

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: P847593

Luminaire Tested: **GLAN-SB3D-735-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847593  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3D-735-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29699 lumens  
Efficiency: N/A  
Efficacy: 136.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G5

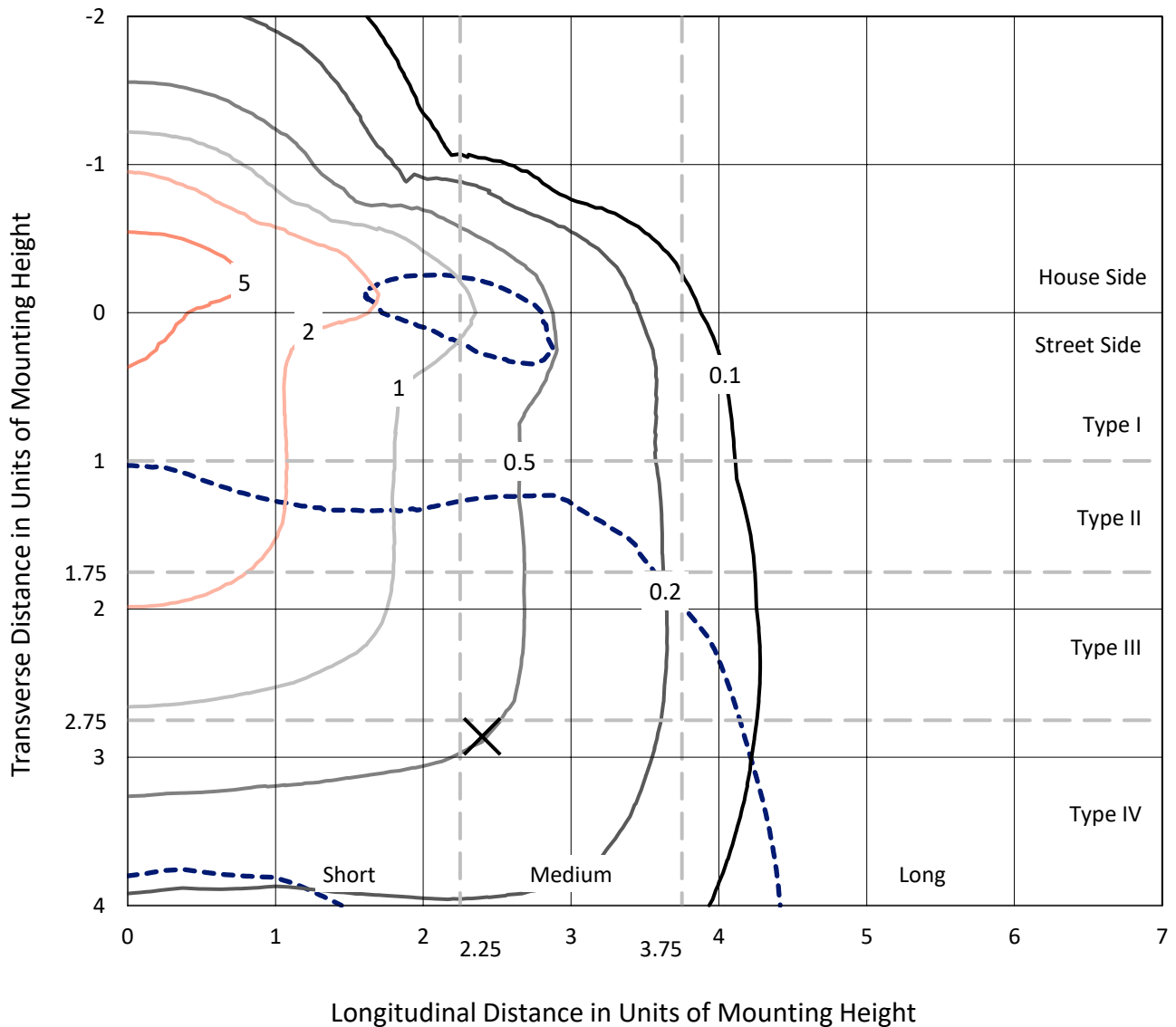
Input Watts (W): 218.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

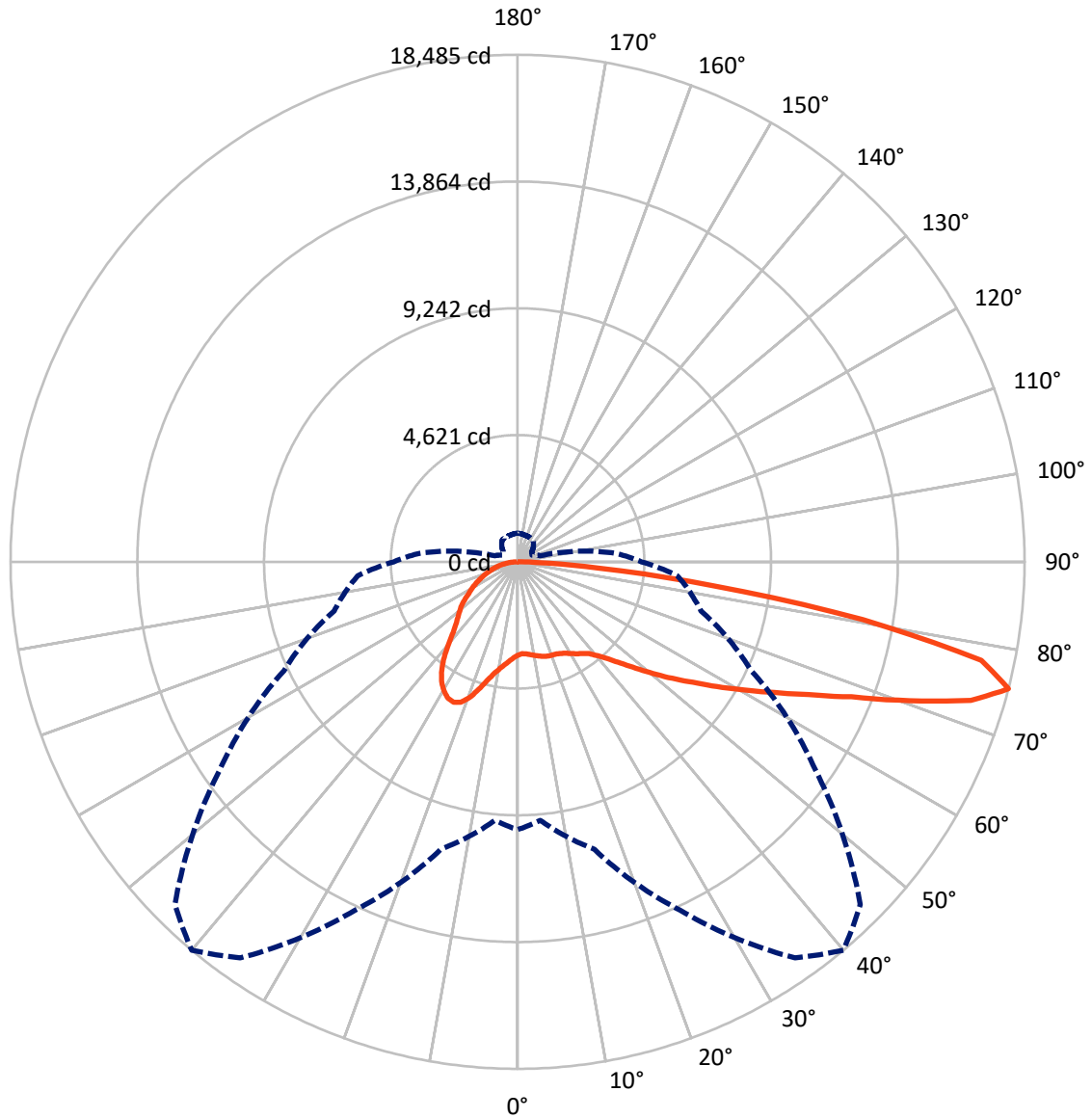
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9201.7	0.0	9201.7
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	20497.3	0.0	20497.3
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	29699.0	0.0	29699.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	339.0	1.1
10°-20°	1138.2	3.8
20°-30°	2078.2	7.0
30°-40°	2947.5	9.9
40°-50°	3980.0	13.4
50°-60°	5354.1	18.0
60°-70°	6795.6	22.9
70°-80°	6167.4	20.8
80°-90°	899.0	3.0
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°	29699.0	100.0
0°-180°	29699.0	100.0

**Coefficient of Utilization**

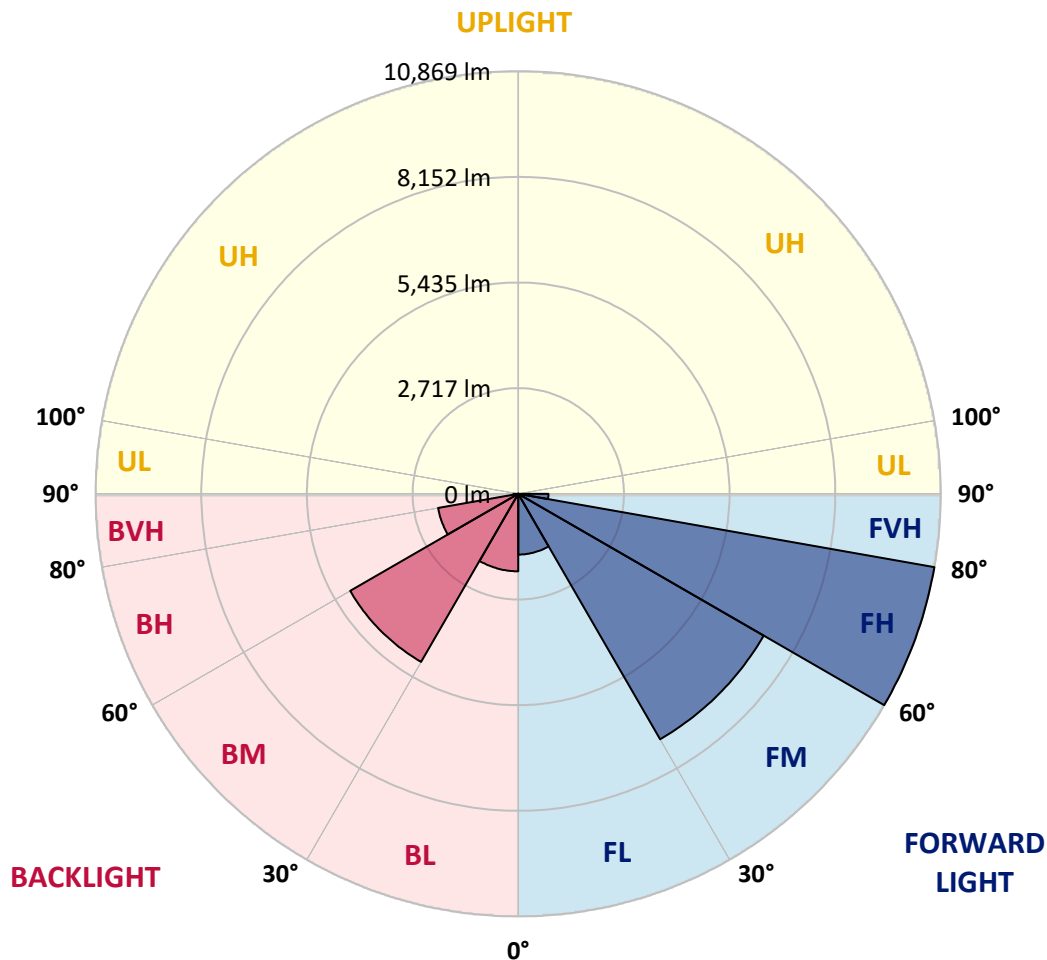


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1562.2	5.3			
FM (30°-60°)	7290.4	24.5			
FH (60°-80°)	10869.4	36.6			G4/12000
FVH (80°-90°)	775.2	2.6			G5
BL (0°-30°)	1993.2	6.7	B3/2500		
BM (30°-60°)	4991.1	16.8	B3/5000		
BH (60°-80°)	2093.7	7.0	B3/2500		G3/2500
BVH (80°-90°)	123.8	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	3396.1	3396.1	3396.1	3396.1	3396.1	3396.1	3396.1	3396.1	3396.1	3396.1
2.5°	3344.1	3363.0	3358.3	3352.0	3352.0	3353.6	3352.0	3363.0	3374.1	3385.1
5°	3378.8	3397.7	3388.2	3380.4	3374.1	3372.5	3367.8	3366.2	3372.5	3386.7
7.5°	3446.5	3465.4	3451.3	3437.1	3424.5	3418.2	3411.9	3402.4	3397.7	3405.6
10°	3522.1	3541.0	3523.7	3498.5	3478.0	3470.2	3463.9	3454.4	3448.1	3452.8
12.5°	3597.7	3616.6	3593.0	3558.4	3531.6	3526.9	3519.0	3515.8	3514.3	3512.7
15°	3668.6	3684.4	3654.5	3613.5	3585.1	3577.3	3569.4	3574.1	3582.0	3591.4
17.5°	3723.8	3739.5	3695.4	3641.9	3615.1	3611.9	3607.2	3622.9	3645.0	3668.6
20°	3774.2	3789.9	3733.2	3660.8	3629.2	3629.2	3630.8	3663.9	3695.4	3730.1
22.5°	3845.1	3857.7	3788.3	3689.1	3643.4	3646.6	3659.2	3692.3	3731.6	3778.9
25°	3950.6	3960.0	3875.0	3742.7	3690.7	3700.1	3711.2	3726.9	3764.7	3819.8
27.5°	4120.7	4128.6	4016.7	3837.2	3758.4	3774.2	3789.9	3778.9	3796.2	3843.5
30°	4360.1	4364.9	4223.1	3985.2	3873.4	3881.3	3884.4	3838.7	3805.7	3843.5
32.5°	4643.7	4642.1	4473.6	4164.8	4004.1	3996.3	3969.5	3879.7	3802.5	3835.6
35°	5083.2	5065.8	4848.4	4416.8	4152.2	4103.4	4040.4	3925.4	3818.3	3827.7
37.5°	5810.9	5757.3	5456.5	4829.5	4372.7	4248.3	4155.4	3999.4	3852.9	3824.6
40°	6631.6	6563.8	6233.0	5395.0	4703.5	4503.5	4353.8	4105.0	3909.6	3838.7
42.5°	7605.0	7509.0	7153.0	6061.4	5122.5	4832.7	4607.4	4238.8	3993.1	3884.4
45°	8800.6	8673.0	8169.0	6812.7	5650.2	5264.3	4963.4	4442.0	4120.7	3972.6
47.5°	10008.8	10040.3	9323.6	7672.8	6283.5	5796.7	5409.2	4747.6	4306.6	4114.4
50°	11292.6	11314.6	10471.9	8625.8	7001.7	6398.4	5910.1	5089.5	4564.9	4316.0
52.5°	12294.4	12297.5	11514.7	9622.9	7750.0	7060.0	6450.4	5480.1	4864.2	4583.8
55°	12921.3	12913.4	12245.6	10566.4	8610.0	7754.7	7049.0	5924.3	5229.6	4898.9
57.5°	13376.6	13352.9	12749.6	11377.6	9526.8	8575.4	7726.3	6428.4	5661.3	5273.8
60°	13549.8	13535.6	13091.4	12078.6	10490.8	9482.7	8507.6	6992.3	6151.1	5716.4
62.5°	13616.0	13642.8	13427.0	12757.5	11522.6	10487.6	9366.1	7666.5	6702.5	6217.3
65°	13849.1	13897.9	13853.8	13645.9	12688.2	11664.3	10505.0	8468.2	7304.2	6754.4
67.5°	14310.6	14359.5	14378.4	14709.2	14112.2	13130.8	11925.8	9466.9	8008.3	7312.1
70°	14299.6	14285.4	14619.4	15555.0	15895.3	15161.3	13841.2	10695.6	8847.9	7775.2
72.5°	13015.8	12902.4	13691.6	15545.6	17379.1	17281.5	16180.4	12280.2	9572.5	7831.9
75°	9764.6	9462.2	10856.2	14009.8	17626.4	18484.9	17667.4	13263.1	9400.8	6919.8
77.5°	4175.8	3871.8	5514.8	10371.1	15775.6	17279.9	16303.3	11571.4	7504.2	4575.9
80°	1093.2	1091.6	1666.6	4702.0	10728.7	12760.7	11194.9	7472.7	4287.7	1635.1
82.5°	452.1	441.1	612.8	1828.8	5242.2	7160.8	5844.0	3333.1	1548.4	442.6
85°	168.5	167.0	297.7	631.7	1849.3	2953.5	2137.5	852.2	385.9	215.8
87.5°	47.3	45.7	64.6	219.0	450.5	683.6	365.4	140.2	108.7	85.1
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°
3396.1	0°	3396.1	3396.1	3396.1	3396.1	3396.1	3396.1	3396.1	3396.1	3396.1	3396.1
3402.4	2.5°	3407.1	3415.0	3429.2	3440.2	3454.4	3470.2	3492.2	3506.4	3520.6	3530.0
3410.3	5°	3421.3	3438.7	3474.9	3511.1	3553.6	3593.0	3638.7	3671.8	3698.6	3706.4
3438.7	7.5°	3452.8	3481.2	3542.6	3604.0	3671.8	3736.4	3802.5	3859.2	3904.9	3922.2
3489.1	10°	3508.0	3545.8	3632.4	3719.0	3808.8	3908.1	3993.1	4075.0	4139.6	4166.4
3548.9	12.5°	3577.3	3624.5	3737.9	3857.7	3982.1	4119.1	4229.4	4330.2	4410.5	4446.8
3632.4	15°	3667.1	3728.5	3873.4	4034.1	4216.8	4407.4	4547.6	4659.4	4749.2	4793.3
3719.0	17.5°	3764.7	3846.6	4029.3	4271.9	4533.4	4783.9	4947.7	5029.6	5122.5	5165.1
3799.4	20°	3859.2	3960.0	4221.5	4574.4	4922.5	5188.7	5321.0	5343.1	5349.4	5354.1
3875.0	22.5°	3956.9	4092.4	4462.5	4955.6	5328.9	5513.2	5532.1	5437.6	5305.3	5243.8
3949.0	25°	4064.0	4243.6	4777.6	5376.1	5678.6	5700.6	5555.7	5325.7	5075.3	4960.3
4008.9	27.5°	4168.0	4418.4	5155.6	5777.8	5930.6	5736.9	5425.0	5098.9	4796.5	4675.2
4051.4	30°	4271.9	4618.5	5573.0	6129.1	6045.6	5647.1	5218.6	4854.8	4550.7	4423.1
4089.2	32.5°	4377.5	4851.6	6053.5	6382.7	6025.1	5456.5	4961.9	4580.7	4312.9	4179.0
4122.3	35°	4497.2	5138.3	6508.7	6521.3	5888.1	5176.1	4623.2	4253.0	4019.9	3912.8
4161.7	37.5°	4653.1	5502.2	6910.4	6556.0	5648.6	4765.0	4202.6	3865.5	3673.4	3624.5
4219.9	40°	4846.9	5940.1	7217.5	6500.8	5294.2	4265.6	3742.7	3473.3	3364.6	3375.6
4298.7	42.5°	5098.9	6429.9	7433.3	6359.1	4801.2	3750.5	3339.4	3219.7	3271.7	3315.8
4416.8	45°	5426.5	6938.7	7567.2	6118.1	4243.6	3314.2	3101.6	3129.9	3169.3	3174.0
4607.4	47.5°	5845.5	7453.8	7655.4	5754.2	3674.9	3007.0	2950.3	2956.6	2948.8	2915.7
4892.6	50°	6368.5	7954.7	7734.2	5272.2	3191.3	2814.9	2739.3	2717.2	2608.5	2501.4
5272.2	52.5°	6963.9	8414.7	7767.3	4673.6	2814.9	2654.2	2531.3	2392.7	2189.5	2156.4
5749.5	55°	7625.5	8840.0	7682.2	3938.0	2498.3	2447.9	2262.0	2095.0	2073.0	2044.6
6378.0	57.5°	8416.3	9298.4	7509.0	3117.3	2173.8	2206.8	2025.7	2044.6	2005.2	1961.1
7186.0	60°	9281.0	9772.5	7204.9	2369.1	1838.3	1906.0	1964.3	1962.7	1951.7	1915.4
8038.2	62.5°	10059.2	10084.4	6606.4	1814.6	1543.7	1672.9	1832.0	1830.4	1820.9	1800.4
8928.2	65°	10522.3	10037.1	5607.7	1428.7	1301.1	1480.7	1652.4	1665.0	1666.6	1665.0
9597.7	67.5°	10440.4	9484.2	4237.3	1137.3	1101.1	1285.4	1474.4	1491.7	1504.3	1507.5
9682.7	70°	9514.2	8269.8	2762.9	907.3	923.1	1113.7	1305.8	1323.2	1334.2	1346.8
8402.1	72.5°	7416.0	6080.3	1581.5	734.0	767.1	965.6	1138.9	1159.3	1165.6	1189.3
5847.1	75°	4519.2	3575.7	853.8	578.1	630.1	825.4	973.5	997.1	1008.1	1036.5
2871.6	77.5°	2148.6	1548.4	486.7	450.5	507.2	674.2	822.3	849.0	819.1	834.9
792.3	80°	726.2	574.9	307.2	343.4	387.5	526.1	658.4	685.2	622.2	619.1
263.1	82.5°	253.6	233.1	195.3	228.4	250.5	376.5	497.8	532.4	463.1	461.5
118.1	85°	99.2	94.5	108.7	124.4	149.6	231.6	327.6	345.0	285.1	230.0
34.7	87.5°	20.5	22.1	26.8	28.4	45.7	80.3	118.1	144.9	115.0	97.7
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°
3396.1
3523.7
3709.6
3923.8
4168.0
4446.8
4790.2
5163.5
5366.7
5261.2
4977.6
4689.4
4437.3
4196.3
3936.4
3659.2
3413.4
3356.7
3205.5
2940.9
2515.6
2167.5
2049.3
1953.2
1902.8
1792.6
1665.0
1510.6
1353.1
1198.7
1039.6
822.3
612.8
439.5
226.8
89.8
0.0

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