

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: P850458

Luminaire Tested: **GLAN-SB8A-722-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850458
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8A-722-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28384 lumens
Efficiency: N/A
Efficacy: 125.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

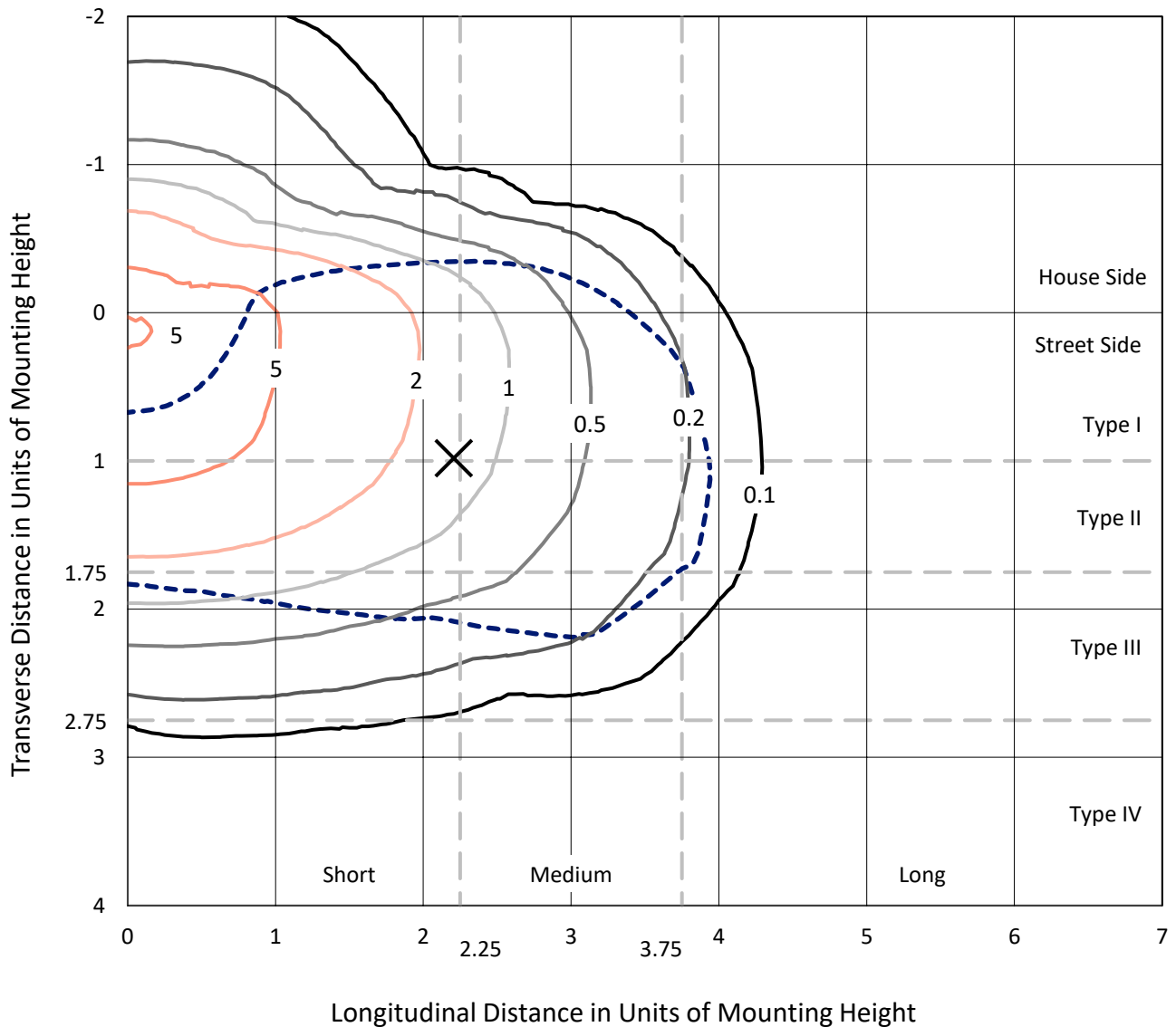
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

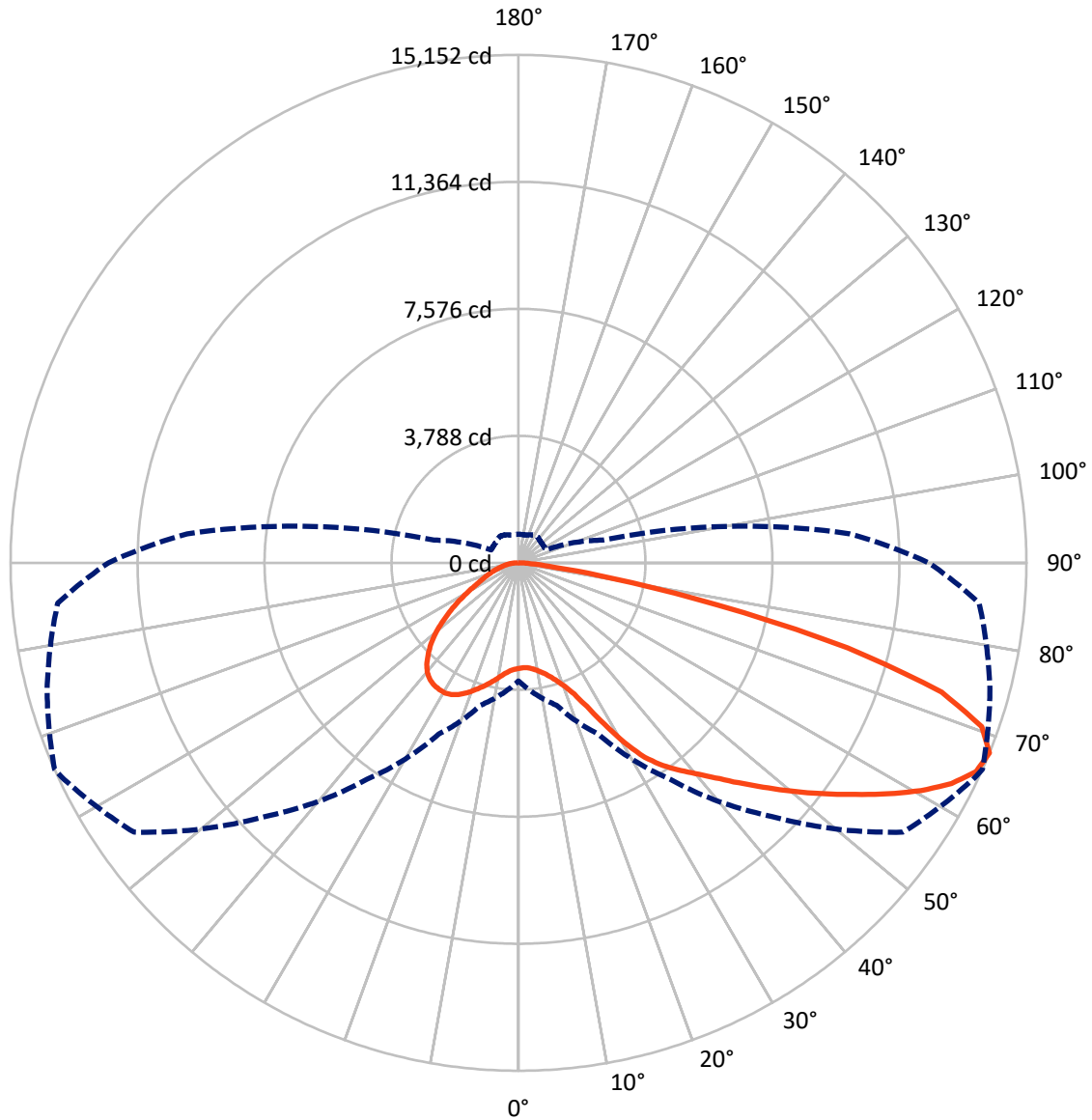
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7057.6	0.0	7057.6
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	21326.4	0.0	21326.4
	% Fixture	75.1	0.0	75.1
Total	Lumens	28384.0	0.0	28384.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	312.1	1.1
10°-20°	1031.2	3.6
20°-30°	1987.6	7.0
30°-40°	3485.1	12.3
40°-50°	5181.1	18.3
50°-60°	6567.6	23.1
60°-70°	6426.2	22.6
70°-80°	3065.4	10.8
80°-90°	327.6	1.2
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°	28384.0	100.0
0°-180°	28384.0	100.0

Coefficient of Utilization

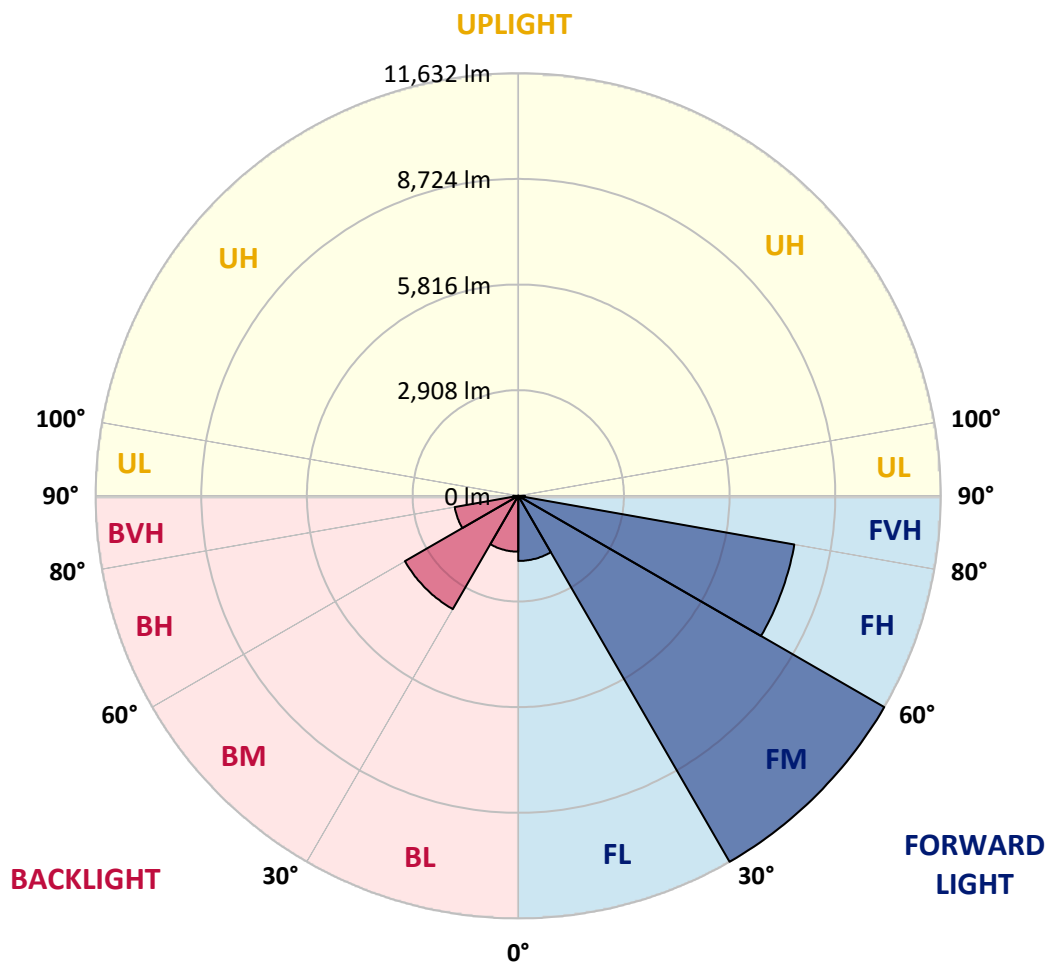


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1793.6	6.3			
FM (30°-60°)	11631.5	41.0			
FH (60°-80°)	7715.5	27.2			G4/12000
FVH (80°-90°)	185.7	0.7			G2/225
BL (0°-30°)	1537.4	5.4	B3/2500		
BM (30°-60°)	3602.3	12.7	B3/5000		
BH (60°-80°)	1776.1	6.3	B3/2500		G3/2500
BVH (80°-90°)	141.9	0.5			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	3148.2	3148.2	3148.2	3148.2	3148.2	3148.2	3148.2	3148.2	3148.2	3148.2
2.5°	3115.4	3133.2	3128.8	3121.3	3119.8	3122.8	3127.3	3131.8	3130.3	3137.7
5°	3106.4	3124.3	3122.8	3122.8	3128.8	3140.7	3148.2	3155.6	3148.2	3157.1
7.5°	3112.4	3125.8	3131.8	3137.7	3152.6	3175.0	3192.9	3209.3	3200.4	3210.8
10°	3188.4	3198.9	3204.8	3204.8	3215.3	3240.6	3258.5	3288.3	3280.9	3297.3
12.5°	3327.1	3337.6	3337.6	3331.6	3339.0	3355.5	3361.4	3394.2	3380.8	3407.6
15°	3497.1	3518.0	3501.6	3491.2	3494.1	3510.5	3509.1	3534.4	3521.0	3543.4
17.5°	3685.0	3711.9	3685.0	3683.5	3677.6	3695.5	3697.0	3719.3	3695.5	3711.9
20°	3907.2	3944.5	3922.2	3929.6	3916.2	3923.6	3931.1	3963.9	3926.6	3938.6
22.5°	4220.4	4265.2	4241.3	4269.6	4260.7	4254.7	4253.2	4311.4	4253.2	4257.7
25°	4676.8	4730.4	4688.7	4727.5	4727.5	4746.8	4769.2	4843.8	4746.8	4718.5
27.5°	5350.8	5404.5	5322.5	5346.4	5338.9	5386.6	5362.8	5547.7	5443.3	5397.1
30°	6162.1	6257.5	6102.5	6096.5	6089.0	6165.1	6199.4	6321.7	6215.8	6169.6
32.5°	7039.0	7138.9	6954.0	6900.3	6872.0	6918.2	6889.9	6988.3	6915.2	6843.6
35°	7966.6	8065.0	7889.0	7784.7	7671.3	7574.4	7473.0	7498.3	7429.7	7320.9
37.5°	8843.5	9023.9	8837.5	8725.7	8516.9	8327.5	8044.1	7926.3	7862.2	7762.3
40°	9736.8	9839.7	9698.0	9602.6	9375.9	9079.1	8625.8	8376.7	8290.2	8193.3
42.5°	10394.4	10492.9	10416.8	10351.2	10173.7	9829.2	9243.2	8931.5	8806.2	8697.3
45°	10916.4	10989.5	10941.8	10965.6	10889.6	10555.5	9882.9	9526.5	9396.8	9264.0
47.5°	11126.7	11204.2	11280.3	11422.0	11551.7	11305.6	10570.4	10170.8	10033.6	9897.8
50°	11102.8	11181.9	11402.6	11703.8	12106.5	12024.5	11295.2	10856.8	10730.0	10574.9
52.5°	10911.9	11001.4	11284.8	11785.8	12427.1	12562.8	12033.4	11565.1	11445.8	11260.9
55°	10410.9	10464.5	10889.6	11599.4	12503.2	12938.6	12756.7	12319.7	12200.4	11942.4
57.5°	9481.8	9559.3	10178.2	11096.9	12312.3	13193.6	13392.0	13113.1	12998.3	12626.9
60°	8269.3	8393.1	9101.5	10252.8	11826.1	13192.2	13969.1	13893.1	13797.6	13301.0
62.5°	6897.3	7040.5	7722.0	9059.7	10976.1	12817.8	14330.0	14546.3	14497.0	13922.9
65°	5297.1	5395.6	6074.1	7516.2	9653.3	12014.0	14371.8	14992.2	15001.1	14395.6
67.5°	3527.0	3810.3	4399.4	5640.1	7881.6	10700.2	14004.9	15065.2	15151.7	14558.2
70°	1721.0	2093.8	2670.9	3665.6	5640.1	8685.4	13046.0	14465.7	14658.1	14084.0
72.5°	714.3	835.1	1149.8	1809.0	3237.6	5860.9	11119.2	12840.2	13196.6	12479.3
75°	481.7	522.0	657.7	927.6	1474.9	2890.2	8018.8	9574.2	10148.4	9425.1
77.5°	371.3	396.7	478.7	648.7	876.9	1093.1	4292.0	5769.9	6066.7	5616.3
80°	292.3	311.7	357.9	472.7	621.9	584.6	1463.0	2614.3	2785.8	2336.9
82.5°	253.5	261.0	256.5	320.6	413.1	341.5	480.2	964.9	1064.8	772.5
85°	183.4	204.3	213.3	198.3	219.2	173.0	196.9	341.5	375.8	335.5
87.5°	74.6	110.4	135.7	128.3	80.5	49.2	61.1	99.9	114.8	125.3
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°
3148.2	0°	3148.2	3148.2	3148.2	3148.2	3148.2	3148.2	3148.2	3148.2	3148.2	3148.2
3149.7	2.5°	3151.1	3161.6	3169.0	3178.0	3184.0	3192.9	3210.8	3221.2	3222.7	3230.2
3173.5	5°	3179.5	3194.4	3210.8	3234.7	3261.5	3283.9	3318.2	3342.0	3351.0	3358.4
3231.7	7.5°	3240.6	3261.5	3291.3	3333.1	3371.9	3401.7	3443.4	3471.8	3500.1	3510.5
3324.1	10°	3331.6	3361.4	3404.7	3461.3	3503.1	3541.9	3585.1	3609.0	3637.3	3649.2
3434.5	12.5°	3444.9	3476.2	3532.9	3612.0	3650.7	3677.6	3692.5	3686.5	3692.5	3702.9
3567.2	15°	3574.7	3609.0	3673.1	3758.1	3785.0	3761.1	3728.3	3698.5	3694.0	3697.0
3728.3	17.5°	3728.3	3753.6	3828.2	3899.8	3880.4	3782.0	3710.4	3662.7	3638.8	3631.3
3934.1	20°	3943.0	3943.0	4004.2	4048.9	3919.2	3752.1	3640.3	3562.7	3513.5	3492.7
4214.4	22.5°	4204.0	4180.1	4218.9	4187.6	3911.7	3668.6	3513.5	3379.3	3304.7	3274.9
4606.7	25°	4535.1	4506.7	4496.3	4302.4	3858.0	3535.9	3283.9	3121.3	3055.7	3039.3
5171.9	27.5°	5034.7	4963.1	4827.4	4365.1	3759.6	3327.1	3015.4	2864.8	2827.5	2829.0
5898.1	30°	5699.8	5556.6	5224.1	4375.5	3598.5	3031.8	2741.0	2633.7	2615.8	2623.2
6508.1	32.5°	6315.7	6180.0	5629.7	4327.8	3351.0	2742.5	2495.0	2423.4	2396.5	2405.5
6973.4	35°	6798.9	6761.6	6005.5	4260.7	3046.8	2471.1	2274.3	2213.1	2160.9	2149.0
7411.8	37.5°	7255.2	7240.3	6287.4	4166.7	2745.5	2278.7	2096.8	2016.3	1940.2	1898.4
7896.5	40°	7756.3	7741.4	6472.3	4022.1	2478.6	2111.7	1937.2	1831.3	1737.4	1661.3
8445.3	42.5°	8320.0	8232.0	6560.3	3814.8	2251.9	1970.0	1807.5	1664.3	1540.5	1470.4
9065.7	45°	8935.9	8737.6	6558.8	3550.8	2061.0	1840.3	1668.8	1466.0	1351.1	1285.5
9702.5	47.5°	9589.1	9220.8	6478.3	3258.5	1876.1	1697.1	1454.0	1298.9	1222.9	1182.6
10394.4	50°	10263.2	9672.7	6341.1	2923.0	1686.7	1534.6	1319.8	1213.9	1155.8	1118.5
11080.5	52.5°	10897.0	10082.8	6175.5	2542.7	1494.3	1376.5	1260.2	1178.1	1117.0	1075.2
11745.6	55°	11486.1	10436.2	5941.4	2153.5	1337.7	1270.6	1231.8	1163.2	1093.1	1043.9
12421.1	57.5°	12009.5	10665.9	5537.2	1788.1	1225.9	1197.5	1202.0	1137.9	1057.3	1015.6
13086.3	60°	12445.0	10834.4	4939.2	1449.6	1134.9	1125.9	1155.8	1090.1	996.2	948.5
13648.5	62.5°	12706.0	10831.4	4205.5	1187.1	1057.3	1060.3	1094.6	1030.5	935.1	890.3
13942.3	65°	12683.6	10565.9	3400.2	1015.6	982.8	985.8	1030.5	964.9	884.3	857.5
13794.6	67.5°	12234.7	9918.7	2608.3	903.7	900.8	914.2	966.4	920.1	853.0	850.0
12914.8	70°	11019.3	8575.0	1879.1	814.3	815.7	835.1	903.7	891.8	836.6	842.6
10858.2	72.5°	8836.0	6537.9	1261.7	720.3	721.8	753.1	844.1	869.4	820.2	899.3
7704.1	75°	5884.7	4077.2	811.3	620.4	621.9	662.1	791.9	826.2	775.5	896.3
4008.6	77.5°	2827.5	1832.8	587.6	522.0	522.0	559.2	684.5	739.7	660.7	696.4
1288.5	80°	976.8	689.0	462.3	420.6	411.6	437.0	577.1	641.3	569.7	524.9
420.6	82.5°	384.8	357.9	371.3	326.6	296.8	313.2	448.9	529.4	419.1	378.8
237.1	85°	220.7	232.6	262.5	216.2	171.5	192.4	329.6	380.3	316.2	278.9
77.5	87.5°	59.7	82.0	120.8	111.8	77.5	82.0	156.6	210.3	181.9	140.2
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°
3148.2
3228.7
3356.9
3512.0
3655.2
3705.9
3707.4
3641.8
3488.2
3270.4
3042.3
2833.5
2648.6
2417.4
2157.9
1899.9
1668.8
1474.9
1282.5
1173.7
1105.1
1057.3
1024.5
988.7
927.6
876.9
856.0
854.5
841.1
911.2
903.7
638.3
492.1
377.3
284.8
144.7
0.0

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