

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: P848705

Luminaire Tested: **GLAN-SB5B-927-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848705
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-927-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 2700K, 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: 13376 lumens
Efficiency: N/A
Efficacy: 73.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

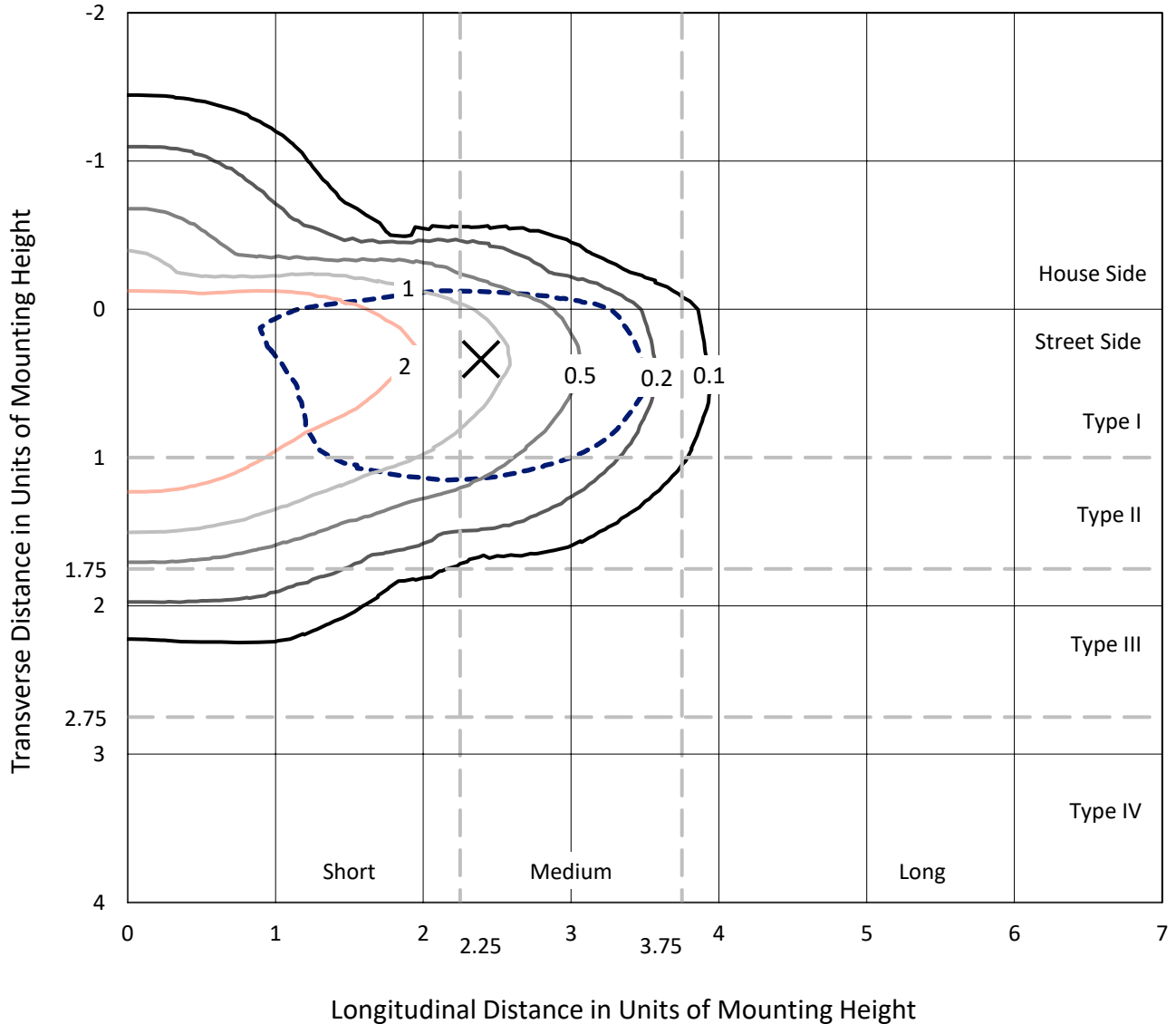
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

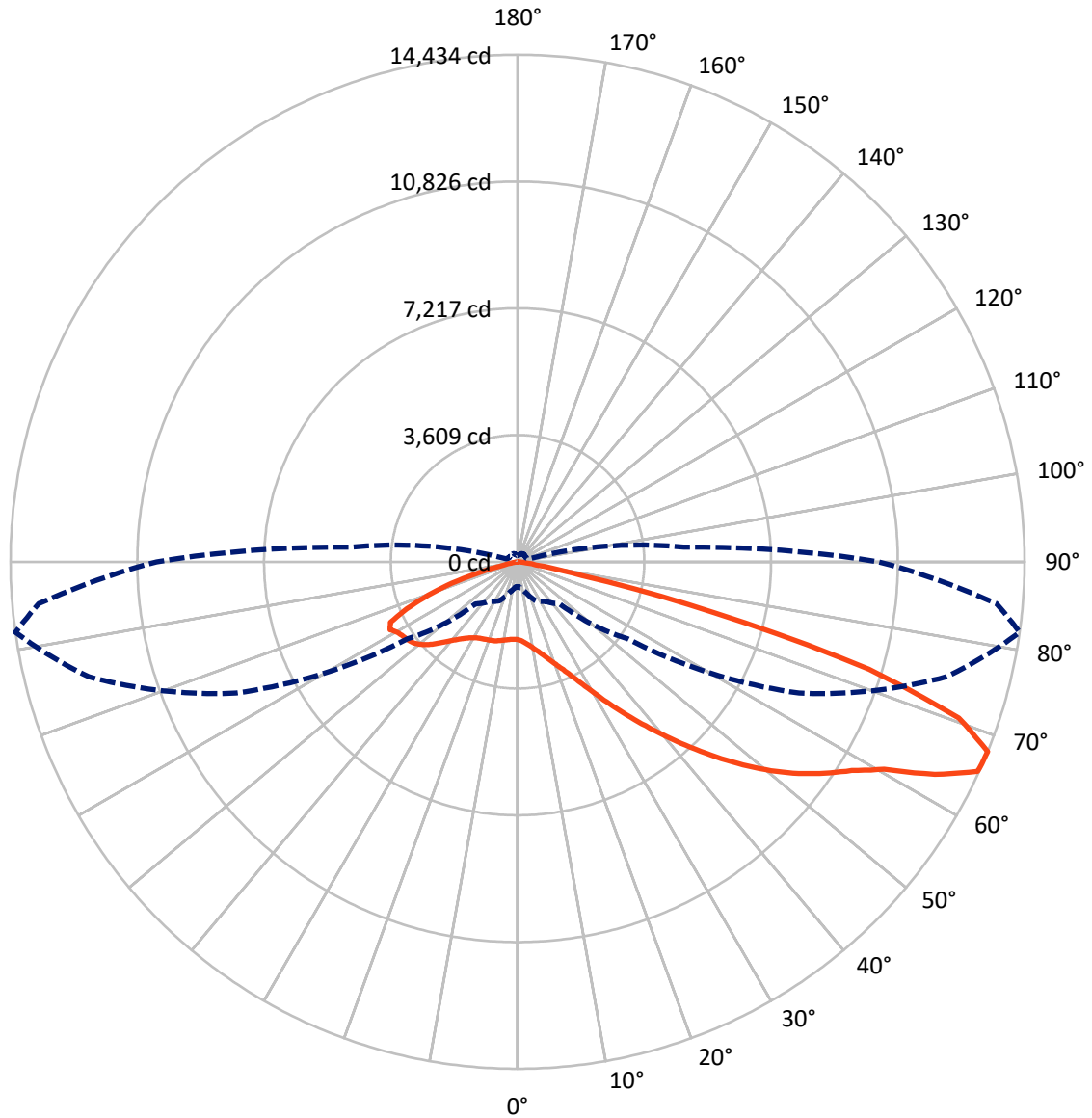
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 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	2423.0	0.0	2423.0
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	10953.1	0.0	10953.1
	% Fixture	81.9	0.0	81.9
Total	Lumens	13376.0	0.0	13376.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.4	1.5
10°-20°	513.0	3.8
20°-30°	821.7	6.1
30°-40°	1453.0	10.9
40°-50°	2545.8	19.0
50°-60°	3395.4	25.4
60°-70°	3161.0	23.6
70°-80°	1213.2	9.1
80°-90°	75.4	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°	13376.0	100.0
0°-180°	13376.0	100.0

Coefficient of Utilization

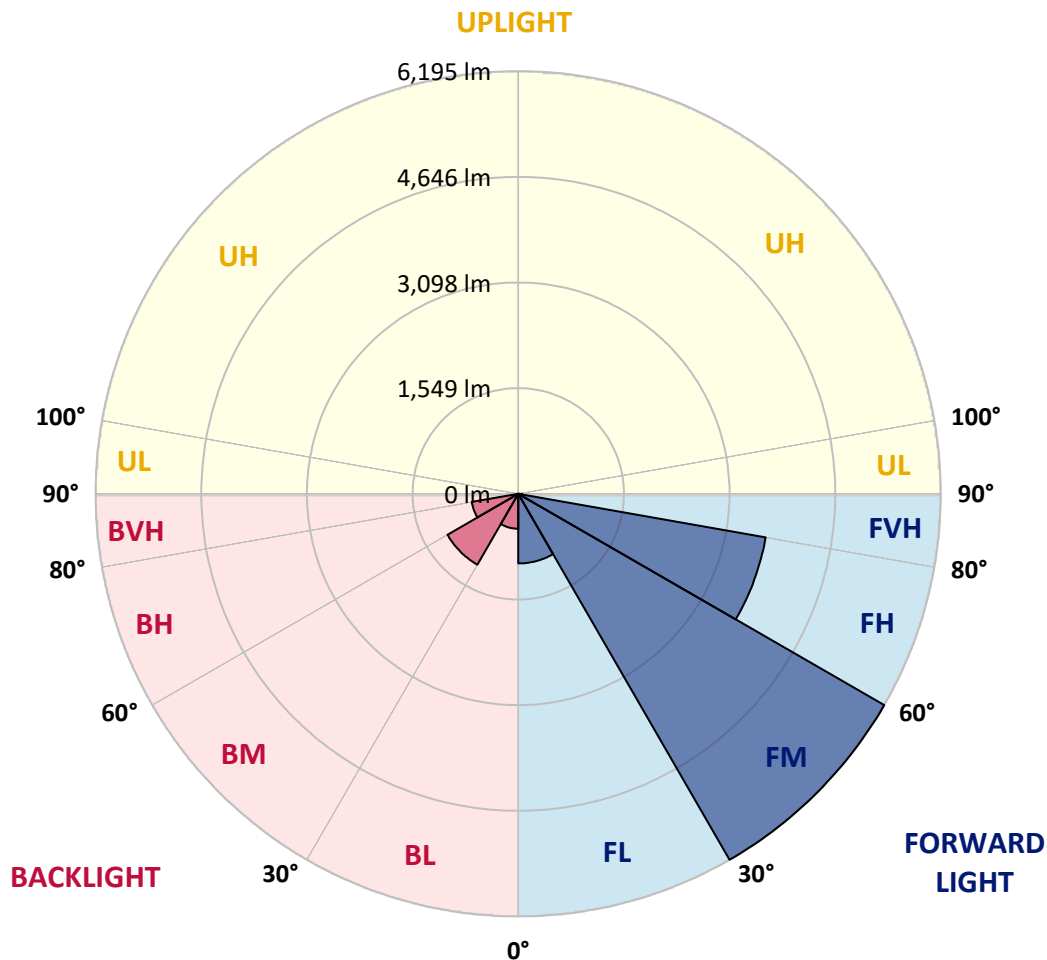


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1020.4	7.6			
FM (30°-60°)	6195.2	46.3			
FH (60°-80°)	3682.6	27.5			G2/5000
FVH (80°-90°)	54.8	0.4			G1/100
BL (0°-30°)	511.7	3.8	B2/1000		
BM (30°-60°)	1199.1	9.0	B2/2500		
BH (60°-80°)	691.6	5.2	B2/1000		G2/1000
BVH (80°-90°)	20.6	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°	2216.0	2216.0	2216.0	2216.0	2216.0	2216.0	2216.0	2216.0	2216.0	2216.0
2.5°	2342.1	2355.6	2347.9	2344.0	2337.3	2327.7	2320.0	2295.9	2270.8	2254.5
5°	2389.3	2402.8	2401.8	2405.7	2410.5	2413.4	2411.4	2384.5	2348.8	2320.9
7.5°	2348.8	2364.3	2376.8	2396.0	2429.7	2465.4	2482.7	2476.9	2440.3	2401.8
10°	2234.2	2250.6	2280.5	2325.7	2397.0	2474.0	2538.6	2568.4	2545.3	2502.9
12.5°	2024.3	2040.7	2099.4	2197.7	2317.1	2450.9	2574.2	2654.1	2659.9	2617.5
15°	1788.4	1804.7	1867.3	1990.6	2172.6	2387.4	2593.5	2744.7	2795.7	2759.1
17.5°	1642.0	1656.4	1703.6	1802.8	1992.5	2260.3	2586.7	2841.0	2957.5	2928.6
20°	1597.7	1610.2	1632.3	1701.7	1859.6	2128.3	2542.4	2931.5	3131.8	3115.4
22.5°	1644.9	1656.4	1663.2	1694.0	1793.2	2041.6	2486.6	3023.9	3334.0	3336.0
25°	1753.7	1765.2	1757.5	1776.8	1820.1	2014.7	2465.4	3132.8	3588.3	3609.5
27.5°	1932.8	1933.8	1915.5	1914.5	1921.3	2055.1	2487.5	3249.3	3909.0	3948.5
30°	2292.0	2277.6	2207.3	2131.2	2096.5	2176.5	2549.2	3387.0	4287.4	4357.7
32.5°	2845.8	2824.6	2695.5	2513.5	2330.6	2372.0	2659.9	3544.0	4699.6	4826.7
35°	3446.7	3440.9	3306.1	3035.5	2715.8	2650.3	2840.0	3750.1	5149.4	5351.6
37.5°	4005.3	4002.4	3925.3	3606.6	3217.5	3038.4	3128.9	4019.7	5630.9	5923.6
40°	4515.7	4524.4	4447.3	4162.3	3770.3	3536.3	3521.8	4352.9	6166.3	6546.7
42.5°	4956.8	4966.4	4888.4	4677.5	4316.3	4087.1	4004.3	4761.3	6689.3	7216.0
45°	5256.3	5316.0	5304.4	5135.9	4876.8	4639.0	4584.1	5273.6	7285.4	7925.8
47.5°	5341.0	5395.9	5482.6	5505.7	5347.8	5113.7	5179.2	5890.9	7888.2	8636.5
50°	5132.0	5183.1	5363.2	5603.0	5712.7	5640.5	5758.0	6552.5	8505.6	9345.3
52.5°	4719.8	4771.9	4999.1	5378.6	5826.4	6053.7	6338.7	7204.5	9103.6	10016.6
55°	4123.7	4178.6	4470.4	4899.9	5609.7	6224.1	6823.1	7855.5	9651.6	10620.4
57.5°	3312.9	3353.3	3656.7	4257.6	5064.6	6054.6	7180.4	8566.2	10167.8	11213.6
60°	2159.1	2194.8	2547.2	3217.5	4161.3	5488.4	7251.7	9358.8	10853.4	11985.0
62.5°	1435.9	1460.0	1668.9	2161.1	2930.5	4401.1	6834.7	9991.5	11858.9	13327.5
65°	985.2	1009.3	1218.2	1561.1	1893.3	2911.3	5635.7	9907.7	12769.9	14393.6
67.5°	703.0	723.2	900.4	1224.0	1370.4	1691.1	3820.4	8836.8	12638.9	14434.0
70°	503.7	515.2	661.6	953.4	1089.2	1016.0	2124.5	6758.6	11066.3	13328.4
72.5°	352.5	356.3	459.4	726.1	877.3	741.5	1011.2	4506.1	8369.8	10461.5
75°	238.8	243.6	309.1	532.6	704.0	566.3	535.4	2416.3	4913.4	5790.7
77.5°	146.4	148.3	199.3	364.0	526.8	431.4	344.8	1023.7	1901.0	1866.4
80°	82.8	82.8	127.1	226.3	359.2	278.3	241.7	435.3	601.9	528.7
82.5°	46.2	47.2	92.5	140.6	237.9	164.7	132.9	201.3	260.0	230.2
85°	19.3	21.2	56.8	66.4	113.6	81.9	53.9	84.7	96.3	85.7
87.5°	1.9	2.9	17.3	12.5	13.5	16.4	7.7	16.4	13.5	13.5
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°
2216.0	0°	2216.0	2216.0	2216.0	2216.0	2216.0	2216.0	2216.0	2216.0	2216.0	2216.0
2248.7	2.5°	2230.4	2216.0	2179.4	2137.0	2081.1	2054.2	2017.6	1992.5	1971.3	1973.3
2304.6	5°	2273.7	2237.1	2155.3	2053.2	1926.1	1835.6	1739.2	1672.8	1618.9	1607.3
2381.6	7.5°	2333.4	2275.7	2132.2	1948.2	1733.5	1570.7	1425.3	1331.9	1265.4	1244.2
2475.0	10°	2410.5	2326.7	2102.3	1816.3	1507.2	1300.1	1144.1	1070.9	1025.6	1010.2
2584.8	12.5°	2500.0	2385.4	2062.8	1655.5	1274.1	1074.8	975.6	939.0	924.5	919.7
2719.6	15°	2612.7	2458.6	2003.1	1464.8	1076.7	937.0	894.7	889.8	891.8	889.8
2881.4	17.5°	2746.6	2538.6	1905.9	1268.3	943.8	866.7	851.3	855.2	860.0	859.0
3062.5	20°	2893.0	2617.5	1781.6	1094.0	853.3	816.7	808.0	811.8	815.7	813.8
3271.4	22.5°	3059.6	2702.3	1643.9	958.2	792.6	770.4	760.8	761.8	761.8	757.9
3536.3	25°	3258.9	2795.7	1499.5	861.9	746.4	729.0	717.5	713.6	707.8	696.3
3857.9	27.5°	3496.8	2894.9	1360.8	794.5	709.8	693.4	679.9	670.3	655.8	636.6
4244.1	30°	3764.5	3015.3	1243.3	752.1	680.9	664.5	649.1	634.6	613.5	589.4
4688.1	32.5°	4079.4	3144.3	1157.6	724.2	654.9	637.5	619.2	601.9	578.8	554.7
5186.9	35°	4455.0	3300.3	1107.5	704.9	634.6	611.5	591.3	572.0	554.7	533.5
5729.1	37.5°	4862.4	3466.0	1092.1	695.3	621.2	585.5	562.4	548.9	547.0	534.5
6315.6	40°	5308.3	3662.4	1103.6	689.5	606.7	560.5	535.4	532.6	537.4	515.2
6942.5	42.5°	5780.2	3895.5	1122.9	682.8	586.5	535.4	511.4	511.4	507.5	476.7
7605.1	45°	6290.6	4164.2	1142.2	666.4	562.4	510.4	492.1	485.4	469.0	439.1
8271.5	47.5°	6804.8	4437.7	1156.6	636.6	533.5	489.2	472.9	457.4	433.4	406.4
8925.4	50°	7293.1	4683.3	1141.2	592.3	500.8	469.0	451.7	430.5	404.5	386.2
9544.7	52.5°	7729.3	4896.1	1075.7	540.3	466.1	447.8	432.4	410.3	389.1	369.8
10103.2	55°	8108.8	5068.5	960.1	491.1	435.3	429.5	414.1	386.2	357.3	340.9
10657.0	57.5°	8472.8	5199.4	815.7	450.7	407.4	409.3	386.2	361.1	334.2	316.8
11403.3	60°	8957.2	5374.7	669.3	413.1	377.5	383.3	358.3	340.0	306.2	284.1
12683.2	62.5°	9731.5	5647.3	531.6	366.9	342.8	344.8	334.2	312.0	271.6	245.6
13631.8	65°	10345.9	5547.1	418.9	316.8	303.4	306.2	306.2	282.2	238.8	209.0
13682.8	67.5°	10276.6	4749.7	334.2	267.7	265.8	267.7	274.5	254.2	211.9	187.8
12640.8	70°	9466.7	3778.0	267.7	222.5	231.1	226.3	245.6	232.1	190.7	166.6
9799.9	72.5°	7724.5	2721.5	204.2	183.9	177.2	184.9	221.5	209.0	158.9	131.9
5190.8	75°	4513.8	1452.3	152.2	145.4	128.1	154.1	196.5	178.2	121.3	97.3
1590.9	77.5°	1469.6	506.6	111.7	106.9	95.3	124.2	167.6	150.2	99.2	77.0
466.1	80°	393.9	153.1	76.1	70.3	61.6	92.5	132.9	119.4	71.3	50.1
200.3	82.5°	157.9	64.5	44.3	39.5	33.7	63.6	105.0	96.3	53.0	31.8
62.6	85°	51.0	21.2	16.4	12.5	15.4	39.5	62.6	65.5	37.6	16.4
9.6	87.5°	6.7	2.9	2.9	3.9	2.9	6.7	19.3	18.3	10.6	1.9
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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2216.0
1954.0
1581.3
1223.1
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812.8
756.0
694.4
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587.5
555.7
531.6
533.5
516.2
476.7
438.2
405.4
383.3
367.9
339.0
314.9
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