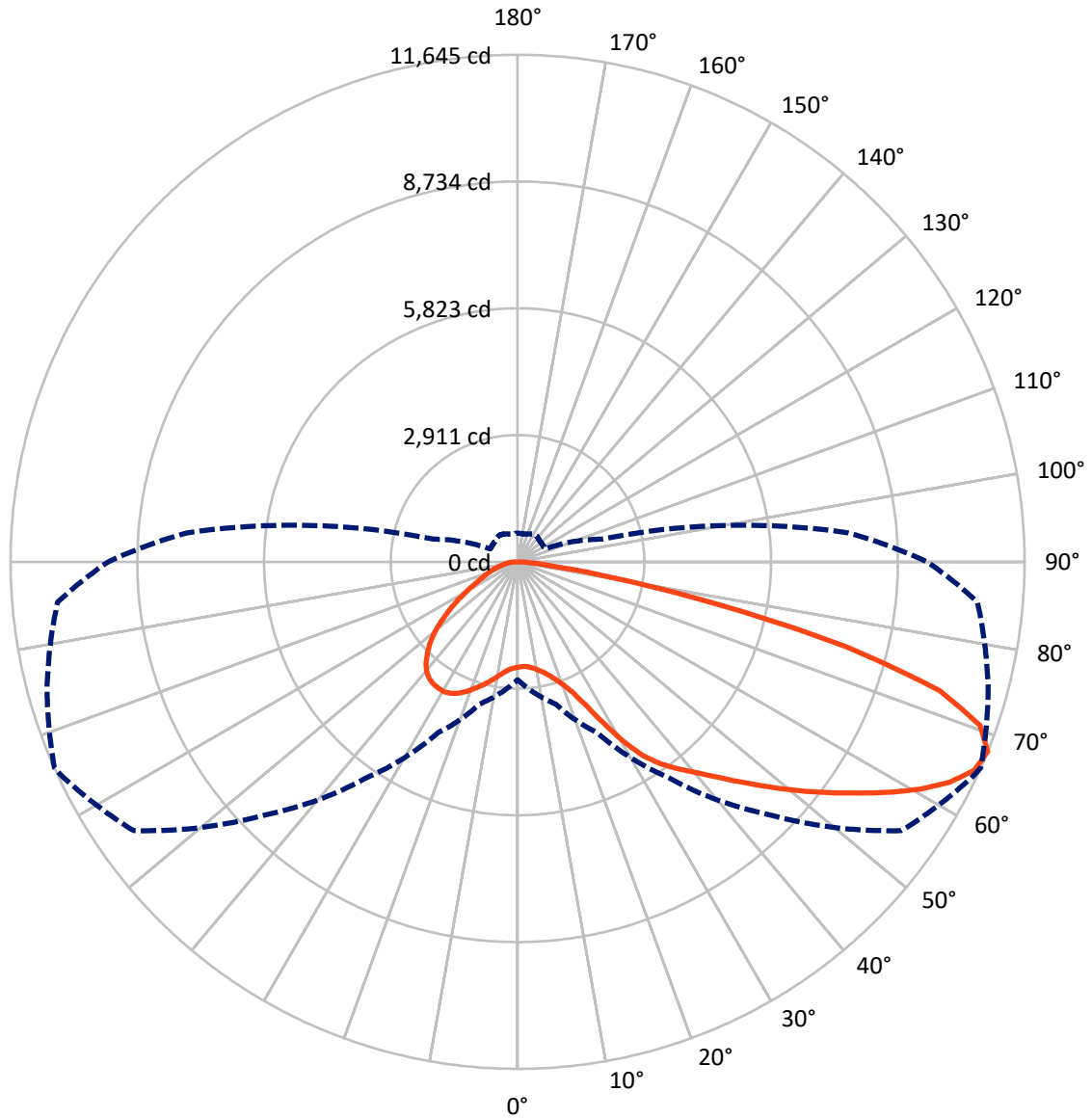
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5424.2	0.0	5424.2
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	16390.8	0.0	16390.8
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	21815.0	0.0	21815.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	239.9	1.1
10°-20°	792.6	3.6
20°-30°	1527.6	7.0
30°-40°	2678.5	12.3
40°-50°	3982.1	18.3
50°-60°	5047.6	23.1
60°-70°	4939.0	22.6
70°-80°	2355.9	10.8
80°-90°	251.8	1.2
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°	21815.0	100.0
0°-180°	21815.0	100.0

**Coefficient of Utilization**



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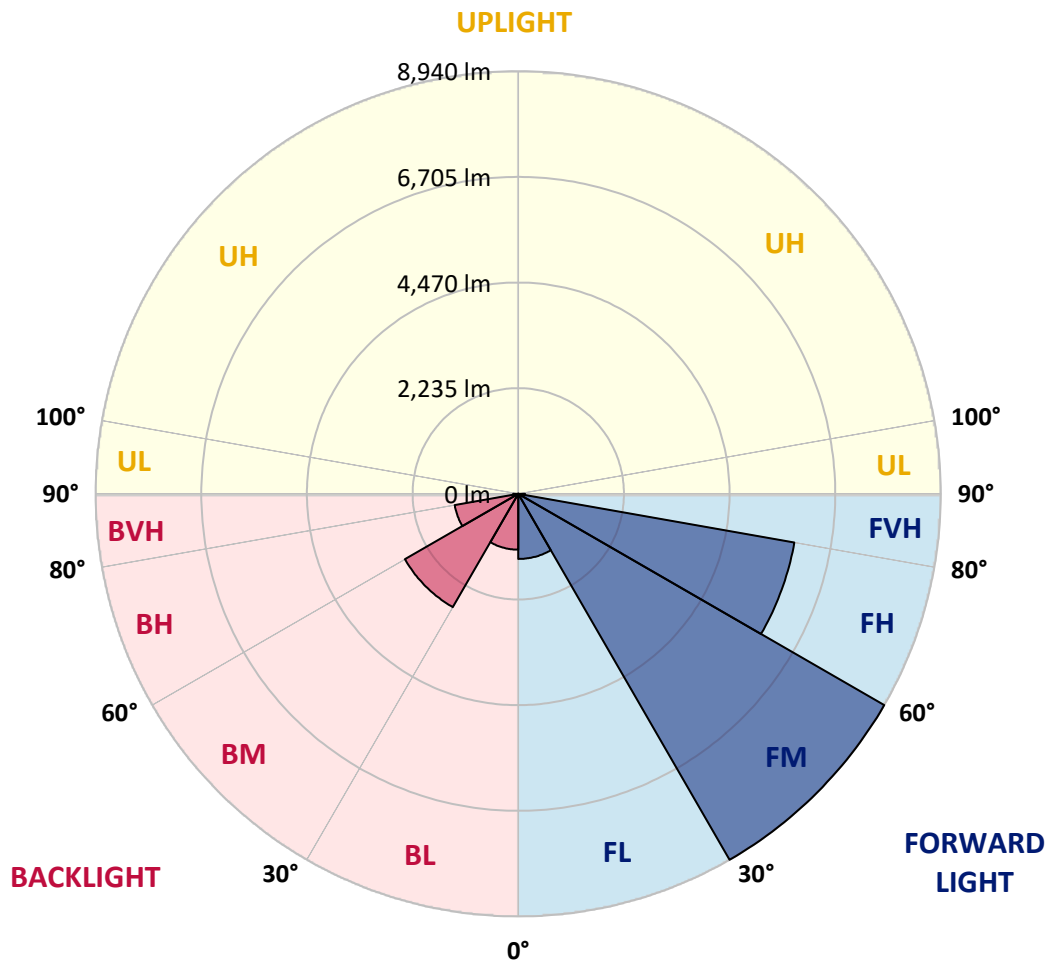
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1378.5	6.3			
FM (30°-60°)	8939.6	41.0			
FH (60°-80°)	5929.9	27.2			G3/7500
FVH (80°-90°)	142.8	0.7			G2/225
BL (0°-30°)	1181.6	5.4	B3/2500		
BM (30°-60°)	2768.6	12.7	B3/5000		
BH (60°-80°)	1365.0	6.3	B3/2500		G3/2500
BVH (80°-90°)	109.0	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	2419.6	2419.6	2419.6	2419.6	2419.6	2419.6	2419.6	2419.6	2419.6	2419.6
2.5°	2394.4	2408.1	2404.7	2398.9	2397.8	2400.1	2403.5	2407.0	2405.8	2411.5
5°	2387.5	2401.2	2400.1	2400.1	2404.7	2413.8	2419.6	2425.3	2419.6	2426.4
7.5°	2392.1	2402.4	2407.0	2411.5	2423.0	2440.2	2454.0	2466.6	2459.7	2467.7
10°	2450.5	2458.5	2463.1	2463.1	2471.1	2490.6	2504.4	2527.3	2521.6	2534.2
12.5°	2557.1	2565.1	2565.1	2560.6	2566.3	2578.9	2583.5	2608.7	2598.4	2619.0
15°	2687.8	2703.8	2691.2	2683.2	2685.5	2698.1	2696.9	2716.4	2706.1	2723.3
17.5°	2832.2	2852.8	2832.2	2831.0	2826.5	2840.2	2841.4	2858.6	2840.2	2852.8
20°	3003.0	3031.6	3014.4	3020.2	3009.9	3015.6	3021.3	3046.5	3017.9	3027.0
22.5°	3243.7	3278.1	3259.7	3281.5	3274.6	3270.0	3268.9	3313.6	3268.9	3272.3
25°	3594.4	3635.7	3603.6	3633.4	3633.4	3648.3	3665.5	3722.8	3648.3	3626.5
27.5°	4112.5	4153.7	4090.7	4109.0	4103.3	4140.0	4121.6	4263.8	4183.5	4148.0
30°	4736.0	4809.3	4690.1	4685.6	4679.8	4738.3	4764.6	4858.6	4777.3	4741.7
32.5°	5409.9	5486.7	5344.6	5303.3	5281.6	5317.1	5295.3	5371.0	5314.8	5259.8
35°	6122.9	6198.5	6063.3	5983.0	5895.9	5821.4	5743.5	5763.0	5710.2	5626.6
37.5°	6796.8	6935.5	6792.2	6706.3	6545.8	6400.2	6182.5	6091.9	6042.6	5965.8
40°	7483.4	7562.5	7453.6	7380.2	7206.0	6977.9	6629.5	6438.1	6371.6	6297.1
42.5°	7988.8	8064.5	8006.0	7955.6	7819.2	7554.4	7104.0	6864.4	6768.2	6684.5
45°	8390.0	8446.2	8409.5	8427.8	8369.4	8112.6	7595.7	7321.8	7222.0	7120.0
47.5°	8551.6	8611.2	8669.7	8778.5	8878.3	8689.1	8124.1	7816.9	7711.5	7607.2
50°	8533.3	8594.0	8763.6	8995.2	9304.6	9241.6	8681.1	8344.1	8246.7	8127.5
52.5°	8386.5	8455.3	8673.1	9058.2	9551.1	9655.4	9248.5	8888.6	8796.9	8654.8
55°	8001.4	8042.7	8369.4	8914.9	9609.5	9944.2	9804.4	9468.5	9376.8	9178.6
57.5°	7287.4	7347.0	7822.6	8528.7	9462.8	10140.2	10292.6	10078.3	9990.0	9704.6
60°	6355.5	6450.7	6995.1	7879.9	9089.2	10139.0	10736.2	10677.8	10604.4	10222.7
62.5°	5301.1	5411.1	5934.9	6963.0	8435.8	9851.4	11013.6	11179.8	11142.0	10700.7
65°	4071.2	4146.9	4668.4	5776.7	7419.2	9233.6	11045.7	11522.5	11529.4	11064.0
67.5°	2710.7	2928.5	3381.2	4334.8	6057.5	8223.8	10763.7	11578.6	11645.1	11188.9
70°	1322.7	1609.2	2052.8	2817.3	4334.8	6675.3	10026.7	11117.9	11265.7	10824.5
72.5°	549.0	641.9	883.7	1390.3	2488.3	4504.5	8545.9	9868.6	10142.5	9591.2
75°	370.2	401.2	505.5	712.9	1133.6	2221.3	6163.0	7358.4	7799.7	7243.8
77.5°	285.4	304.9	367.9	498.6	673.9	840.1	3298.7	4434.5	4662.6	4316.5
80°	224.6	239.6	275.1	363.3	478.0	449.3	1124.4	2009.2	2141.1	1796.1
82.5°	194.8	200.6	197.1	246.4	317.5	262.5	369.1	741.6	818.4	593.7
85°	141.0	157.0	163.9	152.4	168.5	133.0	151.3	262.5	288.8	257.9
87.5°	57.3	84.8	104.3	98.6	61.9	37.8	47.0	76.8	88.3	96.3
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°
2419.6	0°	2419.6	2419.6	2419.6	2419.6	2419.6	2419.6	2419.6	2419.6	2419.6	2419.6
2420.7	2.5°	2421.9	2429.9	2435.6	2442.5	2447.1	2454.0	2467.7	2475.7	2476.9	2482.6
2439.1	5°	2443.6	2455.1	2467.7	2486.0	2506.7	2523.9	2550.2	2568.6	2575.5	2581.2
2483.8	7.5°	2490.6	2506.7	2529.6	2561.7	2591.5	2614.4	2646.5	2668.3	2690.1	2698.1
2554.8	10°	2560.6	2583.5	2616.7	2660.3	2692.4	2722.2	2755.4	2773.7	2795.5	2804.7
2639.6	12.5°	2647.7	2671.7	2715.3	2776.0	2805.8	2826.5	2837.9	2833.3	2837.9	2845.9
2741.6	15°	2747.4	2773.7	2823.0	2888.4	2909.0	2890.6	2865.4	2842.5	2839.1	2841.4
2865.4	17.5°	2865.4	2884.9	2942.2	2997.2	2982.3	2906.7	2851.7	2815.0	2796.7	2790.9
3023.6	20°	3030.5	3030.5	3077.5	3111.9	3012.1	2883.8	2797.8	2738.2	2700.4	2684.3
3239.1	22.5°	3231.1	3212.7	3242.5	3218.5	3006.4	2819.6	2700.4	2597.2	2539.9	2517.0
3540.5	25°	3485.5	3463.7	3455.7	3306.7	2965.2	2717.6	2523.9	2398.9	2348.5	2335.9
3974.9	27.5°	3869.5	3814.5	3710.2	3354.8	2889.5	2557.1	2317.6	2201.8	2173.1	2174.3
4533.1	30°	4380.7	4270.6	4015.0	3362.9	2765.7	2330.2	2106.7	2024.1	2010.4	2016.1
5001.9	32.5°	4854.0	4749.7	4326.8	3326.2	2575.5	2107.8	1917.5	1862.5	1841.9	1848.8
5359.5	35°	5225.4	5196.7	4615.6	3274.6	2341.6	1899.2	1747.9	1700.9	1660.8	1651.6
5696.5	37.5°	5576.1	5564.7	4832.3	3202.4	2110.1	1751.4	1611.5	1549.6	1491.2	1459.1
6069.0	40°	5961.2	5949.8	4974.4	3091.2	1904.9	1623.0	1488.9	1407.5	1335.3	1276.8
6490.8	42.5°	6394.5	6326.9	5042.0	2931.9	1730.7	1514.1	1389.2	1279.1	1184.0	1130.1
6967.6	45°	6867.9	6715.4	5040.9	2729.0	1584.0	1414.4	1282.6	1126.7	1038.4	988.0
7457.0	47.5°	7369.9	7086.8	4979.0	2504.4	1441.9	1304.3	1117.5	998.3	939.9	908.9
7988.8	50°	7888.0	7434.1	4873.5	2246.5	1296.3	1179.4	1014.4	933.0	888.3	859.6
8516.1	52.5°	8375.1	7749.3	4746.3	1954.2	1148.5	1057.9	968.5	905.5	858.5	826.4
9027.3	55°	8827.8	8020.9	4566.4	1655.1	1028.1	976.5	946.7	894.0	840.1	802.3
9546.5	57.5°	9230.1	8197.4	4255.7	1374.3	942.2	920.4	923.8	874.5	812.6	780.5
10057.7	60°	9564.8	8326.9	3796.1	1114.1	872.2	865.4	888.3	837.9	765.6	729.0
10489.8	62.5°	9765.4	8324.7	3232.2	912.4	812.6	814.9	841.3	792.0	718.7	684.3
10715.6	65°	9748.2	8120.6	2613.3	780.5	755.3	757.6	792.0	741.6	679.7	659.0
10602.1	67.5°	9403.2	7623.2	2004.7	694.6	692.3	702.6	742.7	707.2	655.6	653.3
9925.9	70°	8469.1	6590.5	1444.2	625.8	627.0	641.9	694.6	685.4	643.0	647.6
8345.3	72.5°	6791.1	5024.8	969.7	553.6	554.7	578.8	648.7	668.2	630.4	691.1
5921.1	75°	4522.8	3133.6	623.5	476.8	478.0	508.9	608.6	635.0	596.0	688.9
3080.9	77.5°	2173.1	1408.6	451.6	401.2	401.2	429.8	526.1	568.5	507.8	535.3
990.3	80°	750.7	529.5	355.3	323.2	316.3	335.8	443.6	492.9	437.8	403.5
323.2	82.5°	295.7	275.1	285.4	251.0	228.1	240.7	345.0	406.9	322.1	291.1
182.2	85°	169.6	178.8	201.7	166.2	131.8	147.9	253.3	292.3	243.0	214.3
59.6	87.5°	45.8	63.0	92.8	86.0	59.6	63.0	120.3	161.6	139.8	107.7
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°
2419.6
2481.5
2580.0
2699.2
2809.3
2848.2
2849.4
2799.0
2680.9
2513.6
2338.2
2177.7
2035.6
1857.9
1658.5
1460.2
1282.6
1133.6
985.7
902.0
849.3
812.6
787.4
759.9
712.9
673.9
657.9
656.8
646.4
700.3
694.6
490.6
378.2
290.0
218.9
111.2
0.0

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