

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: P848585

Luminaire Tested: **GLAN-SB5B-722-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848585
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5B-722-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16243 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

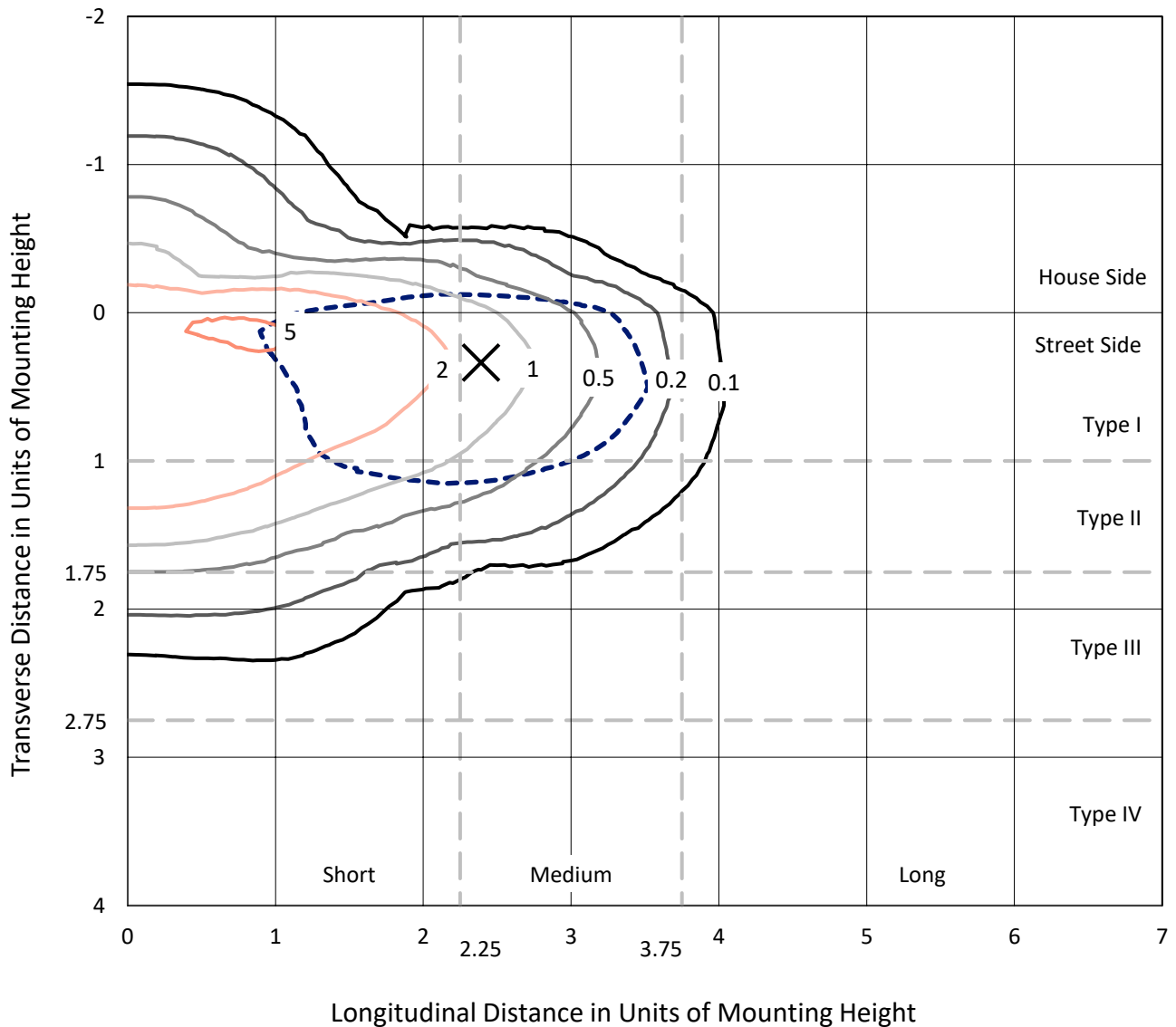
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

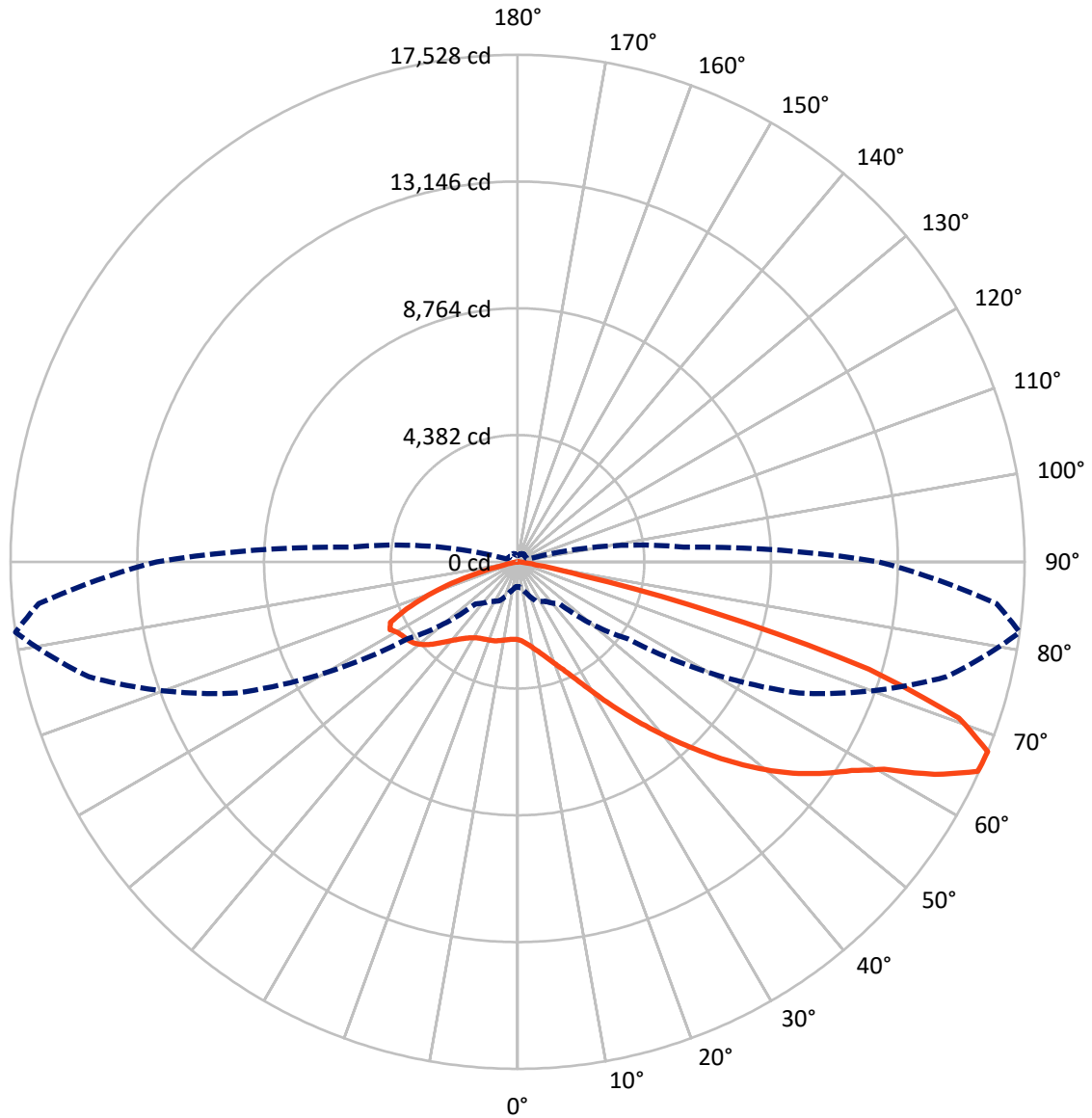
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2942.3	0.0	2942.3
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	13300.7	0.0	13300.7
	% Fixture	81.9	0.0	81.9
Total	Lumens	16243.0	0.0	16243.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.7	1.5
10°-20°	623.0	3.8
20°-30°	997.8	6.1
30°-40°	1764.5	10.9
40°-50°	3091.5	19.0
50°-60°	4123.2	25.4
60°-70°	3838.5	23.6
70°-80°	1473.2	9.1
80°-90°	91.5	0.6
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°	16243.0	100.0
0°-180°	16243.0	100.0

Coefficient of Utilization

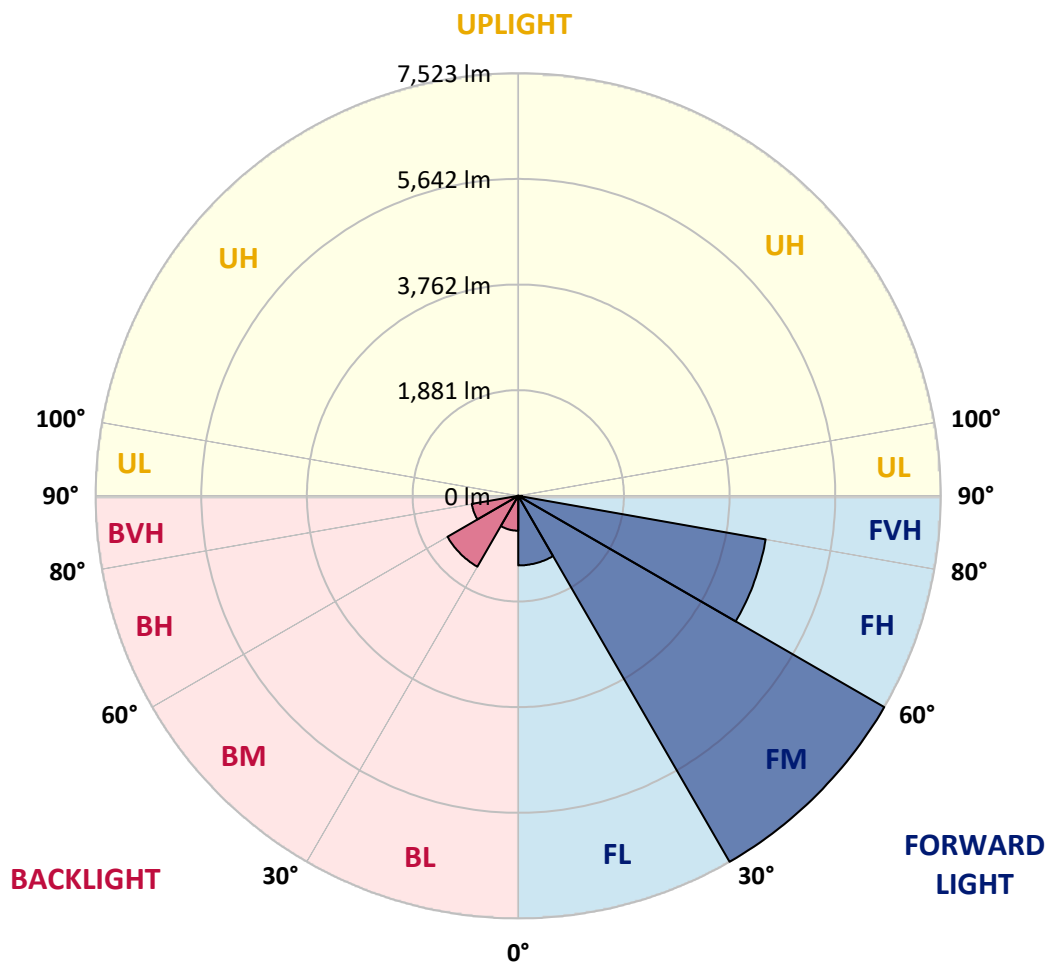


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1239.2	7.6			
FM (30°-60°)	7523.1	46.3			
FH (60°-80°)	4472.0	27.5			G2/5000
FVH (80°-90°)	66.5	0.4			G1/100
BL (0°-30°)	621.4	3.8	B2/1000		
BM (30°-60°)	1456.1	9.0	B2/2500		
BH (60°-80°)	839.8	5.2	B2/1000		G2/1000
BVH (80°-90°)	25.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2690.9	2690.9	2690.9	2690.9	2690.9	2690.9	2690.9	2690.9	2690.9	2690.9
2.5°	2844.1	2860.5	2851.1	2846.5	2838.3	2826.6	2817.2	2788.0	2757.6	2737.7
5°	2901.4	2917.8	2916.6	2921.3	2927.1	2930.7	2928.3	2895.6	2852.3	2818.4
7.5°	2852.3	2871.0	2886.2	2909.6	2950.5	2993.8	3014.9	3007.8	2963.4	2916.6
10°	2713.1	2733.0	2769.3	2824.2	2910.8	3004.3	3082.7	3118.9	3090.9	3039.4
12.5°	2458.2	2478.1	2549.4	2668.7	2813.7	2976.3	3126.0	3223.0	3230.0	3178.6
15°	2171.7	2191.6	2267.6	2417.3	2638.3	2899.1	3149.3	3332.9	3394.9	3350.5
17.5°	1993.9	2011.5	2068.8	2189.2	2419.6	2744.7	3141.2	3449.9	3591.4	3556.3
20°	1940.1	1955.3	1982.2	2066.4	2258.2	2584.5	3087.4	3559.8	3803.1	3783.2
22.5°	1997.4	2011.5	2019.6	2057.1	2177.5	2479.2	3019.5	3672.1	4048.7	4051.0
25°	2129.6	2143.6	2134.3	2157.6	2210.3	2446.5	2993.8	3804.2	4357.4	4383.1
27.5°	2347.1	2348.3	2326.0	2324.9	2333.1	2495.6	3020.7	3945.7	4746.8	4794.8
30°	2783.3	2765.8	2680.4	2588.0	2545.9	2643.0	3095.5	4113.0	5206.4	5291.8
32.5°	3455.7	3430.0	3273.3	3052.3	2830.1	2880.4	3230.0	4303.6	5706.9	5861.3
35°	4185.5	4178.5	4014.7	3686.1	3297.9	3218.3	3448.7	4553.9	6253.1	6498.7
37.5°	4863.8	4860.3	4766.7	4379.6	3907.1	3689.6	3799.6	4881.3	6837.8	7193.3
40°	5483.6	5494.1	5400.5	5054.4	4578.4	4294.2	4276.7	5285.9	7488.0	7950.0
42.5°	6019.2	6030.9	5936.2	5680.0	5241.5	4963.2	4862.6	5781.8	8123.0	8762.7
45°	6382.9	6455.4	6441.4	6236.7	5922.1	5633.3	5566.6	6403.9	8846.9	9624.6
47.5°	6485.8	6552.5	6657.7	6685.8	6494.0	6209.8	6289.3	7153.6	9579.0	10487.7
50°	6232.0	6294.0	6512.7	6803.9	6937.2	6849.5	6992.2	7957.0	10328.6	11348.4
52.5°	5731.5	5794.6	6070.6	6531.4	7075.2	7351.2	7697.4	8748.7	11054.9	12163.5
55°	5007.6	5074.3	5428.6	5950.2	6812.1	7558.2	8285.6	9539.2	11720.3	12896.7
57.5°	4022.9	4072.0	4440.4	5170.2	6150.2	7352.4	8719.5	10402.3	12347.1	13617.1
60°	2621.9	2665.2	3093.2	3907.1	5053.2	6664.7	8806.0	11364.8	13179.8	14553.9
62.5°	1743.7	1772.9	2026.7	2624.3	3558.7	5344.4	8299.6	12133.1	14400.7	16184.1
65°	1196.4	1225.6	1479.4	1895.7	2299.1	3535.3	6843.6	12031.4	15507.0	17478.7
67.5°	853.7	878.3	1093.4	1486.4	1664.1	2053.6	4639.2	10730.9	15347.9	17527.8
70°	611.6	625.7	803.4	1157.8	1322.7	1233.8	2579.8	8207.2	13438.2	16185.3
72.5°	428.0	432.7	557.8	881.8	1065.4	900.5	1227.9	5471.9	10163.7	12703.8
75°	290.0	295.9	375.4	646.7	854.9	687.6	650.2	2934.2	5966.6	7031.9
77.5°	177.8	180.1	242.1	442.1	639.7	523.9	418.7	1243.1	2308.5	2266.4
80°	100.6	100.6	154.4	274.8	436.2	338.0	293.5	528.6	730.9	642.0
82.5°	56.1	57.3	112.3	170.7	288.9	200.0	161.4	244.4	315.8	279.5
85°	23.4	25.7	69.0	80.7	138.0	99.4	65.5	102.9	116.9	104.1
87.5°	2.3	3.5	21.1	15.2	16.4	19.9	9.4	19.9	16.4	16.4
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°
2690.9	0°	2690.9	2690.9	2690.9	2690.9	2690.9	2690.9	2690.9	2690.9	2690.9	2690.9
2730.7	2.5°	2708.5	2690.9	2646.5	2595.0	2527.2	2494.4	2450.0	2419.6	2393.9	2396.2
2798.5	5°	2761.1	2716.6	2617.2	2493.3	2338.9	2229.0	2112.0	2031.3	1965.9	1951.8
2892.1	7.5°	2833.6	2763.4	2589.2	2365.8	2105.0	1907.4	1730.8	1617.4	1536.7	1510.9
3005.5	10°	2927.1	2825.4	2552.9	2205.6	1830.2	1578.8	1389.3	1300.4	1245.5	1226.8
3138.8	12.5°	3035.9	2896.7	2505.0	2010.3	1547.2	1305.1	1184.7	1140.2	1122.7	1116.8
3302.5	15°	3172.7	2985.6	2432.5	1778.7	1307.5	1137.9	1086.4	1080.6	1082.9	1080.6
3499.0	17.5°	3335.3	3082.7	2314.4	1540.2	1146.1	1052.5	1033.8	1038.5	1044.3	1043.2
3718.9	20°	3513.0	3178.6	2163.5	1328.5	1036.1	991.7	981.2	985.9	990.5	988.2
3972.6	22.5°	3715.4	3281.5	1996.3	1163.6	962.5	935.6	923.9	925.0	925.0	920.4
4294.2	25°	3957.4	3394.9	1820.8	1046.7	906.3	885.3	871.2	866.6	859.5	845.5
4684.8	27.5°	4246.3	3515.4	1652.4	964.8	861.9	842.0	825.6	813.9	796.4	773.0
5153.8	30°	4571.4	3661.6	1509.8	913.3	826.8	806.9	788.2	770.7	744.9	715.7
5692.9	32.5°	4953.8	3818.3	1405.7	879.4	795.2	774.2	752.0	730.9	702.8	673.6
6298.7	35°	5409.9	4007.7	1344.9	856.0	770.7	742.6	718.0	694.7	673.6	647.9
6957.1	37.5°	5904.6	4208.9	1326.2	844.3	754.3	711.0	683.0	666.6	664.3	649.0
7669.3	40°	6446.0	4447.4	1340.2	837.3	736.8	680.6	650.2	646.7	652.6	625.7
8430.6	42.5°	7019.1	4730.4	1363.6	829.1	712.2	650.2	621.0	621.0	616.3	578.9
9235.2	45°	7638.9	5056.7	1387.0	809.3	683.0	619.8	597.6	589.4	569.5	533.3
10044.4	47.5°	8263.4	5388.8	1404.5	773.0	647.9	594.1	574.2	555.5	526.3	493.5
10838.5	50°	8856.3	5687.1	1385.8	719.2	608.1	569.5	548.5	522.7	491.2	469.0
11590.5	52.5°	9386.0	5945.5	1306.3	656.1	566.0	543.8	525.1	498.2	472.5	449.1
12268.7	55°	9846.8	6154.8	1165.9	596.4	528.6	521.6	502.9	469.0	433.9	414.0
12941.2	57.5°	10288.9	6313.9	990.5	547.3	494.7	497.0	469.0	438.5	405.8	384.8
13847.5	60°	10877.1	6526.7	812.8	501.7	458.4	465.4	435.0	412.8	371.9	345.0
15401.7	62.5°	11817.3	6857.7	645.5	445.6	416.3	418.7	405.8	378.9	329.8	298.2
16553.6	65°	12563.5	6736.1	508.7	384.8	368.4	371.9	371.9	342.7	290.0	253.8
16615.6	67.5°	12479.3	5767.8	405.8	325.1	322.8	325.1	333.3	308.7	257.3	228.0
15350.3	70°	11495.7	4587.8	325.1	270.1	280.7	274.8	298.2	281.8	231.6	202.3
11900.4	72.5°	9380.2	3304.9	247.9	223.4	215.2	224.5	269.0	253.8	193.0	160.2
6303.4	75°	5481.2	1763.5	184.8	176.6	155.5	187.1	238.6	216.3	147.4	118.1
1931.9	77.5°	1784.6	615.1	135.7	129.8	115.8	150.9	203.5	182.4	120.5	93.6
566.0	80°	478.3	185.9	92.4	85.4	74.8	112.3	161.4	145.0	86.5	60.8
243.2	82.5°	191.8	78.4	53.8	47.9	40.9	77.2	127.5	116.9	64.3	38.6
76.0	85°	62.0	25.7	19.9	15.2	18.7	47.9	76.0	79.5	45.6	19.9
11.7	87.5°	8.2	3.5	3.5	4.7	3.5	8.2	23.4	22.2	12.9	2.3
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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2690.9
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