

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: P848195

Luminaire Tested: **GLAN-SB4C-927-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848195
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-SB4C-927-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 2700K, 615mA 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: 14114 lumens
Efficiency: N/A
Efficacy: 70.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

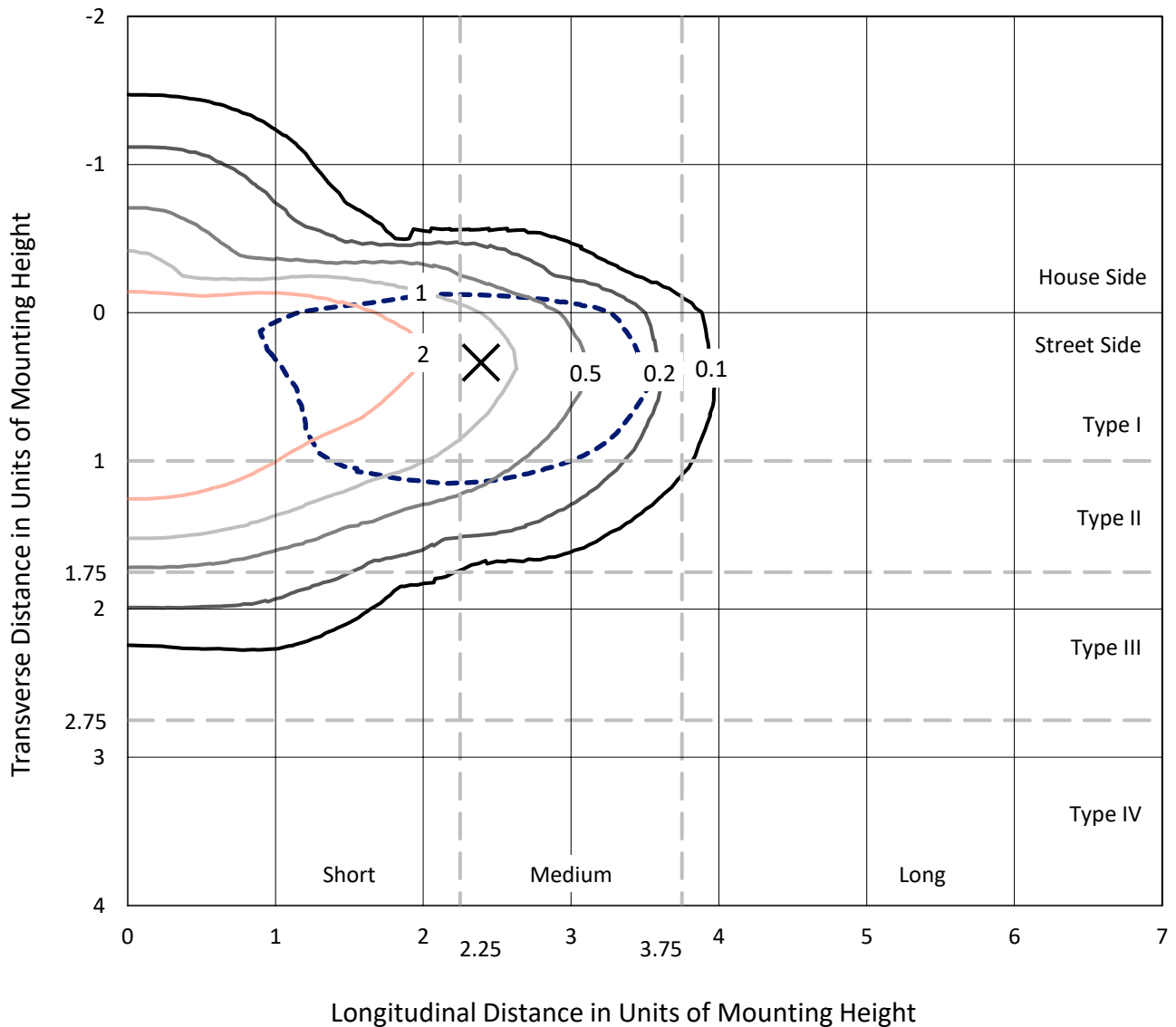
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

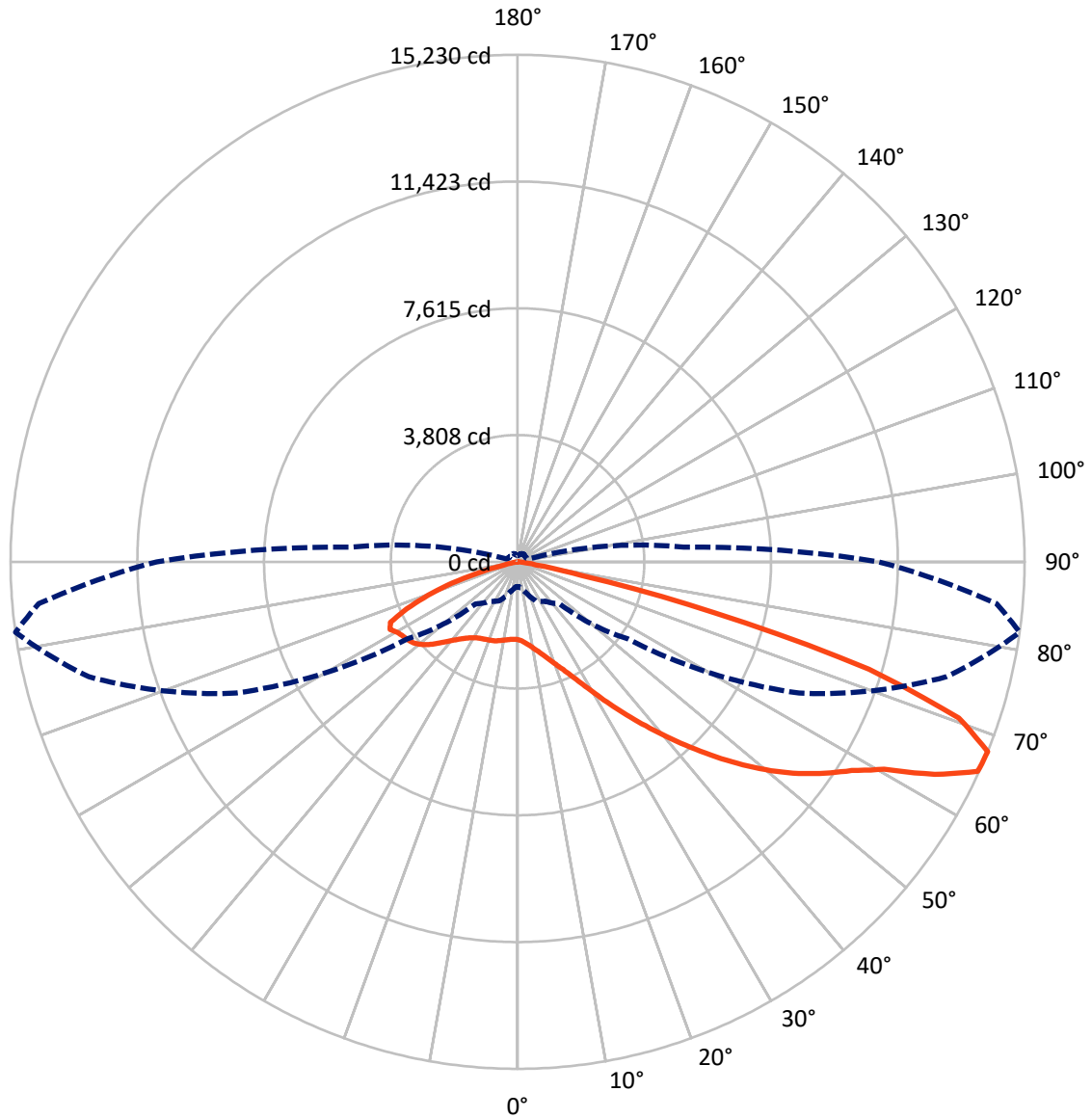
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 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	2556.6	0.0	2556.6
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	11557.4	0.0	11557.4
	% Fixture	81.9	0.0	81.9
Total	Lumens	14114.0	0.0	14114.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.3	1.5
10°-20°	541.3	3.8
20°-30°	867.0	6.1
30°-40°	1533.2	10.9
40°-50°	2686.3	19.0
50°-60°	3582.8	25.4
60°-70°	3335.4	23.6
70°-80°	1280.1	9.1
80°-90°	79.5	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°	14114.0	100.0
0°-180°	14114.0	100.0

Coefficient of Utilization

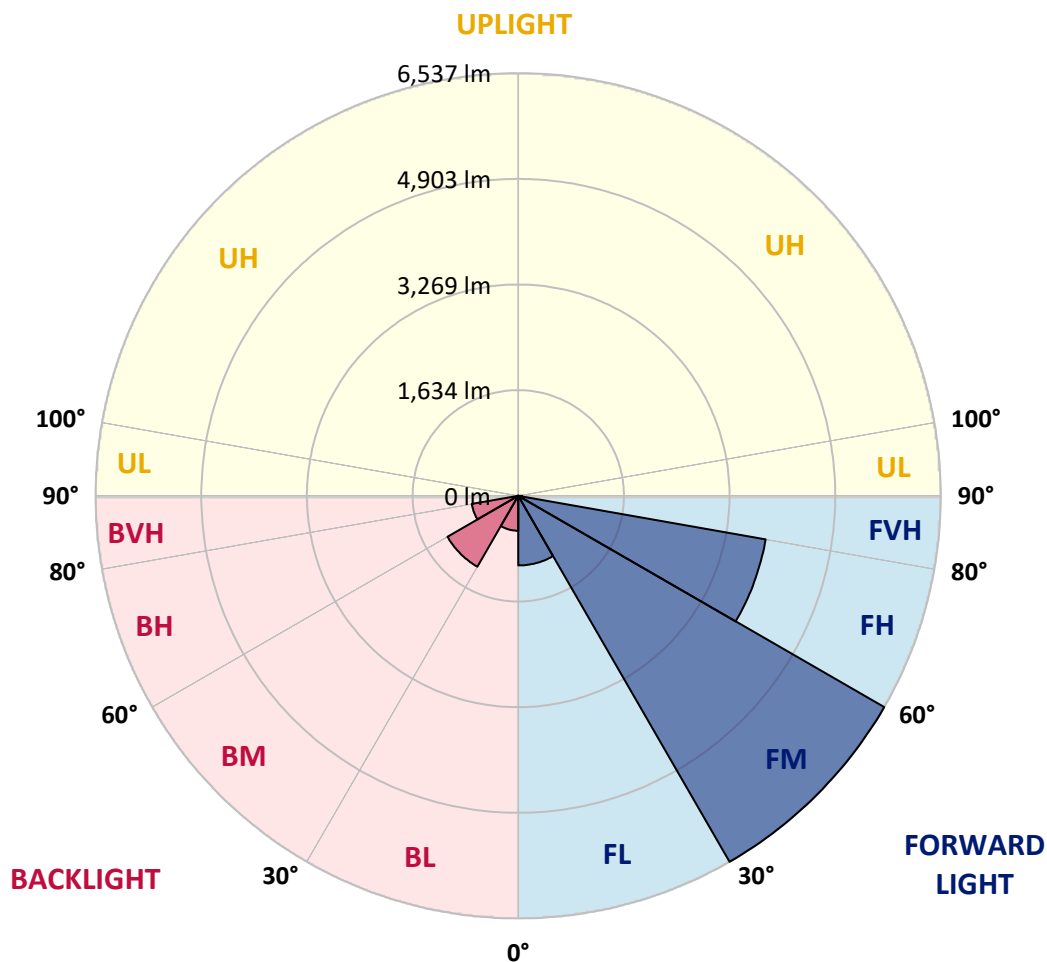


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1076.7	7.6			
FM (30°-60°)	6537.0	46.3			
FH (60°-80°)	3885.8	27.5			G2/5000
FVH (80°-90°)	57.8	0.4			G1/100
BL (0°-30°)	540.0	3.8	B2/1000		
BM (30°-60°)	1265.3	9.0	B2/2500		
BH (60°-80°)	729.7	5.2	B2/1000		G2/1000
BVH (80°-90°)	21.7	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°	2338.2	2338.2	2338.2	2338.2	2338.2	2338.2	2338.2	2338.2	2338.2	2338.2
2.5°	2471.3	2485.6	2477.4	2473.4	2466.2	2456.1	2448.0	2422.6	2396.1	2378.9
5°	2521.1	2535.3	2534.3	2538.4	2543.5	2546.5	2544.5	2516.0	2478.4	2449.0
7.5°	2478.4	2494.7	2507.9	2528.2	2563.8	2601.4	2619.7	2613.6	2575.0	2534.3
10°	2357.5	2374.8	2406.3	2454.1	2529.3	2610.5	2678.6	2710.1	2685.7	2641.0
12.5°	2136.0	2153.3	2215.3	2318.9	2444.9	2586.2	2716.2	2800.6	2806.7	2762.0
15°	1887.0	1904.3	1970.4	2100.4	2292.5	2519.1	2736.6	2896.1	2949.9	2911.3
17.5°	1732.6	1747.8	1797.6	1902.3	2102.5	2385.0	2729.4	2997.7	3120.7	3090.2
20°	1685.8	1699.0	1722.4	1795.6	1962.2	2245.7	2682.7	3093.2	3304.6	3287.3
22.5°	1735.6	1747.8	1754.9	1787.4	1892.1	2154.3	2623.8	3190.8	3518.0	3520.0
25°	1850.4	1862.6	1854.5	1874.8	1920.6	2125.8	2601.4	3305.6	3786.3	3808.6
27.5°	2039.5	2040.5	2021.2	2020.2	2027.3	2168.5	2624.8	3428.6	4124.6	4166.3
30°	2418.5	2403.2	2329.1	2248.8	2212.2	2296.5	2689.8	3573.9	4524.0	4598.2
32.5°	3002.8	2980.4	2844.3	2652.2	2459.1	2502.8	2806.7	3739.5	4958.9	5093.1
35°	3636.9	3630.8	3488.5	3203.0	2865.6	2796.5	2996.7	3957.0	5433.5	5646.9
37.5°	4226.3	4223.2	4141.9	3805.6	3395.0	3206.0	3301.5	4241.5	5941.6	6250.5
40°	4764.8	4774.0	4692.7	4391.9	3978.3	3731.4	3716.1	4593.1	6506.6	6907.9
42.5°	5230.2	5240.4	5158.1	4935.5	4554.5	4312.6	4225.2	5024.0	7058.3	7614.2
45°	5546.3	5609.3	5597.1	5419.2	5145.9	4894.9	4837.0	5564.6	7687.3	8363.1
47.5°	5635.7	5693.6	5785.1	5809.5	5642.8	5395.9	5465.0	6215.9	8323.5	9113.0
50°	5415.2	5469.0	5659.1	5912.1	6027.9	5951.7	6075.7	6914.0	8974.8	9860.9
52.5°	4980.3	5035.1	5274.9	5675.3	6147.8	6387.7	6688.4	7602.0	9605.9	10569.2
55°	4351.2	4409.2	4717.1	5170.3	5919.2	6567.5	7199.6	8288.9	10184.1	11206.3
57.5°	3495.6	3538.3	3858.4	4492.5	5344.0	6388.7	7576.6	9038.9	10728.7	11832.3
60°	2278.3	2315.9	2687.8	3395.0	4390.9	5791.2	7651.8	9875.2	11452.3	12646.3
62.5°	1515.1	1540.5	1761.0	2280.3	3092.2	4643.9	7211.8	10542.8	12513.1	14062.8
65°	1039.5	1064.9	1285.5	1647.2	1997.8	3071.9	5946.6	10454.4	13474.4	15187.7
67.5°	741.8	763.1	950.1	1291.6	1446.0	1784.4	4031.2	9324.4	13336.2	15230.4
70°	531.5	543.7	698.1	1006.0	1149.3	1072.1	2241.7	7131.5	11676.8	14063.8
72.5°	371.9	376.0	484.7	766.2	925.7	782.5	1067.0	4754.7	8831.6	11038.7
75°	252.0	257.1	326.2	561.9	742.8	597.5	565.0	2549.6	5184.5	6110.2
77.5°	154.5	156.5	210.3	384.1	555.8	455.2	363.8	1080.2	2005.9	1969.3
80°	87.4	87.4	134.1	238.8	379.0	293.7	255.1	459.3	635.1	557.9
82.5°	48.8	49.8	97.6	148.4	251.0	173.8	140.2	212.4	274.4	242.9
85°	20.3	22.4	60.0	70.1	119.9	86.4	56.9	89.4	101.6	90.4
87.5°	2.0	3.0	18.3	13.2	14.2	17.3	8.1	17.3	14.2	14.2
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°
2338.2	0°	2338.2	2338.2	2338.2	2338.2	2338.2	2338.2	2338.2	2338.2	2338.2	2338.2
2372.8	2.5°	2353.5	2338.2	2299.6	2254.9	2195.9	2167.5	2128.9	2102.5	2080.1	2082.1
2431.7	5°	2399.2	2360.6	2274.2	2166.5	2032.3	1936.8	1835.2	1765.1	1708.2	1696.0
2513.0	7.5°	2462.2	2401.2	2249.8	2055.7	1829.1	1657.4	1503.9	1405.4	1335.3	1312.9
2611.6	10°	2543.5	2455.1	2218.3	1916.5	1590.3	1371.8	1207.2	1130.0	1082.2	1066.0
2727.4	12.5°	2638.0	2517.1	2176.6	1746.8	1344.4	1134.0	1029.4	990.8	975.5	970.4
2869.7	15°	2756.9	2594.3	2113.6	1545.6	1136.1	988.7	944.0	938.9	941.0	938.9
3040.4	17.5°	2898.1	2678.6	2011.0	1338.3	995.8	914.6	898.3	902.4	907.4	906.4
3231.4	20°	3052.6	2762.0	1879.9	1154.4	900.3	861.7	852.6	856.6	860.7	858.7
3451.9	22.5°	3228.4	2851.4	1734.6	1011.1	836.3	812.9	802.8	803.8	803.8	799.7
3731.4	25°	3438.7	2949.9	1582.2	909.5	787.5	769.2	757.0	753.0	746.9	734.7
4070.8	27.5°	3689.7	3054.6	1435.9	838.3	748.9	731.6	717.4	707.3	692.0	671.7
4478.3	30°	3972.2	3181.6	1311.9	793.6	718.4	701.2	684.9	669.7	647.3	621.9
4946.7	32.5°	4304.5	3317.8	1221.4	764.2	691.0	672.7	653.4	635.1	610.7	585.3
5473.1	35°	4700.8	3482.4	1168.6	743.8	669.7	645.3	623.9	603.6	585.3	563.0
6045.2	37.5°	5130.7	3657.2	1152.3	733.7	655.4	617.8	593.4	579.2	577.2	564.0
6664.1	40°	5601.1	3864.5	1164.5	727.6	640.2	591.4	565.0	561.9	567.0	543.7
7325.6	42.5°	6099.1	4110.4	1184.9	720.5	618.8	565.0	539.6	539.6	535.5	503.0
8024.7	45°	6637.6	4393.9	1205.2	703.2	593.4	538.6	519.3	512.2	494.9	463.4
8727.9	47.5°	7180.3	4682.5	1220.4	671.7	563.0	516.2	498.9	482.7	457.3	428.8
9417.9	50°	7695.5	4941.6	1204.2	624.9	528.4	494.9	476.6	454.2	426.8	407.5
10071.3	52.5°	8155.8	5166.2	1135.1	570.1	491.8	472.5	456.3	432.9	410.5	390.2
10660.7	55°	8556.2	5348.1	1013.1	518.2	459.3	453.2	437.0	407.5	377.0	359.7
11245.0	57.5°	8940.3	5486.3	860.7	475.6	429.8	431.9	407.5	381.1	352.6	334.3
12032.5	60°	9451.4	5671.3	706.2	435.9	398.3	404.4	378.0	358.7	323.1	299.8
13383.0	62.5°	10268.4	5958.8	560.9	387.2	361.8	363.8	352.6	329.2	286.6	259.1
14383.9	65°	10916.7	5853.2	442.0	334.3	320.1	323.1	323.1	297.7	252.0	220.5
14437.8	67.5°	10843.6	5011.8	352.6	282.5	280.5	282.5	289.6	268.3	223.6	198.2
13338.3	70°	9989.0	3986.4	282.5	234.7	243.9	238.8	259.1	244.9	201.2	175.8
10340.6	72.5°	8150.7	2871.7	215.4	194.1	187.0	195.1	233.7	220.5	167.7	139.2
5477.2	75°	4762.8	1532.4	160.6	153.4	135.2	162.6	207.3	188.0	128.0	102.6
1678.7	77.5°	1550.7	534.5	117.9	112.8	100.6	131.1	176.8	158.5	104.7	81.3
491.8	80°	415.6	161.6	80.3	74.2	65.0	97.6	140.2	126.0	75.2	52.8
211.4	82.5°	166.7	68.1	46.7	41.7	35.6	67.1	110.8	101.6	55.9	33.5
66.1	85°	53.9	22.4	17.3	13.2	16.3	41.7	66.1	69.1	39.6	17.3
10.2	87.5°	7.1	3.0	3.0	4.1	3.0	7.1	20.3	19.3	11.2	2.0
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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2338.2
2061.8
1668.6
1290.5
1053.8
967.4
937.9
904.4
857.6
797.7
732.7
669.7
619.9
586.3
560.9
563.0
544.7
503.0
462.4
427.8
404.4
388.2
357.7
332.3
296.7
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