

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: P848826

Luminaire Tested: **GLAN-SB5C-827-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848826
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-SB5C-827-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29887 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

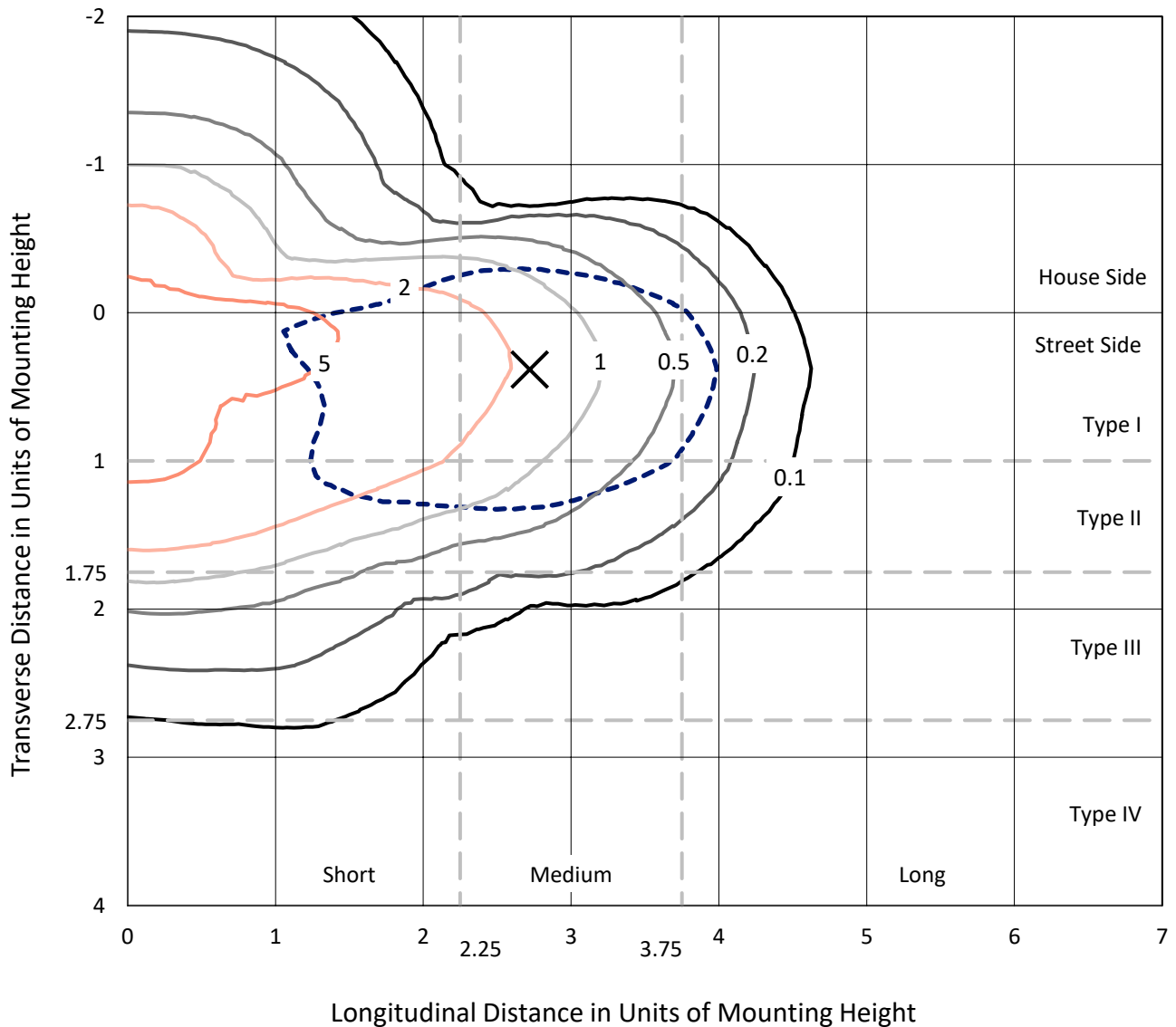
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

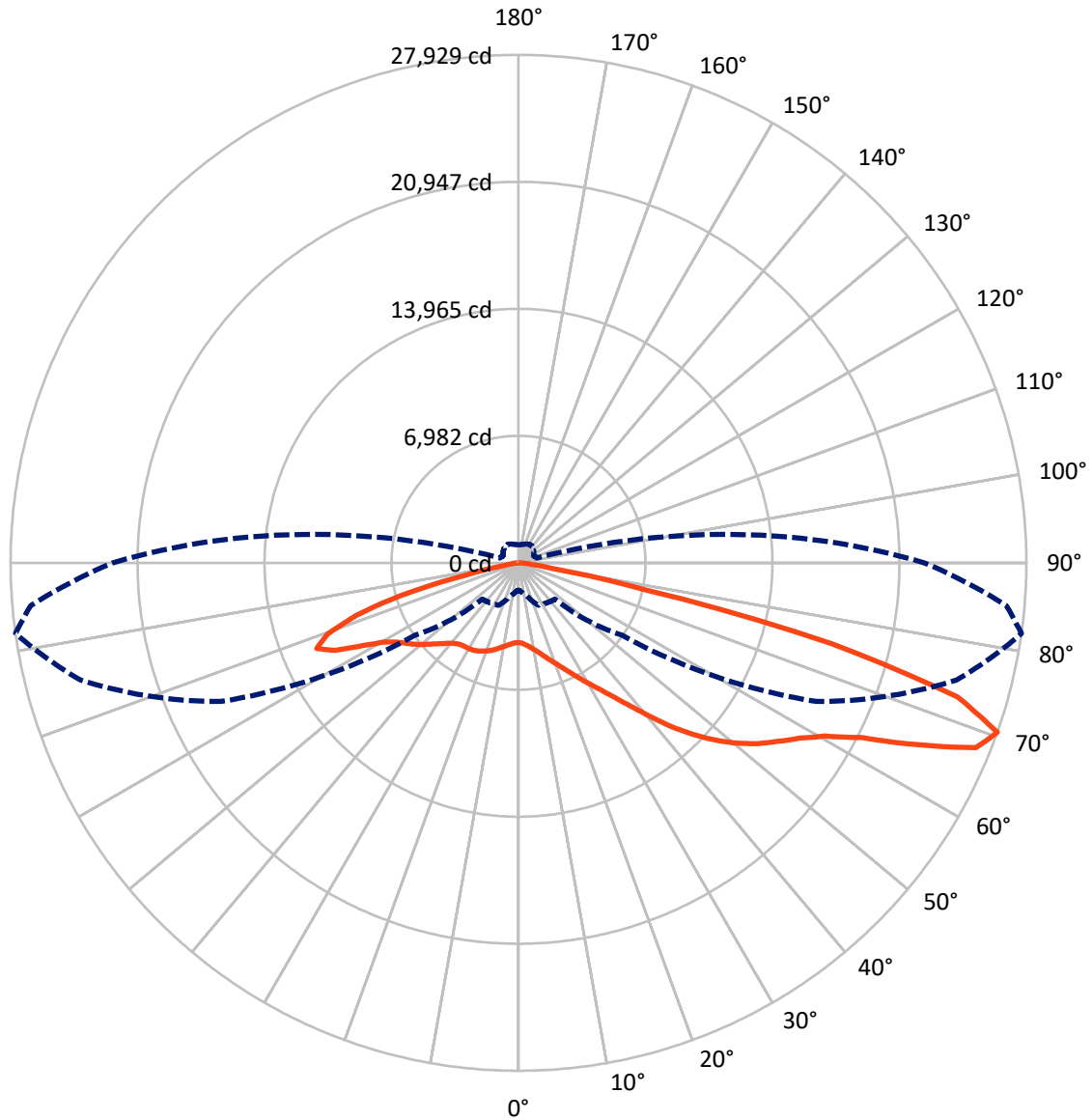
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 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	7367.9	0.0	7367.9
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	22519.1	0.0	22519.1
	% Fixture	75.3	0.0	75.3
Total	Lumens	29887.0	0.0	29887.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	413.7	1.4
10°-20°	1188.6	4.0
20°-30°	1988.5	6.7
30°-40°	3106.5	10.4
40°-50°	4947.5	16.6
50°-60°	6885.0	23.0
60°-70°	7202.1	24.1
70°-80°	3764.2	12.6
80°-90°	390.9	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°	29887.0	100.0
0°-180°	29887.0	100.0

Coefficient of Utilization

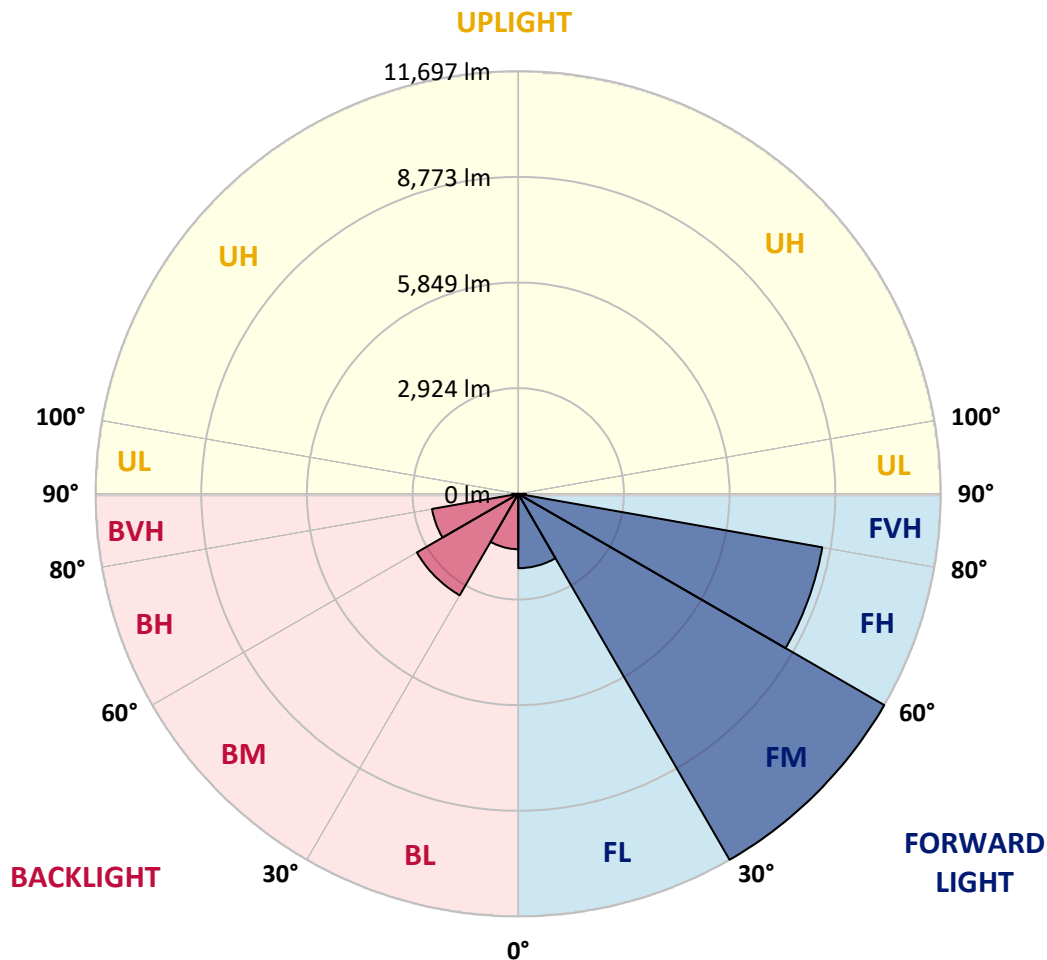


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2058.1	6.9			
FM (30°-60°)	11697.5	39.1			
FH (60°-80°)	8544.8	28.6			G4/12000
FVH (80°-90°)	218.8	0.7			G2/225
BL (0°-30°)	1532.8	5.1	B3/2500		
BM (30°-60°)	3241.6	10.8	B3/5000		
BH (60°-80°)	2421.5	8.1	B3/2500		G3/2500
BVH (80°-90°)	172.1	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4381.8	4381.8	4381.8	4381.8	4381.8	4381.8	4381.8	4381.8	4381.8	4381.8
2.5°	4486.5	4511.9	4503.9	4496.0	4496.0	4484.9	4483.3	4467.4	4454.8	4434.1
5°	4543.6	4570.5	4567.4	4573.7	4594.3	4599.1	4603.8	4594.3	4568.9	4543.6
7.5°	4492.8	4523.0	4532.5	4570.5	4634.0	4691.1	4733.9	4751.3	4727.5	4691.1
10°	4321.5	4354.8	4388.2	4478.5	4591.1	4725.9	4840.1	4908.3	4903.6	4868.7
12.5°	3974.2	4009.1	4080.5	4256.5	4462.7	4700.6	4913.1	5055.8	5105.0	5079.6
15°	3696.7	3726.8	3780.8	3961.5	4229.6	4591.1	4940.0	5217.6	5342.9	5328.6
17.5°	3688.8	3701.5	3734.8	3820.4	4026.6	4419.9	4911.5	5376.2	5615.6	5614.0
20°	3828.3	3833.1	3852.1	3869.6	3986.9	4289.8	4838.5	5507.8	5921.7	5921.7
22.5°	4021.8	4018.6	4037.7	4021.8	4078.9	4278.7	4792.6	5623.6	6262.7	6288.0
25°	4312.0	4296.2	4291.4	4254.9	4266.0	4381.8	4843.3	5755.2	6667.1	6719.4
27.5°	4699.0	4673.6	4656.2	4572.1	4543.6	4594.3	4998.7	5913.8	7117.5	7207.9
30°	5203.3	5157.3	5131.9	4986.0	4882.9	4890.9	5233.4	6124.7	7588.5	7734.4
32.5°	5891.6	5820.2	5752.0	5512.5	5323.8	5262.0	5536.3	6416.5	8099.1	8332.3
35°	6662.3	6605.2	6532.3	6162.8	5872.5	5729.8	5945.5	6824.1	8697.0	9066.5
37.5°	7404.5	7355.3	7390.2	6892.3	6518.0	6310.2	6481.5	7371.2	9434.4	9980.0
40°	8172.1	8134.0	8138.8	7663.0	7226.9	6993.8	7131.7	8057.9	10279.7	11066.3
42.5°	9006.3	8977.7	8882.6	8460.7	7970.7	7753.4	7880.3	8850.8	11186.9	12303.3
45°	9940.3	9922.9	9834.1	9350.4	8789.0	8544.8	8716.0	9726.2	12098.7	13467.4
47.5°	10747.6	10761.8	10750.7	10343.2	9761.1	9402.7	9607.3	10639.7	12947.2	14561.6
50°	11136.1	11210.6	11320.1	11193.2	10831.6	10466.9	10506.5	11521.5	13756.0	15587.7
52.5°	10933.1	11074.3	11372.4	11575.4	11715.0	11638.8	11532.6	12396.9	14517.2	16513.8
55°	10176.6	10374.9	10869.7	11359.7	12071.8	12625.3	12764.8	13367.4	15259.4	17329.0
57.5°	8798.5	9120.4	9564.5	10555.7	11754.6	13102.6	14201.6	14713.9	16046.0	18199.6
60°	6435.5	6866.9	7418.8	8893.7	10644.5	12847.3	15424.3	16781.9	17164.1	19327.2
62.5°	4118.6	4385.0	4892.5	6281.7	8294.2	11538.9	15798.6	19366.9	19059.2	21176.4
65°	2819.7	2991.0	3455.6	4235.9	5361.9	8589.2	14796.3	21304.8	22069.2	24107.1
67.5°	2049.0	2179.0	2575.5	3259.0	3493.7	5082.8	11481.8	21216.0	24995.2	27126.6
70°	1493.9	1585.9	1918.9	2575.5	2688.1	2827.6	6955.7	18034.7	24931.7	27929.1
72.5°	1106.9	1170.4	1394.0	1998.2	2175.8	1909.4	3443.0	13107.4	21423.8	25261.6
75°	800.9	848.4	1013.4	1528.8	1741.3	1454.3	1717.5	7659.8	14943.8	17769.9
77.5°	612.2	648.6	756.5	1119.6	1394.0	1091.1	1065.7	3523.8	7085.7	7120.6
80°	491.6	515.4	574.1	788.2	1068.9	816.7	694.6	1422.5	2239.3	1895.1
82.5°	361.6	401.2	485.3	553.5	764.4	563.0	423.4	718.4	851.6	732.7
85°	206.2	233.1	293.4	396.5	488.5	344.1	242.6	318.8	396.5	325.1
87.5°	73.0	95.2	103.1	155.4	212.5	142.7	93.6	92.0	130.0	96.7
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°
4381.8	0°	4381.8	4381.8	4381.8	4381.8	4381.8	4381.8	4381.8	4381.8	4381.8	4381.8
4429.4	2.5°	4413.5	4405.6	4373.9	4331.1	4286.7	4243.8	4229.6	4199.4	4178.8	4167.7
4532.5	5°	4502.3	4477.0	4402.4	4307.3	4207.4	4099.5	4023.4	3953.6	3902.9	3855.3
4673.6	7.5°	4629.2	4584.8	4456.3	4289.8	4112.2	3933.0	3799.8	3698.3	3630.1	3585.7
4838.5	10°	4776.7	4708.5	4511.9	4262.9	3988.5	3731.6	3574.6	3487.4	3444.5	3420.8
5027.3	12.5°	4946.4	4849.6	4568.9	4201.0	3799.8	3506.4	3398.6	3373.2	3374.8	3376.4
5265.1	15°	5155.7	5020.9	4614.9	4066.2	3554.0	3333.5	3314.5	3355.7	3398.6	3419.2
5534.7	17.5°	5392.0	5201.7	4622.9	3844.2	3312.9	3222.5	3282.8	3371.6	3436.6	3465.2
5836.1	20°	5645.8	5385.7	4565.8	3530.2	3114.7	3132.1	3240.0	3354.2	3425.5	3462.0
6180.2	22.5°	5936.0	5582.3	4429.4	3200.3	2952.9	3033.8	3160.7	3271.7	3346.2	3382.7
6584.6	25°	6267.4	5802.8	4215.3	2922.8	2813.4	2922.8	3049.7	3141.6	3201.9	3235.2
7036.6	27.5°	6635.4	6032.7	3929.8	2702.4	2691.3	2808.6	2913.3	2984.6	3016.4	3041.7
7517.1	30°	7004.9	6242.1	3584.1	2535.8	2585.0	2696.0	2770.5	2802.3	2811.8	2816.5
8053.1	32.5°	7404.5	6422.8	3220.9	2397.9	2483.5	2586.6	2631.0	2645.3	2600.9	2570.7
8703.4	35°	7888.2	6616.3	2865.7	2288.4	2383.6	2472.4	2486.7	2474.0	2421.7	2359.8
9518.5	37.5°	8486.1	6857.4	2581.8	2210.7	2290.0	2348.7	2331.3	2328.1	2332.8	2259.9
10498.6	40°	9218.8	7171.4	2374.1	2150.5	2213.9	2226.6	2177.4	2204.4	2228.2	2117.2
11573.8	42.5°	10032.3	7550.4	2242.4	2109.2	2150.5	2120.3	2044.2	2074.3	2071.2	1925.3
12653.8	45°	10861.7	7962.7	2196.5	2079.1	2091.8	2031.5	1947.5	1955.4	1888.8	1757.2
13689.4	47.5°	11686.4	8405.2	2225.0	2053.7	2018.8	1950.6	1885.6	1850.7	1752.4	1654.1
14682.1	50°	12495.2	8869.9	2329.7	2003.0	1918.9	1879.3	1831.7	1769.9	1665.2	1581.1
15621.0	52.5°	13245.3	9337.7	2447.0	1918.9	1793.6	1817.4	1787.3	1715.9	1612.8	1527.2
16509.1	55°	13955.8	9805.5	2493.0	1803.2	1676.3	1763.5	1746.1	1614.4	1490.7	1421.0
17438.4	57.5°	14729.7	10368.5	2442.3	1655.7	1581.1	1701.7	1635.1	1489.1	1417.8	1365.4
18648.5	60°	15801.8	11251.9	2332.8	1473.3	1490.7	1609.7	1495.5	1435.2	1357.5	1298.8
20462.7	62.5°	17582.7	12899.6	2156.8	1292.5	1384.5	1473.3	1428.9	1368.6	1289.3	1232.2
23564.7	65°	20215.3	15189.6	1825.4	1151.4	1265.5	1340.1	1357.5	1297.3	1214.8	1154.5
26282.9	67.5°	22435.6	16626.4	1381.3	1034.0	1143.4	1232.2	1281.4	1222.7	1135.5	1076.8
26918.9	70°	22313.4	15582.9	1054.6	918.2	1035.6	1126.0	1189.4	1143.4	1049.9	994.4
24451.2	72.5°	19818.8	13036.0	853.2	800.9	926.2	1015.0	1091.1	1056.2	961.0	907.1
17912.6	75°	14560.0	9253.7	681.9	681.9	789.8	899.2	983.3	961.0	873.8	835.8
7520.3	77.5°	6137.4	3882.3	534.4	566.2	656.6	772.3	877.0	884.9	808.8	856.4
1988.7	80°	1631.9	1070.5	407.6	445.6	515.4	637.5	762.8	759.6	677.2	632.8
739.0	82.5°	621.7	421.8	290.2	314.0	372.7	488.5	604.2	623.3	540.8	467.8
290.2	85°	239.5	180.8	179.2	188.7	217.3	323.5	456.7	472.6	407.6	345.7
80.9	87.5°	61.8	53.9	66.6	63.4	99.9	172.9	261.7	271.2	249.0	144.3
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°
4381.8
4180.4
3874.3
3595.2
3427.1
3379.5
3417.6
3471.5
3471.5
3392.2
3244.7
3051.2
2827.6
2580.2
2363.0
2264.6
2120.3
1923.7
1761.9
1654.1
1574.8
1528.8
1414.6
1360.7
1295.7
1232.2
1157.7
1078.4
999.1
907.1
824.7
777.1
588.4
467.8
356.8
206.2
0.0

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