

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: P851206

Luminaire Tested: **GLAN-SB9A-827-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851206
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9A-827-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32278 lumens
Efficiency: N/A
Efficacy: 126.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

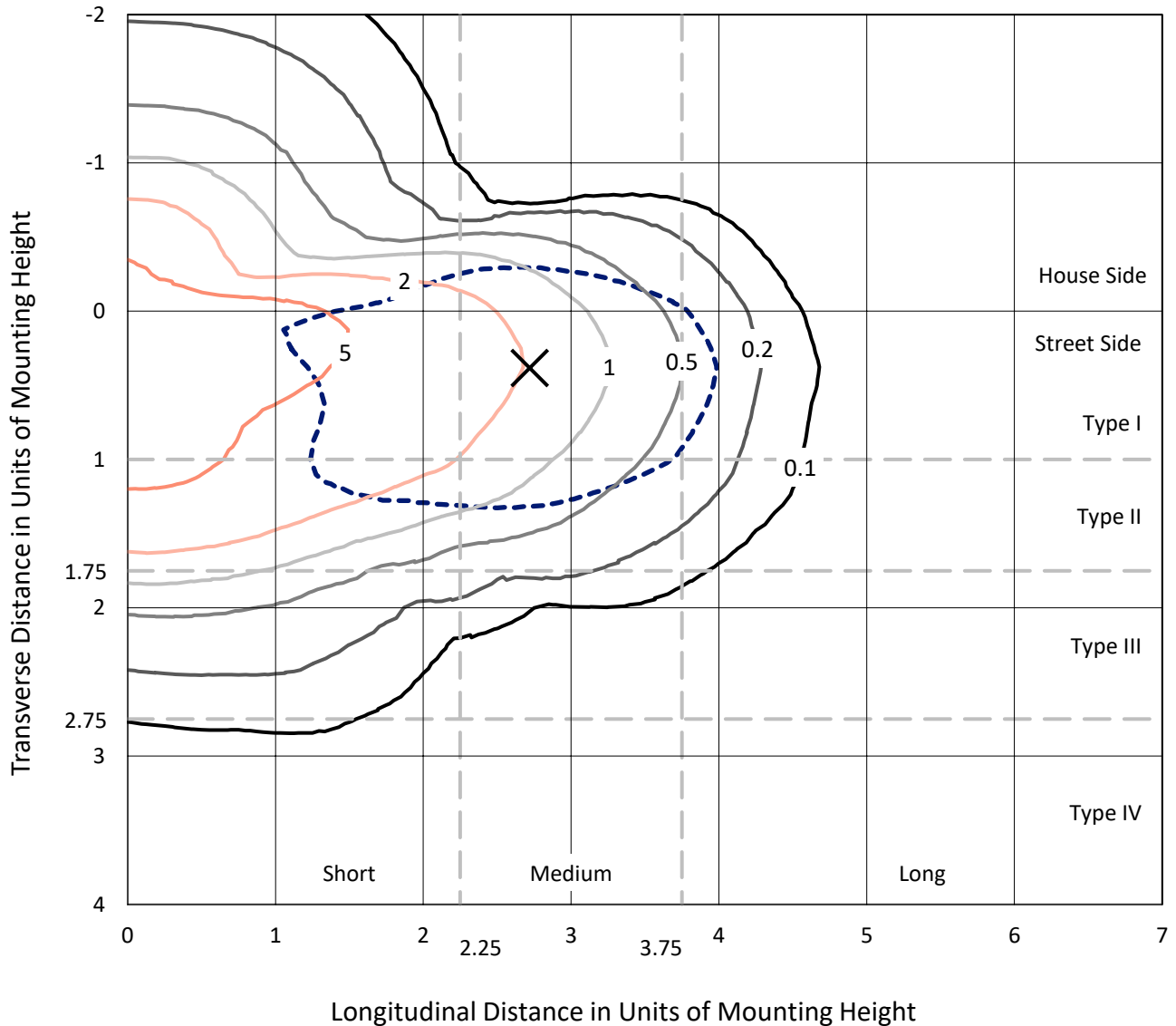
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

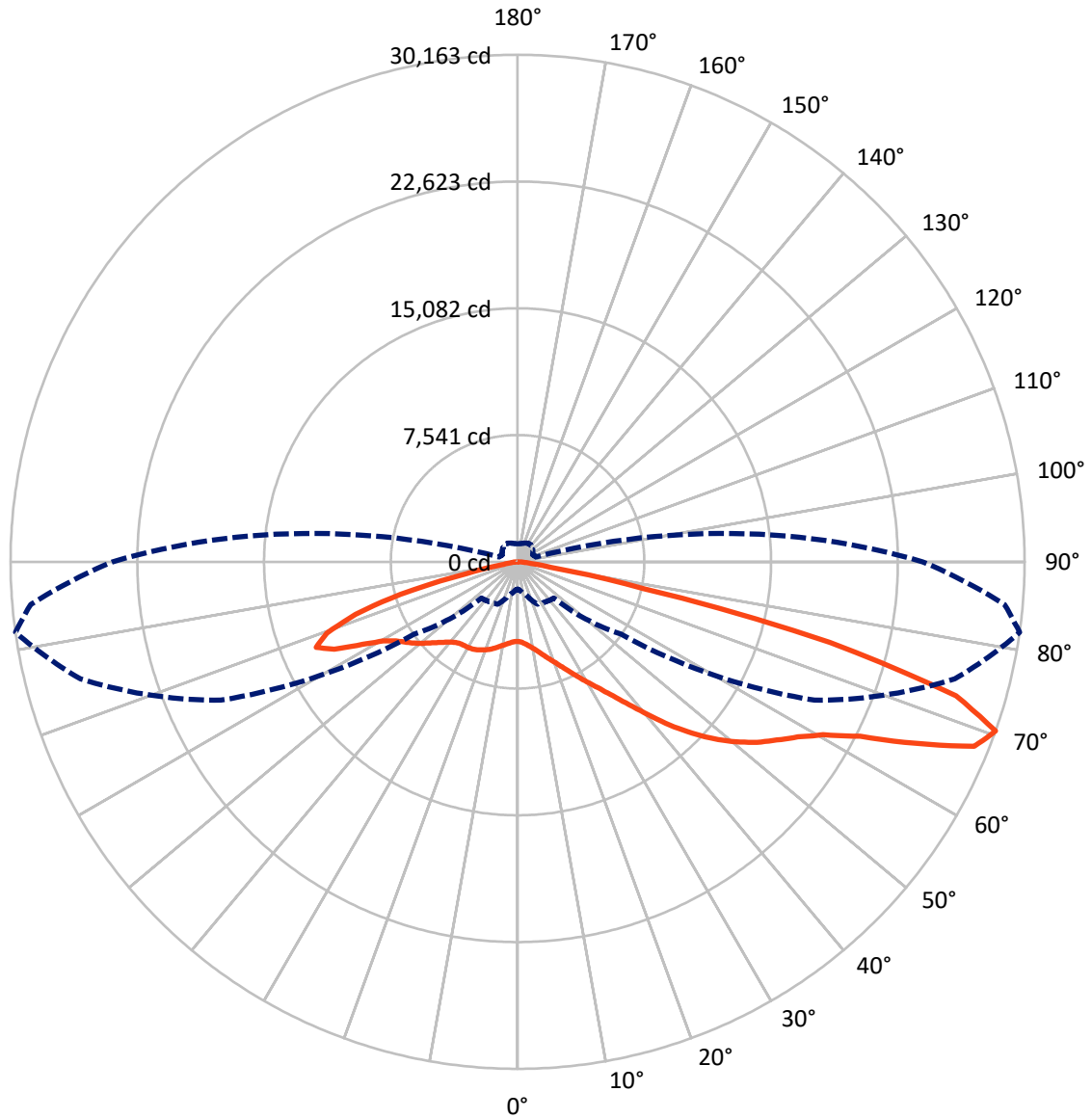
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7957.3	0.0	7957.3
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	24320.7	0.0	24320.7
	% Fixture	75.3	0.0	75.3
Total	Lumens	32278.0	0.0	32278.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	446.8	1.4
10°-20°	1283.7	4.0
20°-30°	2147.6	6.7
30°-40°	3355.0	10.4
40°-50°	5343.3	16.6
50°-60°	7435.8	23.0
60°-70°	7778.2	24.1
70°-80°	4065.3	12.6
80°-90°	422.1	1.3
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°	32278.0	100.0
0°-180°	32278.0	100.0

Coefficient of Utilization

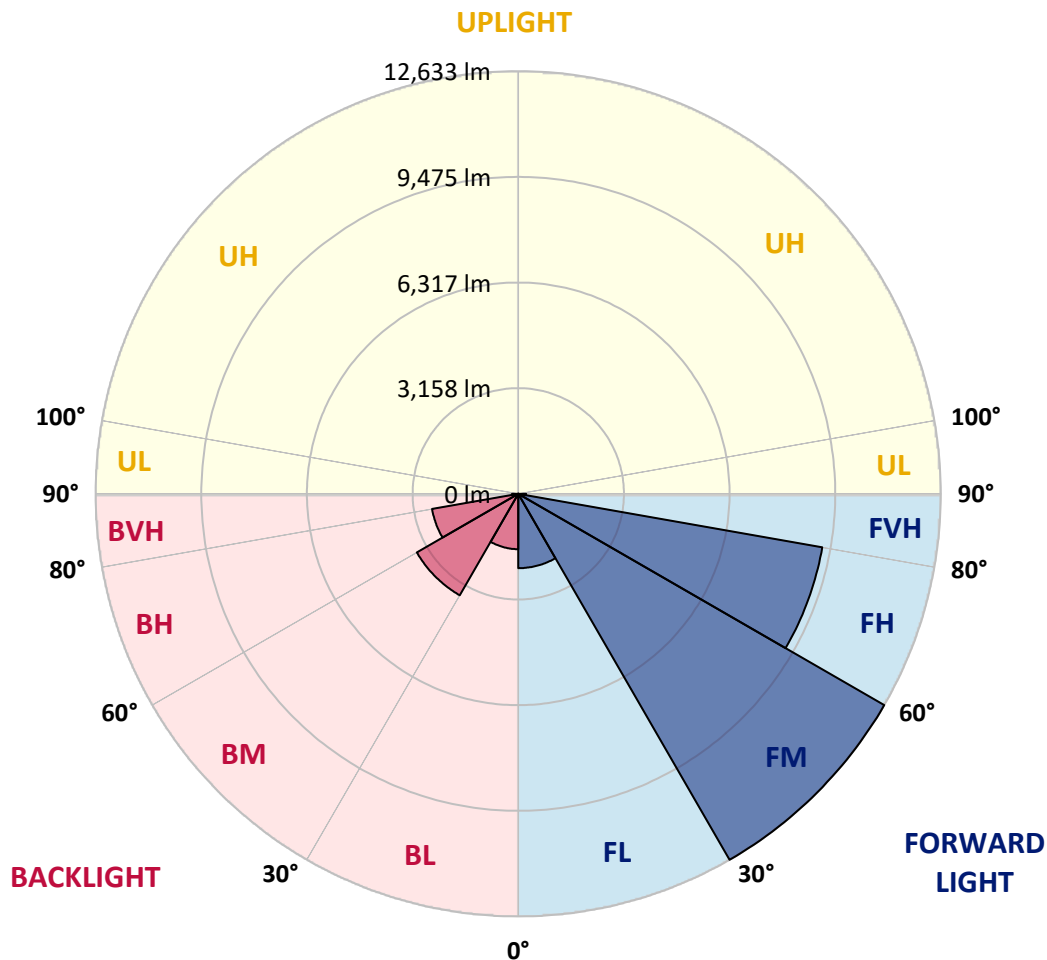


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2222.7	6.9			
FM (30°-60°)	12633.3	39.1			
FH (60°-80°)	9228.4	28.6			G4/12000
FVH (80°-90°)	236.3	0.7			G3/500
BL (0°-30°)	1655.4	5.1	B3/2500		
BM (30°-60°)	3500.9	10.8	B3/5000		
BH (60°-80°)	2615.2	8.1	B4/5000		G4/5000
BVH (80°-90°)	185.8	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4732.4	4732.4	4732.4	4732.4	4732.4	4732.4	4732.4	4732.4	4732.4	4732.4
2.5°	4845.4	4872.8	4864.2	4855.7	4855.7	4843.7	4842.0	4824.8	4811.1	4788.9
5°	4907.1	4936.2	4932.8	4939.6	4961.9	4967.0	4972.1	4961.9	4934.5	4907.1
7.5°	4852.3	4884.8	4895.1	4936.2	5004.7	5066.3	5112.6	5131.4	5105.7	5066.3
10°	4667.3	4703.2	4739.2	4836.8	4958.4	5104.0	5227.3	5301.0	5295.9	5258.2
12.5°	4292.2	4329.9	4406.9	4597.1	4819.7	5076.6	5306.1	5460.3	5513.4	5486.0
15°	3992.4	4025.0	4083.2	4278.5	4567.9	4958.4	5335.3	5635.0	5770.3	5754.9
17.5°	3983.9	3997.6	4033.6	4126.0	4348.7	4773.5	5304.4	5806.3	6064.9	6063.2
20°	4134.6	4139.7	4160.3	4179.1	4305.9	4633.0	5225.6	5948.4	6395.4	6395.4
22.5°	4343.6	4340.1	4360.7	4343.6	4405.2	4621.0	5176.0	6073.5	6763.7	6791.1
25°	4657.0	4639.9	4634.7	4595.3	4607.3	4732.4	5230.8	6215.6	7200.4	7257.0
27.5°	5074.9	5047.5	5028.7	4937.9	4907.1	4961.9	5398.6	6386.9	7686.9	7784.5
30°	5619.6	5569.9	5542.5	5384.9	5273.6	5282.2	5652.1	6614.7	8195.6	8353.1
32.5°	6362.9	6285.8	6212.2	5953.6	5749.7	5682.9	5979.2	6929.8	8747.1	8998.8
35°	7195.3	7133.6	7054.9	6655.8	6342.4	6188.2	6421.1	7370.0	9392.8	9791.9
37.5°	7996.9	7943.8	7981.5	7443.7	7039.4	6815.1	7000.1	7960.9	10189.2	10778.4
40°	8825.9	8784.8	8789.9	8276.1	7805.1	7553.3	7702.3	8702.5	11102.1	11951.6
42.5°	9726.8	9695.9	9593.2	9137.6	8608.3	8373.7	8510.7	9558.9	12081.8	13287.6
45°	10735.6	10716.7	10620.8	10098.4	9492.1	9228.4	9413.3	10504.4	13066.7	14544.8
47.5°	11607.4	11622.8	11610.8	11170.6	10542.0	10155.0	10375.9	11490.9	13983.0	15726.6
50°	12027.0	12107.5	12225.7	12088.7	11698.2	11304.2	11347.0	12443.2	14856.5	16834.7
52.5°	11807.8	11960.2	12282.2	12501.4	12652.2	12570.0	12455.2	13388.7	15678.6	17835.0
55°	10990.8	11204.9	11739.3	12268.5	13037.5	13635.3	13786.0	14436.9	16480.2	18715.3
57.5°	9502.4	9850.1	10329.7	11400.1	12695.0	14150.8	15337.8	15891.0	17329.7	19655.6
60°	6950.4	7416.3	8012.3	9605.2	11496.1	13875.1	16658.3	18124.4	18537.2	20873.4
62.5°	4448.0	4735.8	5283.9	6784.2	8957.7	12462.0	17062.5	20916.2	20584.0	22870.5
65°	3045.3	3230.3	3732.1	4574.8	5790.8	9276.3	15980.1	23009.2	23834.8	26035.7
67.5°	2212.9	2353.3	2781.5	3519.7	3773.2	5489.4	12400.4	22913.3	26994.8	29296.8
70°	1613.4	1712.8	2072.4	2781.5	2903.1	3053.9	7512.2	19477.5	26926.3	30163.4
72.5°	1195.5	1264.0	1505.5	2158.1	2349.9	2062.2	3718.4	14156.0	23137.7	27282.6
75°	864.9	916.3	1094.5	1651.1	1880.6	1570.6	1854.9	8272.6	16139.3	19191.5
77.5°	661.1	700.5	817.0	1209.2	1505.5	1178.4	1151.0	3805.8	7652.6	7690.3
80°	531.0	556.6	620.0	851.2	1154.4	882.1	750.2	1536.3	2418.4	2046.7
82.5°	390.5	433.3	524.1	597.8	825.6	608.0	457.3	775.9	919.8	791.3
85°	222.7	251.8	316.9	428.2	527.5	371.7	262.1	344.3	428.2	351.1
87.5°	78.8	102.8	111.3	167.9	229.5	154.1	101.1	99.3	140.4	104.5
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°
4732.4	0°	4732.4	4732.4	4732.4	4732.4	4732.4	4732.4	4732.4	4732.4	4732.4	4732.4
4783.7	2.5°	4766.6	4758.0	4723.8	4677.6	4629.6	4583.3	4567.9	4535.4	4513.1	4501.1
4895.1	5°	4862.5	4835.1	4754.6	4651.9	4544.0	4427.5	4345.3	4269.9	4215.1	4163.7
5047.5	7.5°	4999.5	4951.6	4812.9	4633.0	4441.2	4247.6	4103.8	3994.2	3920.5	3872.6
5225.6	10°	5158.8	5085.2	4872.8	4603.9	4307.6	4030.1	3860.6	3766.4	3720.1	3694.4
5429.5	12.5°	5342.1	5237.6	4934.5	4537.1	4103.8	3786.9	3670.4	3643.0	3644.8	3646.5
5686.4	15°	5568.2	5422.6	4984.1	4391.5	3838.3	3600.2	3579.7	3624.2	3670.4	3692.7
5977.5	17.5°	5823.4	5617.9	4992.7	4151.7	3578.0	3480.3	3545.4	3641.3	3711.6	3742.4
6303.0	20°	6097.4	5816.5	4931.0	3812.6	3363.9	3382.7	3499.2	3622.5	3699.6	3739.0
6674.6	22.5°	6410.9	6028.9	4783.7	3456.4	3189.2	3276.5	3413.5	3533.4	3613.9	3653.3
7111.4	25°	6768.8	6267.0	4552.5	3156.6	3038.4	3156.6	3293.6	3393.0	3458.1	3494.0
7599.5	27.5°	7166.2	6515.3	4244.2	2918.5	2906.6	3033.3	3146.3	3223.4	3257.7	3285.1
8118.5	30°	7565.3	6741.4	3870.8	2738.7	2791.8	2911.7	2992.2	3026.4	3036.7	3041.9
8697.4	32.5°	7996.9	6936.7	3478.6	2589.7	2682.2	2793.5	2841.5	2856.9	2808.9	2776.4
9399.6	35°	8519.3	7145.6	3095.0	2471.5	2574.3	2670.2	2685.6	2671.9	2615.4	2548.6
10280.0	37.5°	9165.0	7406.0	2788.4	2387.6	2473.2	2536.6	2517.8	2514.3	2519.5	2440.7
11338.5	40°	9956.3	7745.1	2564.0	2322.5	2391.0	2404.7	2351.6	2380.7	2406.4	2286.5
12499.7	42.5°	10834.9	8154.5	2421.8	2278.0	2322.5	2290.0	2207.7	2240.3	2236.9	2079.3
13666.1	45°	11730.7	8599.8	2372.2	2245.4	2259.1	2194.0	2103.3	2111.8	2039.9	1897.7
14784.6	47.5°	12621.3	9077.6	2403.0	2218.0	2180.3	2106.7	2036.5	1998.8	1892.6	1786.4
15856.7	50°	13494.8	9579.5	2516.0	2163.2	2072.4	2029.6	1978.2	1911.4	1798.4	1707.6
16870.7	52.5°	14305.0	10084.7	2642.8	2072.4	1937.1	1962.8	1930.3	1853.2	1741.9	1649.4
17829.8	55°	15072.3	10590.0	2692.5	1947.4	1810.4	1904.6	1885.7	1743.6	1610.0	1534.6
18833.5	57.5°	15908.1	11198.0	2637.7	1788.1	1707.6	1837.8	1765.9	1608.3	1531.2	1474.7
20140.4	60°	17065.9	12152.0	2519.5	1591.2	1610.0	1738.5	1615.1	1550.0	1466.1	1402.8
22099.8	62.5°	18989.4	13931.6	2329.4	1395.9	1495.2	1591.2	1543.2	1478.1	1392.5	1330.8
25449.9	65°	21832.6	16404.8	1971.4	1243.5	1366.8	1447.3	1466.1	1401.0	1312.0	1246.9
28385.6	67.5°	24230.4	17956.6	1491.8	1116.7	1234.9	1330.8	1383.9	1320.5	1226.3	1163.0
29072.4	70°	24098.5	16829.6	1139.0	991.7	1118.4	1216.1	1284.6	1234.9	1133.8	1073.9
26407.3	72.5°	21404.4	14078.9	921.5	864.9	1000.3	1096.2	1178.4	1140.7	1037.9	979.7
19345.6	75°	15724.9	9994.0	736.5	736.5	853.0	971.1	1061.9	1037.9	943.7	902.6
8121.9	77.5°	6628.4	4192.8	577.2	611.5	709.1	834.1	947.2	955.7	873.5	924.9
2147.8	80°	1762.4	1156.1	440.2	481.3	556.6	688.5	823.8	820.4	731.3	683.4
798.1	82.5°	671.4	455.6	313.4	339.1	402.5	527.5	652.6	673.1	584.1	505.3
313.4	85°	258.6	195.3	193.5	203.8	234.6	349.4	493.3	510.4	440.2	373.4
87.4	87.5°	66.8	58.2	71.9	68.5	107.9	186.7	282.6	292.9	268.9	155.9
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°
4732.4
4514.8
4184.3
3882.8
3701.3
3649.9
3691.0
3749.2
3749.2
3663.6
3504.3
3295.4
3053.9
2786.7
2552.0
2445.8
2290.0
2077.6
1902.9
1786.4
1700.8
1651.1
1527.8
1469.5
1399.3
1330.8
1250.3
1164.7
1079.0
979.7
890.6
839.3
635.4
505.3
385.4
222.7
0.0

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