

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: P852646

Luminaire Tested: **GLAN-SB5B-840-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852646  
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-840-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 4000K, 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: 19153 lumens  
Efficiency: N/A  
Efficacy: 104.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4

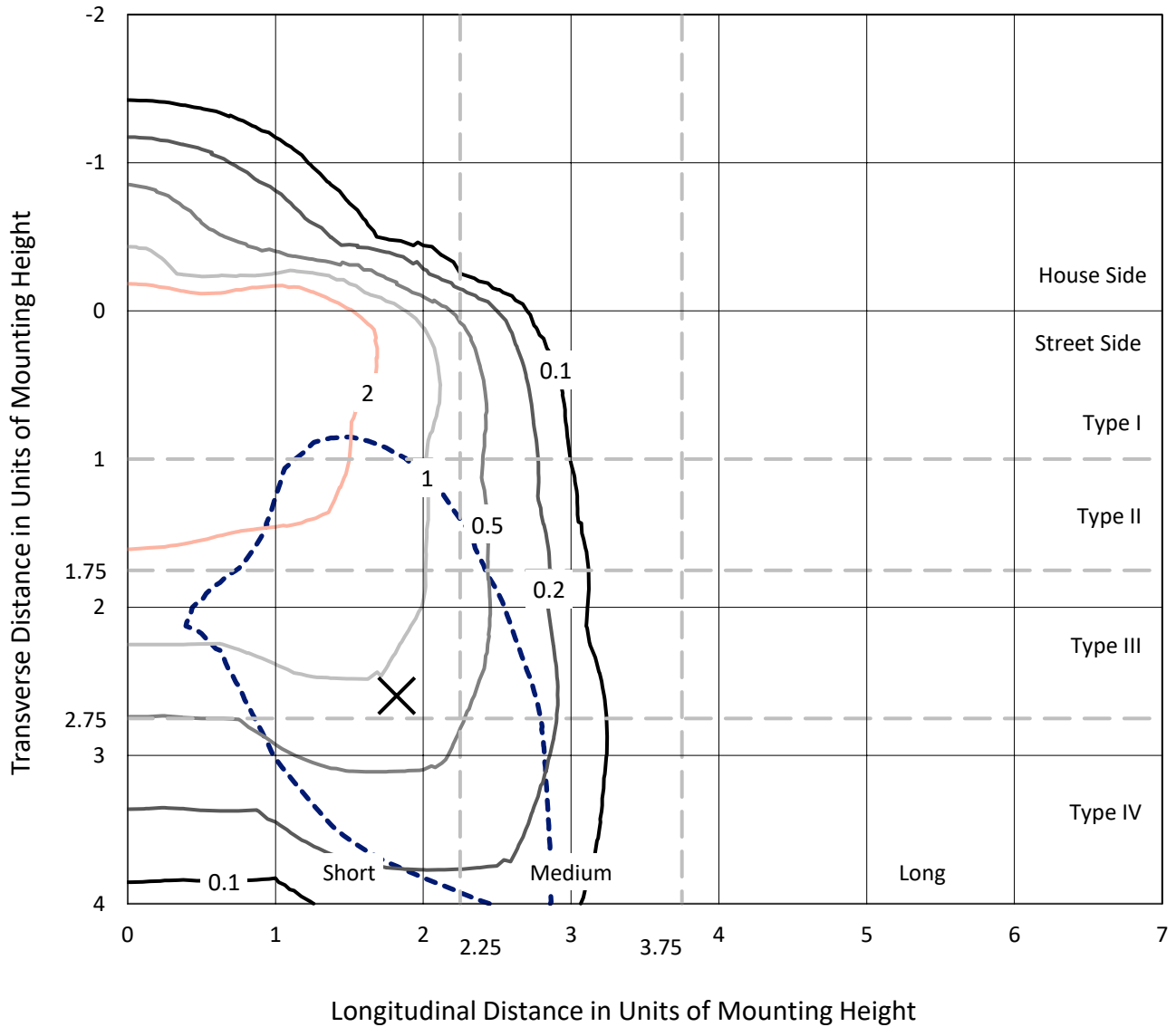
Input Watts (W): 182.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

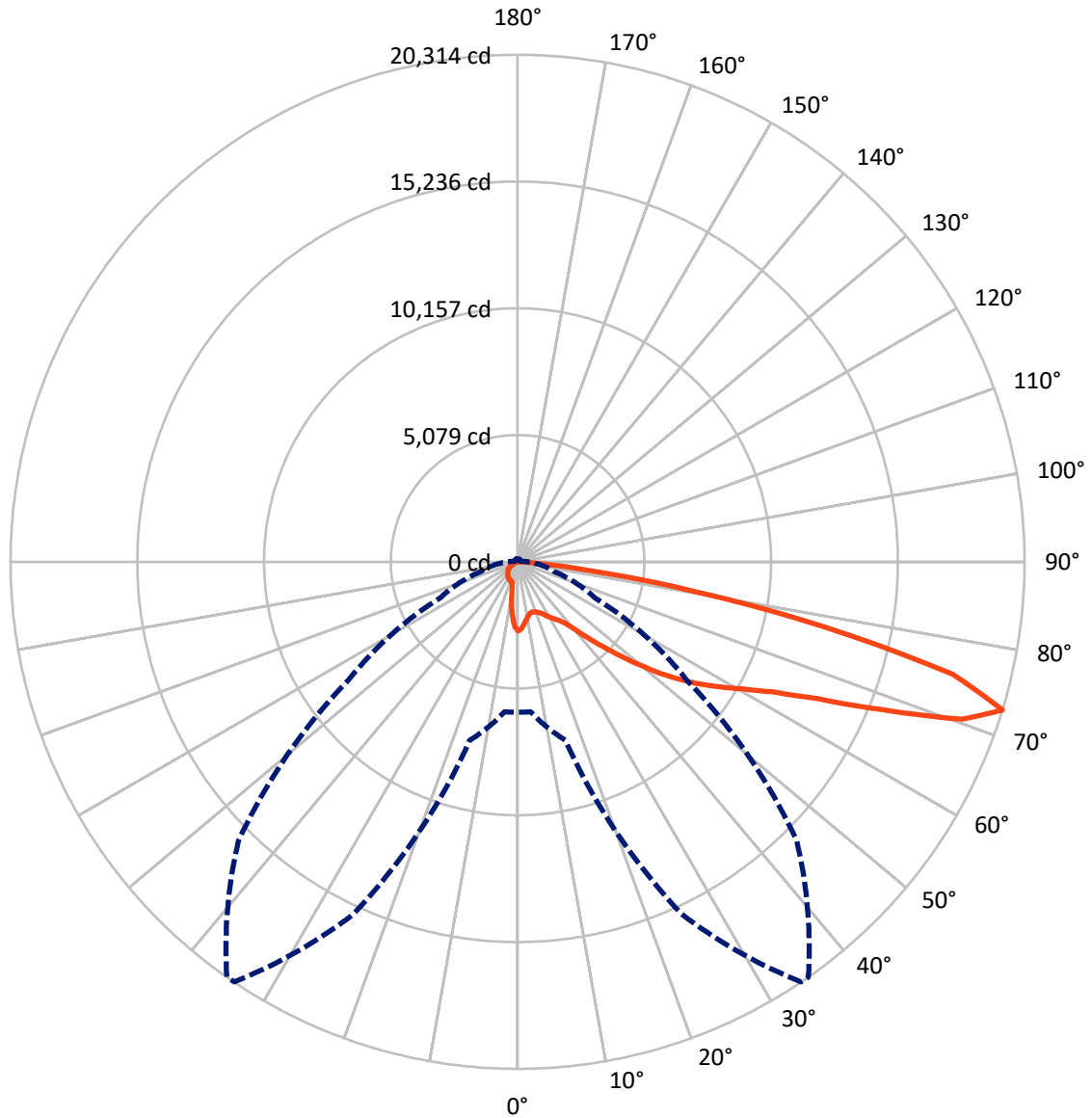
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 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	2155.6	0.0	2155.6
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	16997.4	0.0	16997.4
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	19153.0	0.0	19153.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	228.1	1.2
10°-20°	533.6	2.8
20°-30°	866.9	4.5
30°-40°	1446.3	7.6
40°-50°	2736.5	14.3
50°-60°	4348.3	22.7
60°-70°	5379.2	28.1
70°-80°	3343.7	17.5
80°-90°	270.2	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°	19153.0	100.0
0°-180°	19153.0	100.0

**Coefficient of Utilization**



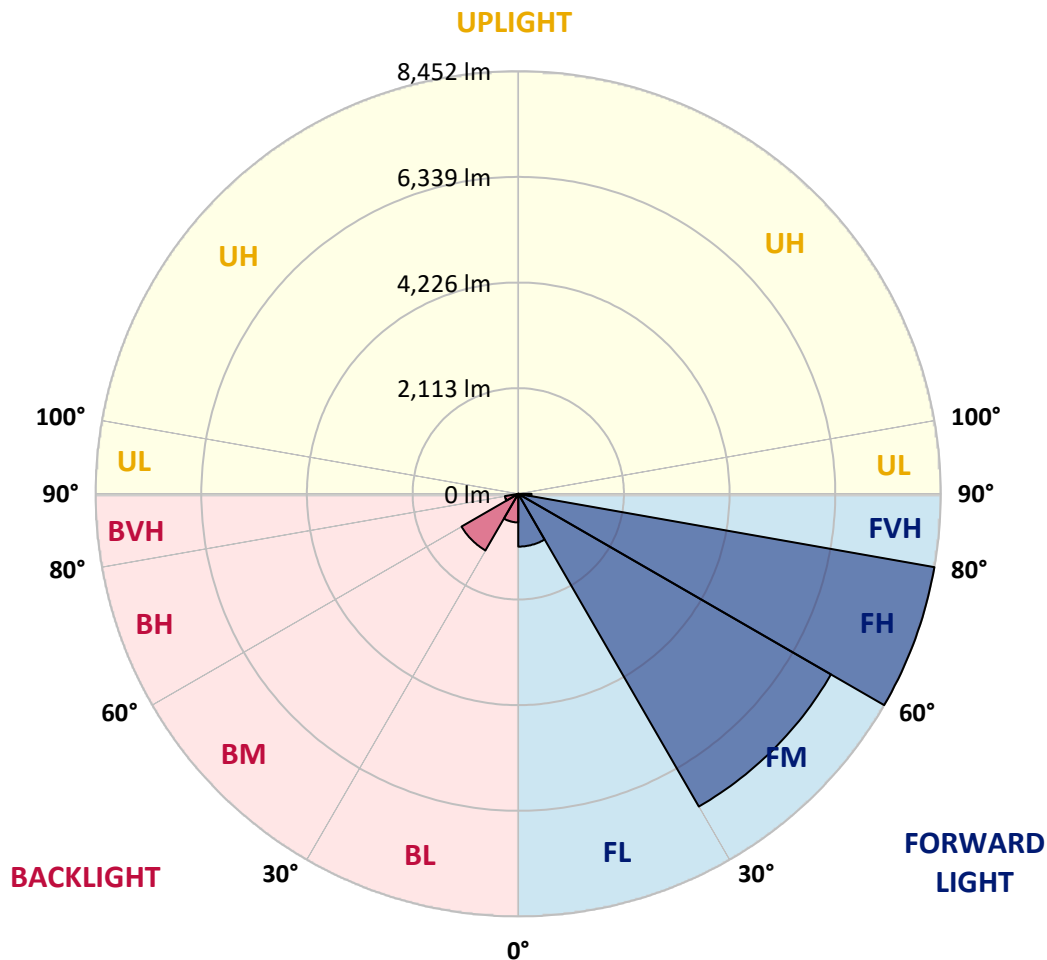
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1055.8	5.5			
FM (30°-60°)	7222.6	37.7			
FH (60°-80°)	8452.5	44.1			G4/12000
FVH (80°-90°)	266.6	1.4			G3/500
BL (0°-30°)	572.8	3.0	B2/1000		
BM (30°-60°)	1308.6	6.8	B2/2500		
BH (60°-80°)	270.5	1.4	B1/500		G1/500
BVH (80°-90°)	3.7	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°	2775.9	2775.9	2775.9	2775.9	2775.9	2775.9	2775.9	2775.9	2775.9	2775.9
2.5°	2652.4	2674.9	2679.1	2686.1	2686.1	2694.5	2708.5	2728.2	2760.5	2777.3
5°	2444.7	2461.6	2482.6	2499.4	2531.7	2535.9	2590.7	2644.0	2718.4	2774.5
7.5°	2235.6	2255.3	2283.3	2324.0	2366.1	2378.8	2461.6	2551.4	2669.3	2774.5
10°	2088.2	2089.7	2114.9	2155.6	2223.0	2238.4	2339.5	2467.2	2614.5	2757.7
12.5°	2005.4	2015.3	2026.5	2057.4	2121.9	2131.8	2239.8	2390.0	2559.8	2747.8
15°	2005.4	2012.5	2019.5	2034.9	2086.8	2095.3	2190.7	2340.9	2531.7	2752.1
17.5°	2026.5	2037.7	2032.1	2050.4	2105.1	2110.7	2194.9	2326.8	2530.3	2778.7
20°	2077.0	2085.4	2074.2	2085.4	2140.2	2151.4	2238.4	2353.5	2554.2	2825.0
22.5°	2157.0	2161.2	2134.6	2143.0	2199.1	2213.2	2314.2	2429.3	2611.7	2899.4
25°	2258.1	2266.5	2225.8	2235.6	2288.9	2305.8	2422.3	2542.9	2702.9	3001.9
27.5°	2374.5	2378.8	2343.7	2342.3	2411.0	2434.9	2552.8	2683.3	2825.0	3131.0
30°	2507.9	2520.5	2486.8	2481.2	2568.2	2587.9	2704.3	2855.9	3004.7	3324.6
32.5°	2613.1	2622.9	2603.3	2617.3	2705.7	2721.2	2888.2	3100.1	3286.7	3599.7
35°	2764.7	2770.3	2725.4	2750.7	2851.7	2891.0	3139.4	3442.5	3641.8	3944.9
37.5°	3313.4	3313.4	3122.5	2997.6	3094.5	3129.6	3483.2	3873.4	4079.7	4408.1
40°	4072.6	4060.0	3780.7	3525.3	3512.7	3581.5	3973.0	4416.5	4645.2	4963.8
42.5°	4882.4	4862.8	4482.4	4229.8	4187.7	4211.6	4538.6	5085.9	5318.9	5641.6
45°	5600.9	5595.3	5247.3	4907.7	4831.9	4907.7	5244.5	5869.0	6036.0	6375.6
47.5°	6203.0	6203.0	5949.0	5727.2	5688.0	5732.9	6200.2	6737.7	6722.3	7157.3
50°	6896.3	6890.7	6649.3	6553.8	6594.5	6657.7	7300.5	7652.7	7432.4	7925.0
52.5°	7381.8	7415.5	7332.7	7317.3	7525.0	7634.5	8417.6	8548.1	8068.1	8653.3
55°	7766.4	7805.7	7901.1	8009.2	8409.1	8552.3	9499.6	9397.1	8600.0	9284.8
57.5°	8310.9	8254.8	8402.1	8615.4	9262.4	9435.0	10547.9	10198.5	9028.0	9797.1
60°	8971.9	8980.3	9005.6	9275.0	10114.3	10336.0	11580.8	10956.3	9303.1	10111.4
62.5°	9766.2	9778.8	9830.8	10244.8	11258.0	11467.1	12681.1	11576.6	9429.4	10023.0
65°	9711.5	9764.8	10344.4	11760.4	12996.8	13203.1	13965.2	12011.6	9238.5	9214.7
67.5°	8847.0	8934.0	9903.7	13570.8	15618.4	15848.5	15517.3	12097.2	8414.7	7165.7
70°	7713.0	7743.9	8910.1	15198.7	18653.9	18886.9	16906.7	11155.6	6385.4	3996.9
72.5°	6023.4	6030.4	7398.7	15576.3	20301.5	20314.1	15816.2	8281.4	3434.1	1535.3
75°	4302.8	4260.7	4955.4	12631.9	17861.0	18004.1	11857.3	3884.6	1312.2	725.6
77.5°	2307.2	2353.5	2804.0	7491.3	12338.6	12582.8	6469.6	1119.9	668.0	494.0
80°	712.9	752.2	1149.4	3429.9	6988.9	7136.3	2398.4	498.2	465.9	352.3
82.5°	224.5	233.0	536.1	1441.3	2900.8	2968.2	694.7	282.1	318.6	233.0
85°	64.6	66.0	238.6	537.5	717.1	731.2	195.1	109.5	182.4	144.5
87.5°	7.0	22.5	89.8	89.8	63.2	61.7	21.1	23.9	51.9	18.2
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°
2775.9	0°	2775.9	2775.9	2775.9	2775.9	2775.9	2775.9	2775.9	2775.9	2775.9	2775.9
2788.5	2.5°	2781.5	2782.9	2764.7	2733.8	2700.1	2672.1	2637.0	2608.9	2589.3	2583.6
2813.8	5°	2801.2	2791.3	2739.4	2645.4	2533.1	2436.3	2328.2	2242.6	2186.5	2162.6
2840.5	7.5°	2830.6	2802.6	2688.9	2503.7	2288.9	2098.1	1904.4	1754.2	1658.8	1611.1
2865.7	10°	2855.9	2799.8	2604.7	2298.8	1970.4	1681.3	1420.2	1239.2	1138.2	1090.4
2895.2	12.5°	2879.8	2798.4	2495.2	2056.0	1611.1	1257.4	1014.7	924.8	896.8	886.9
2942.9	15°	2924.7	2802.6	2357.7	1778.1	1253.2	950.1	861.7	860.3	865.9	863.1
3015.9	17.5°	2986.4	2806.8	2201.9	1483.4	966.9	837.8	833.6	846.2	854.7	850.5
3107.1	20°	3066.4	2823.6	2036.3	1191.5	830.8	809.8	819.6	830.8	837.8	830.8
3229.2	22.5°	3178.7	2853.1	1855.3	957.1	787.3	792.9	801.3	814.0	821.0	811.2
3385.0	25°	3316.2	2899.4	1677.1	832.2	766.3	773.3	785.9	799.9	808.4	798.5
3581.5	27.5°	3494.4	2973.8	1512.9	804.1	745.2	749.4	767.7	788.7	799.9	787.3
3860.7	30°	3752.7	3095.9	1371.1	816.8	732.6	722.7	748.0	777.5	790.1	778.9
4241.1	32.5°	4095.1	3268.5	1284.1	836.4	727.0	691.9	715.7	753.6	774.7	767.7
4737.9	35°	4544.2	3530.9	1250.4	858.9	722.7	659.6	676.4	717.1	753.6	760.6
5363.8	37.5°	5088.7	3895.8	1260.2	868.7	710.1	632.9	641.4	676.4	724.2	746.6
6068.3	40°	5707.6	4321.0	1316.4	858.9	696.1	610.5	611.9	638.5	680.6	714.3
6826.1	42.5°	6346.1	4817.8	1420.2	822.4	683.5	590.8	586.6	604.9	632.9	656.8
7582.5	45°	6953.8	5328.7	1522.7	771.9	668.0	571.2	561.4	568.4	574.0	583.8
8319.3	47.5°	7484.3	5688.0	1493.2	725.6	647.0	548.7	531.9	529.1	512.2	510.8
8977.5	50°	7850.6	5766.5	1326.2	679.2	616.1	523.5	496.8	480.0	450.5	436.5
9470.1	52.5°	7967.1	5456.4	1083.4	632.9	565.6	489.8	451.9	425.2	388.7	376.1
9753.6	55°	7812.7	4848.7	865.9	576.8	495.4	444.9	402.8	367.7	338.2	322.8
9784.5	57.5°	7435.2	4075.5	684.9	510.8	421.0	394.4	352.3	317.2	291.9	276.5
9442.0	60°	6809.3	3236.2	541.7	432.2	359.3	339.6	296.1	273.7	251.2	233.0
8557.9	62.5°	5859.2	2310.0	425.2	342.4	300.3	277.9	252.6	235.8	209.1	183.8
6967.8	65°	4572.3	1413.2	328.4	251.2	241.4	230.2	214.7	199.3	167.0	141.7
4545.6	67.5°	2884.0	669.4	234.4	189.5	190.9	185.2	178.2	165.6	141.7	119.3
2036.3	70°	1270.1	324.2	154.4	144.5	141.7	141.7	147.4	143.1	120.7	99.6
707.3	72.5°	432.2	174.0	115.1	109.5	102.4	101.0	123.5	119.3	96.8	77.2
352.3	75°	225.9	116.5	84.2	78.6	61.7	74.4	98.2	92.6	68.8	50.5
233.0	77.5°	147.4	82.8	57.5	50.5	35.1	49.1	73.0	64.6	40.7	25.3
153.0	80°	92.6	54.7	33.7	23.9	16.8	26.7	39.3	28.1	15.4	5.6
89.8	82.5°	49.1	28.1	12.6	8.4	7.0	8.4	9.8	7.0	2.8	0.0
46.3	85°	19.6	9.8	4.2	2.8	1.4	0.0	2.8	1.4	0.0	0.0
8.4	87.5°	7.0	1.4	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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