

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: P852626

Luminaire Tested: **GLAN-SB5B-722-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852626
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-SB5B-722-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 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: 16841 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

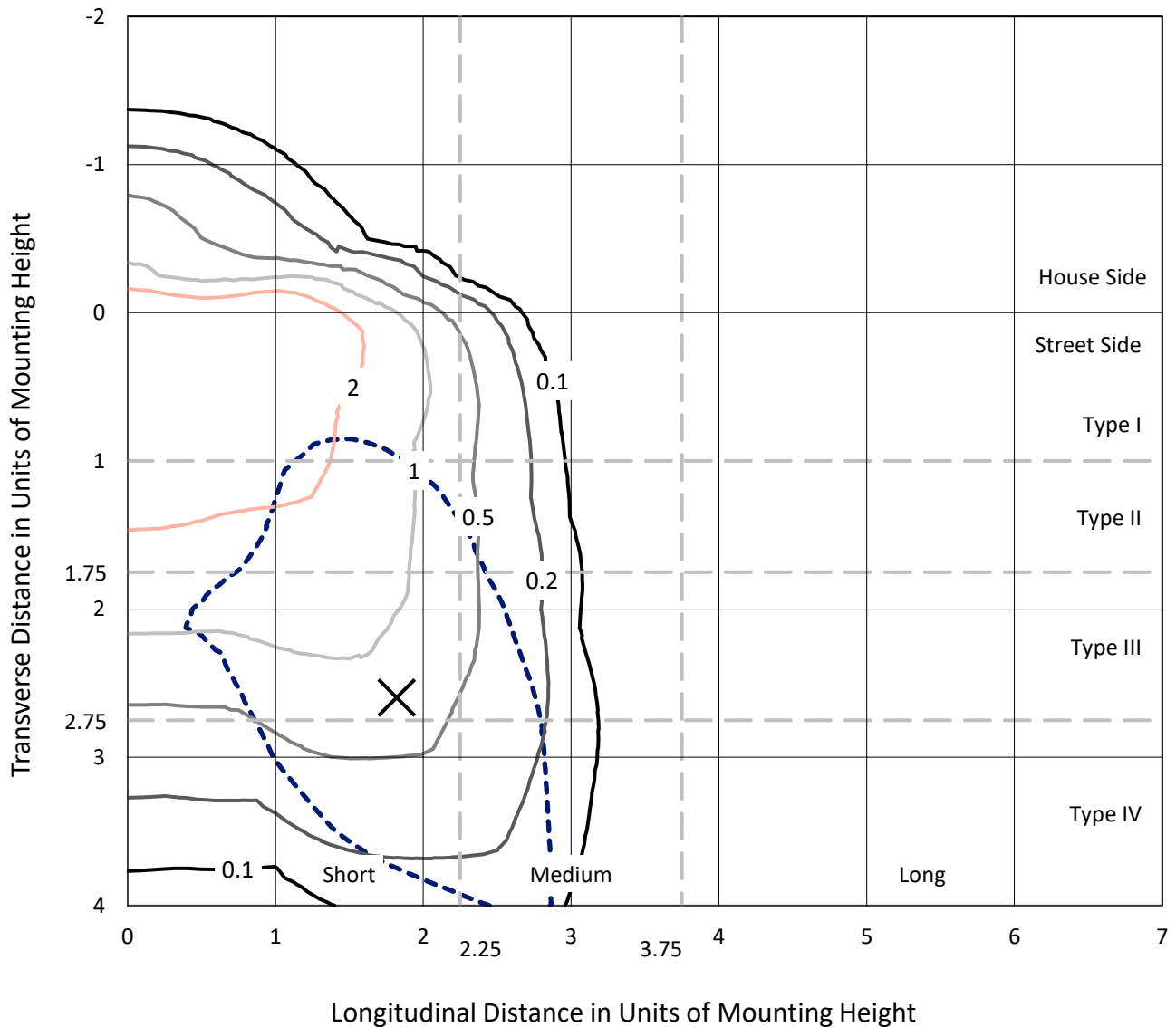
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

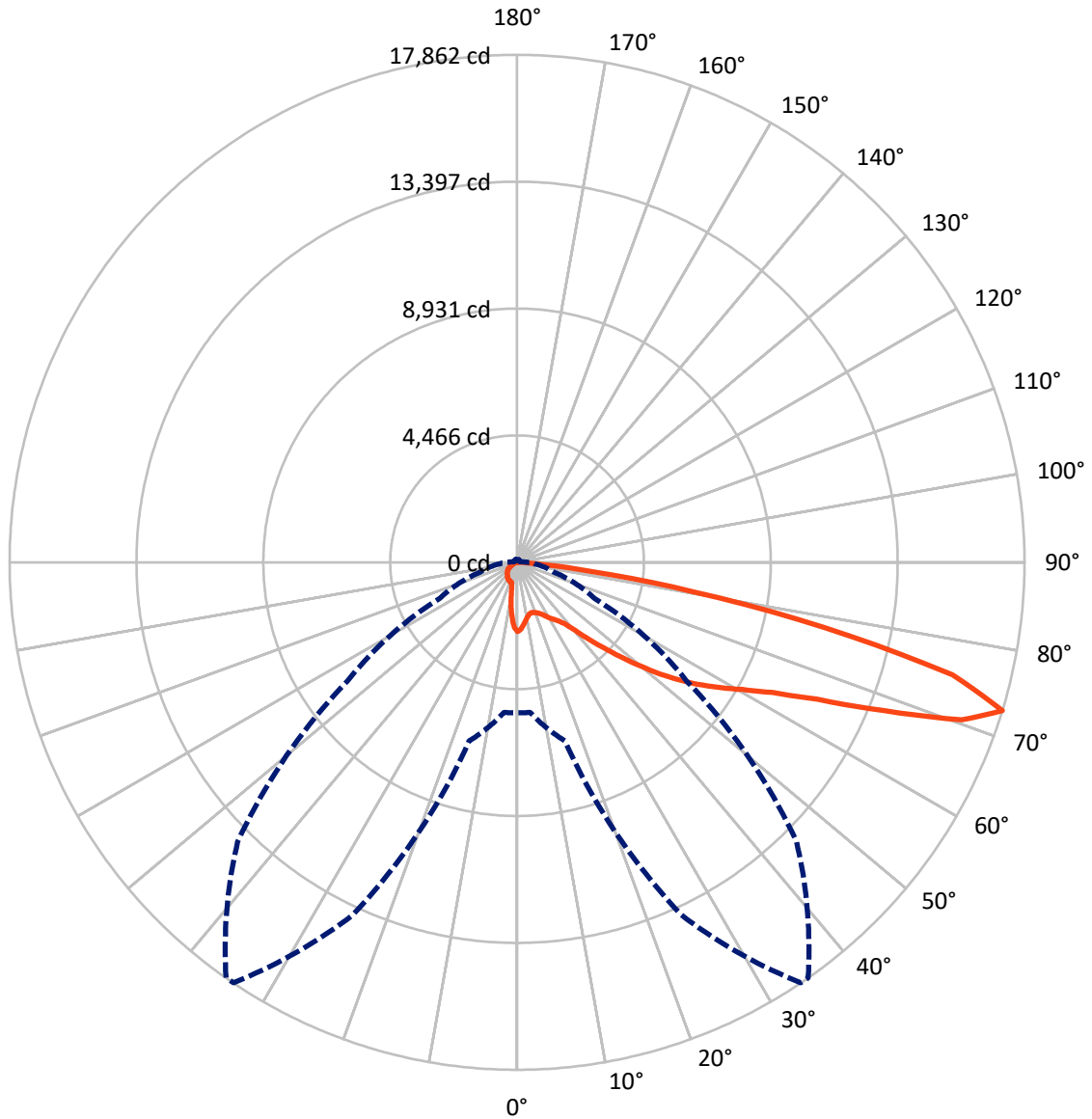
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 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	1895.4	0.0	1895.4
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	14945.6	0.0	14945.6
	% Fixture	88.7	0.0	88.7
Total	Lumens	16841.0	0.0	16841.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.6	1.2
10°-20°	469.2	2.8
20°-30°	762.2	4.5
30°-40°	1271.8	7.6
40°-50°	2406.2	14.3
50°-60°	3823.4	22.7
60°-70°	4729.9	28.1
70°-80°	2940.1	17.5
80°-90°	237.6	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°	16841.0	100.0
0°-180°	16841.0	100.0

Coefficient of Utilization



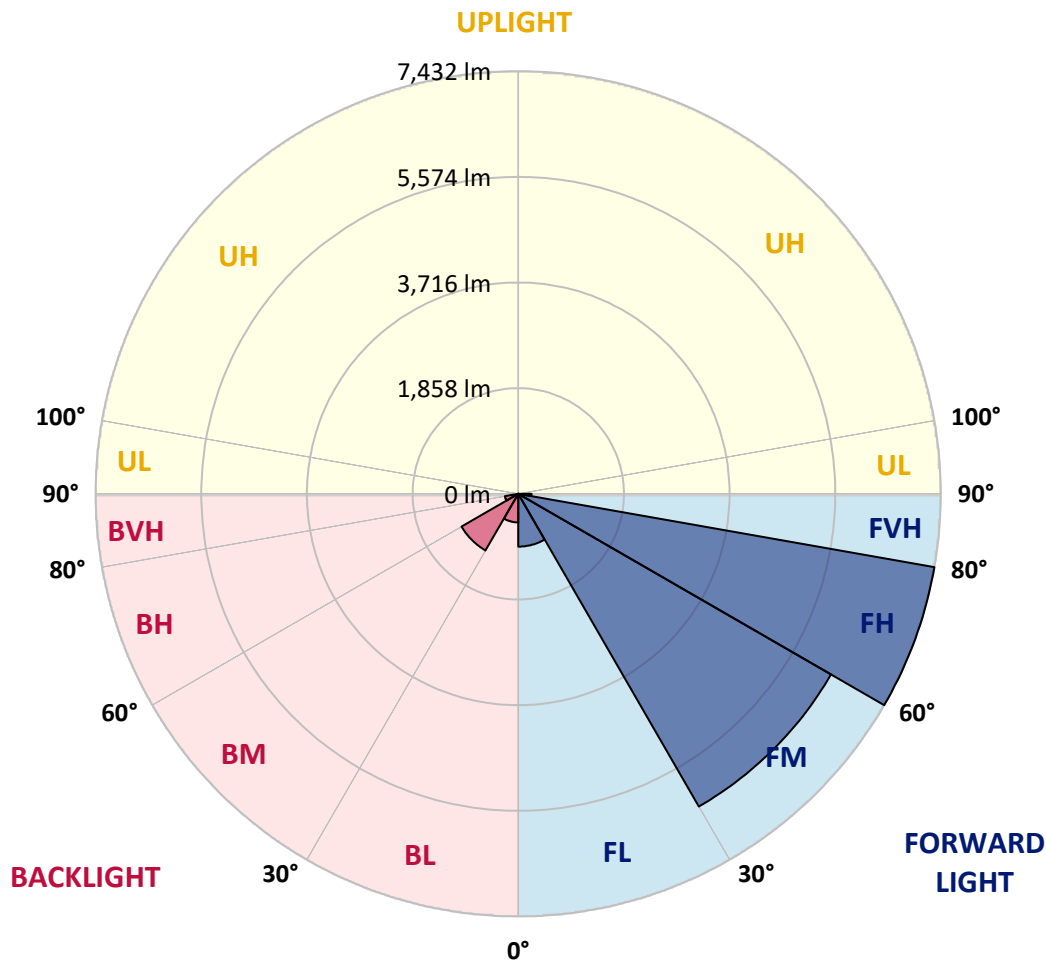
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	928.4	5.5			
FM (30°-60°)	6350.7	37.7			
FH (60°-80°)	7432.1	44.1			G3/7500
FVH (80°-90°)	234.4	1.4			G3/500
BL (0°-30°)	503.6	3.0	B2/1000		
BM (30°-60°)	1150.7	6.8	B2/2500		
BH (60°-80°)	237.8	1.4	B1/500		G1/500
BVH (80°-90°)	3.2	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-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	2440.8	2440.8	2440.8	2440.8	2440.8	2440.8	2440.8	2440.8	2440.8	2440.8
2.5°	2332.2	2352.0	2355.7	2361.9	2361.9	2369.3	2381.6	2398.9	2427.3	2442.1
5°	2149.6	2164.4	2182.9	2197.7	2226.1	2229.8	2277.9	2324.8	2390.2	2439.6
7.5°	1965.7	1983.0	2007.7	2043.5	2080.5	2091.6	2164.4	2243.4	2347.0	2439.6
10°	1836.2	1837.4	1859.6	1895.4	1954.6	1968.2	2057.1	2169.3	2298.9	2424.8
12.5°	1763.4	1772.0	1781.9	1809.0	1865.8	1874.4	1969.4	2101.5	2250.8	2416.1
15°	1763.4	1769.5	1775.7	1789.3	1834.9	1842.3	1926.3	2058.3	2226.1	2419.8
17.5°	1781.9	1791.7	1786.8	1802.9	1851.0	1855.9	1930.0	2045.9	2224.9	2443.3
20°	1826.3	1833.7	1823.8	1833.7	1881.8	1891.7	1968.2	2069.4	2245.9	2484.0
22.5°	1896.6	1900.3	1876.9	1884.3	1933.7	1946.0	2034.8	2136.0	2296.4	2549.4
25°	1985.5	1992.9	1957.1	1965.7	2012.6	2027.4	2129.9	2236.0	2376.7	2639.5
27.5°	2087.9	2091.6	2060.8	2059.5	2120.0	2141.0	2244.6	2359.4	2484.0	2753.0
30°	2205.1	2216.2	2186.6	2181.7	2258.2	2275.5	2377.9	2511.2	2642.0	2923.3
32.5°	2297.7	2306.3	2289.0	2301.4	2379.1	2392.7	2539.5	2725.9	2890.0	3165.2
35°	2431.0	2435.9	2396.4	2418.6	2507.5	2542.0	2760.4	3027.0	3202.2	3468.7
37.5°	2913.4	2913.4	2745.6	2635.8	2720.9	2751.8	3062.8	3405.8	3587.2	3876.0
40°	3581.0	3569.9	3324.4	3099.8	3088.7	3149.1	3493.4	3883.4	4084.5	4364.6
42.5°	4293.0	4275.8	3941.4	3719.2	3682.2	3703.2	3990.7	4472.0	4676.8	4960.6
45°	4924.8	4919.9	4613.9	4315.3	4248.6	4315.3	4611.4	5160.5	5307.4	5606.0
47.5°	5454.2	5454.2	5230.9	5035.9	5001.3	5040.8	5451.8	5924.4	5910.8	6293.3
50°	6063.8	6058.9	5846.6	5762.7	5798.5	5854.0	6419.2	6728.9	6535.2	6968.3
52.5°	6490.8	6520.4	6447.6	6434.0	6616.6	6712.9	7401.5	7516.2	7094.2	7608.8
55°	6828.9	6863.4	6947.3	7042.4	7394.0	7519.9	8352.9	8262.8	7561.9	8164.1
57.5°	7307.7	7258.3	7387.9	7575.4	8144.3	8296.1	9274.6	8967.4	7938.2	8614.5
60°	7888.9	7896.3	7918.5	8155.4	8893.3	9088.3	10182.9	9633.7	8180.1	8890.9
62.5°	8587.3	8598.4	8644.1	9008.1	9899.0	10082.9	11150.3	10179.2	8291.2	8813.1
65°	8539.2	8586.1	9095.7	10340.8	11428.0	11609.3	12279.4	10561.7	8123.3	8102.4
67.5°	7779.1	7855.6	8708.2	11932.7	13733.0	13935.4	13644.2	10637.0	7399.0	6300.7
70°	6782.0	6809.1	7834.6	13364.1	16402.2	16607.0	14865.8	9809.0	5614.6	3514.4
72.5°	5296.3	5302.4	6505.6	13696.0	17850.9	17862.0	13907.0	7281.8	3019.6	1350.0
75°	3783.4	3746.4	4357.2	11107.1	15704.9	15830.8	10426.0	3415.7	1153.8	638.0
77.5°	2028.7	2069.4	2465.5	6587.0	10849.2	11063.9	5688.7	984.7	587.4	434.4
80°	626.9	661.4	1010.6	3015.9	6145.3	6274.8	2108.9	438.1	409.7	309.7
82.5°	197.4	204.8	471.4	1267.3	2550.7	2609.9	610.8	248.0	280.1	204.8
85°	56.8	58.0	209.8	472.6	630.6	642.9	171.5	96.3	160.4	127.1
87.5°	6.2	19.7	79.0	79.0	55.5	54.3	18.5	21.0	45.7	16.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2440.8	0°	2440.8	2440.8	2440.8	2440.8	2440.8	2440.8	2440.8	2440.8	2440.8	2440.8
2451.9	2.5°	2445.8	2447.0	2431.0	2403.8	2374.2	2349.5	2318.7	2294.0	2276.7	2271.8
2474.1	5°	2463.0	2454.4	2408.7	2326.1	2227.3	2142.2	2047.2	1971.9	1922.6	1901.6
2497.6	7.5°	2489.0	2464.3	2364.3	2201.4	2012.6	1844.8	1674.5	1542.5	1458.6	1416.6
2519.8	10°	2511.2	2461.8	2290.3	2021.3	1732.5	1478.3	1248.8	1089.6	1000.8	958.8
2545.7	12.5°	2532.1	2460.6	2194.0	1807.8	1416.6	1105.7	892.2	813.2	788.5	779.9
2587.7	15°	2571.6	2464.3	2073.1	1563.5	1102.0	835.4	757.7	756.4	761.4	758.9
2651.8	17.5°	2625.9	2468.0	1936.1	1304.3	850.2	736.7	733.0	744.1	751.5	747.8
2732.0	20°	2696.3	2482.8	1790.5	1047.7	730.5	712.0	720.6	730.5	736.7	730.5
2839.4	22.5°	2795.0	2508.7	1631.3	841.6	692.3	697.2	704.6	715.7	721.9	713.2
2976.4	25°	2915.9	2549.4	1474.6	731.8	673.8	679.9	691.0	703.4	710.8	702.1
3149.1	27.5°	3072.6	2614.8	1330.2	707.1	655.2	658.9	675.0	693.5	703.4	692.3
3394.7	30°	3299.7	2722.2	1205.6	718.2	644.1	635.5	657.7	683.6	694.7	684.9
3729.1	32.5°	3600.8	2874.0	1129.1	735.5	639.2	608.4	629.3	662.7	681.2	675.0
4165.9	35°	3995.6	3104.7	1099.5	755.2	635.5	580.0	594.8	630.6	662.7	668.8
4716.3	37.5°	4474.4	3425.5	1108.1	763.8	624.4	556.5	563.9	594.8	636.7	656.5
5335.8	40°	5018.6	3799.4	1157.5	755.2	612.1	536.8	538.0	561.5	598.5	628.1
6002.1	42.5°	5580.1	4236.3	1248.8	723.1	601.0	519.5	515.8	531.8	556.5	577.5
6667.2	45°	6114.4	4685.4	1338.9	678.7	587.4	502.2	493.6	499.8	504.7	513.3
7315.1	47.5°	6580.9	5001.3	1313.0	638.0	568.9	482.5	467.7	465.2	450.4	449.2
7893.8	50°	6902.9	5070.5	1166.1	597.2	541.7	460.3	436.8	422.0	396.1	383.8
8326.9	52.5°	7005.3	4797.7	952.6	556.5	497.3	430.7	397.3	373.9	341.8	330.7
8576.2	55°	6869.6	4263.4	761.4	507.2	435.6	391.2	354.2	323.3	297.4	283.8
8603.4	57.5°	6537.7	3583.5	602.2	449.2	370.2	346.8	309.7	278.9	256.7	243.1
8302.3	60°	5987.3	2845.6	476.3	380.1	315.9	298.6	260.4	240.6	220.9	204.8
7524.9	62.5°	5151.9	2031.1	373.9	301.1	264.1	244.3	222.1	207.3	183.9	161.7
6126.7	65°	4020.3	1242.6	288.8	220.9	212.2	202.4	188.8	175.2	146.8	124.6
3996.9	67.5°	2535.8	588.6	206.1	166.6	167.8	162.9	156.7	145.6	124.6	104.9
1790.5	70°	1116.8	285.1	135.7	127.1	124.6	124.6	129.6	125.9	106.1	87.6
621.9	72.5°	380.1	153.0	101.2	96.3	90.1	88.8	108.6	104.9	85.1	67.9
309.7	75°	198.7	102.4	74.0	69.1	54.3	65.4	86.4	81.4	60.5	44.4
204.8	77.5°	129.6	72.8	50.6	44.4	30.8	43.2	64.2	56.8	35.8	22.2
134.5	80°	81.4	48.1	29.6	21.0	14.8	23.4	34.6	24.7	13.6	4.9
79.0	82.5°	43.2	24.7	11.1	7.4	6.2	7.4	8.6	6.2	2.5	0.0
40.7	85°	17.3	8.6	3.7	2.5	1.2	0.0	2.5	1.2	0.0	0.0
7.4	87.5°	6.2	1.2	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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2440.8
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