

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: P847663

Luminaire Tested: **GLAN-SB3D-840-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847663
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-840-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 4000K, 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: 26915 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

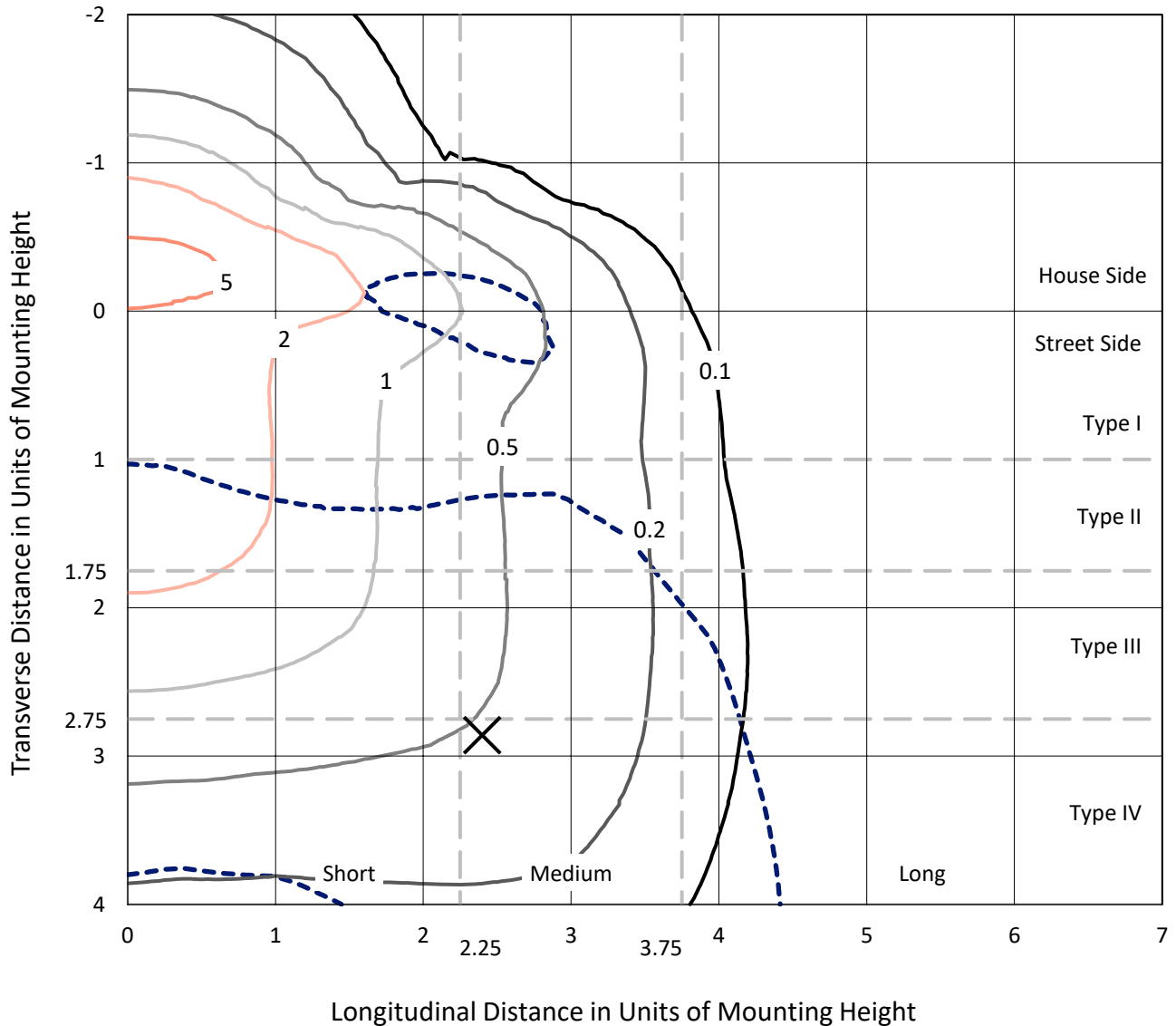
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

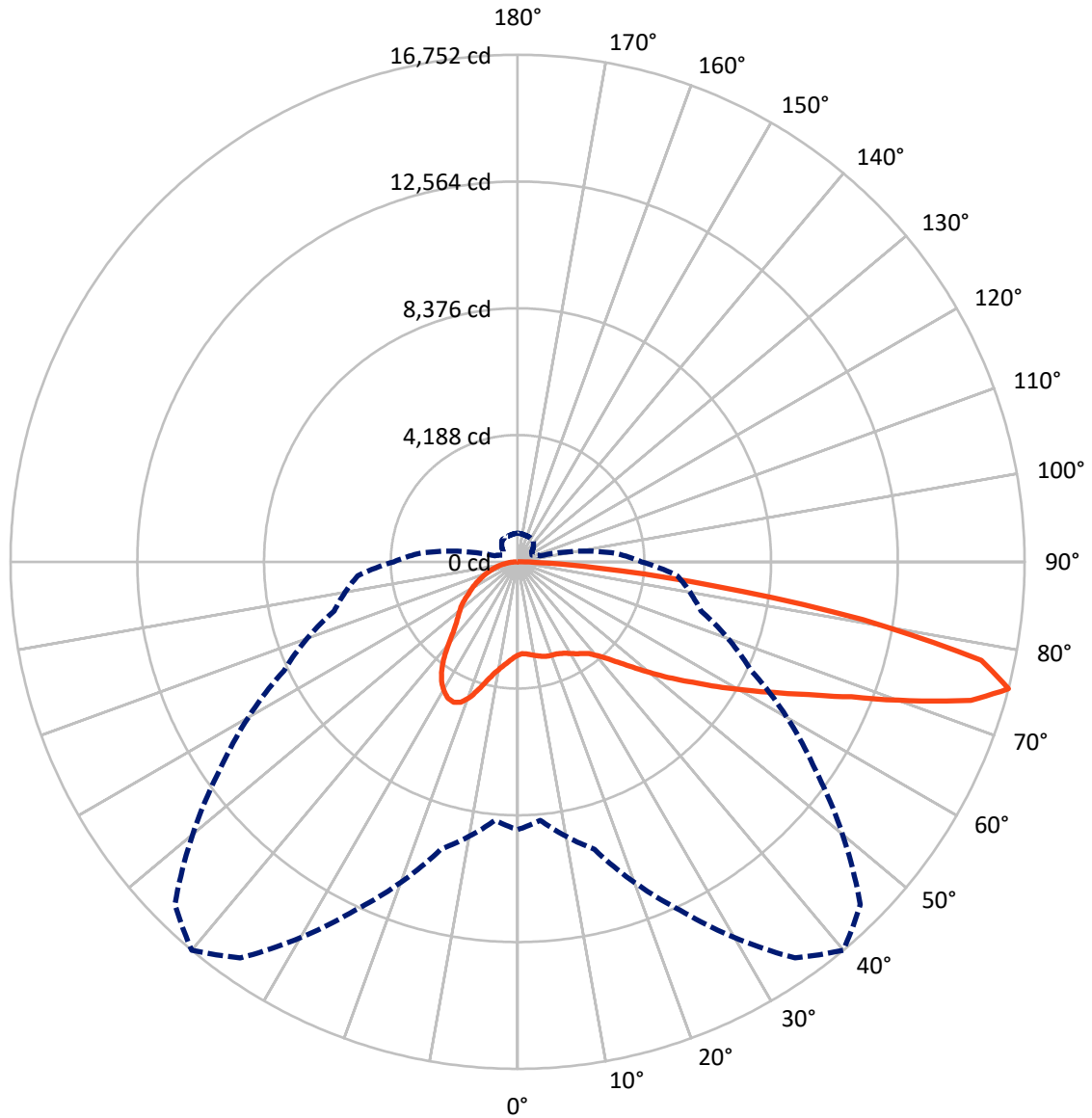
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 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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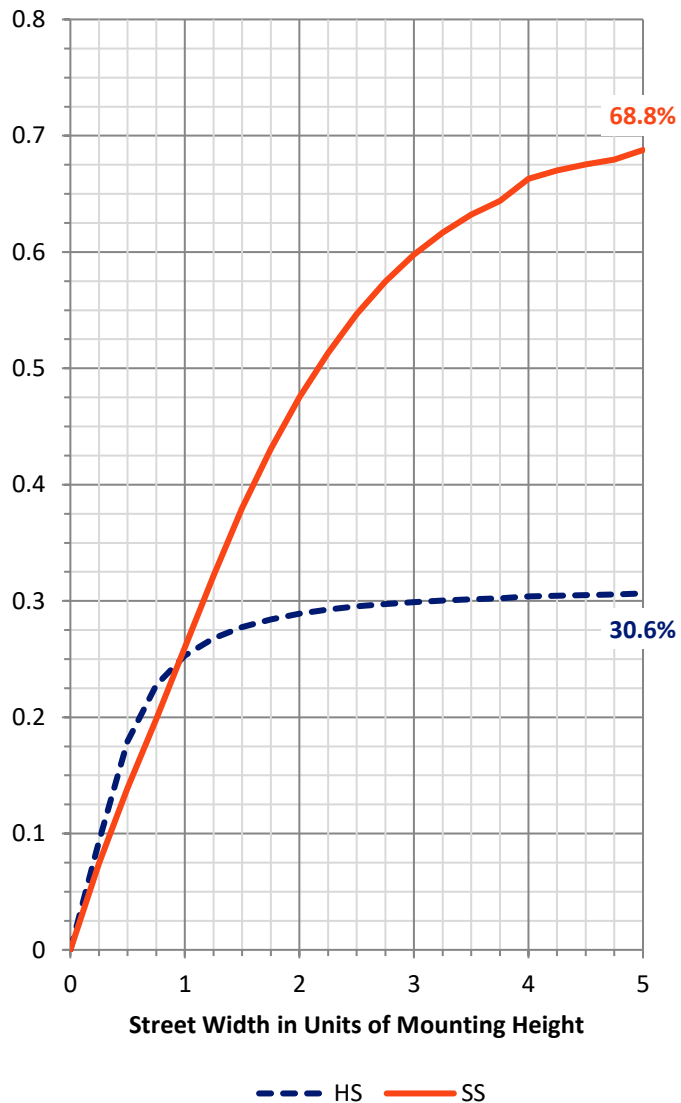
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8339.2	0.0	8339.2
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	18575.8	0.0	18575.8
	% Fixture	69.0	0.0	69.0
Total	Lumens	26915.0	0.0	26915.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	307.2	1.1
10°-20°	1031.5	3.8
20°-30°	1883.4	7.0
30°-40°	2671.2	9.9
40°-50°	3606.9	13.4
50°-60°	4852.2	18.0
60°-70°	6158.6	22.9
70°-80°	5589.3	20.8
80°-90°	814.7	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°	26915.0	100.0
0°-180°	26915.0	100.0

Coefficient of Utilization

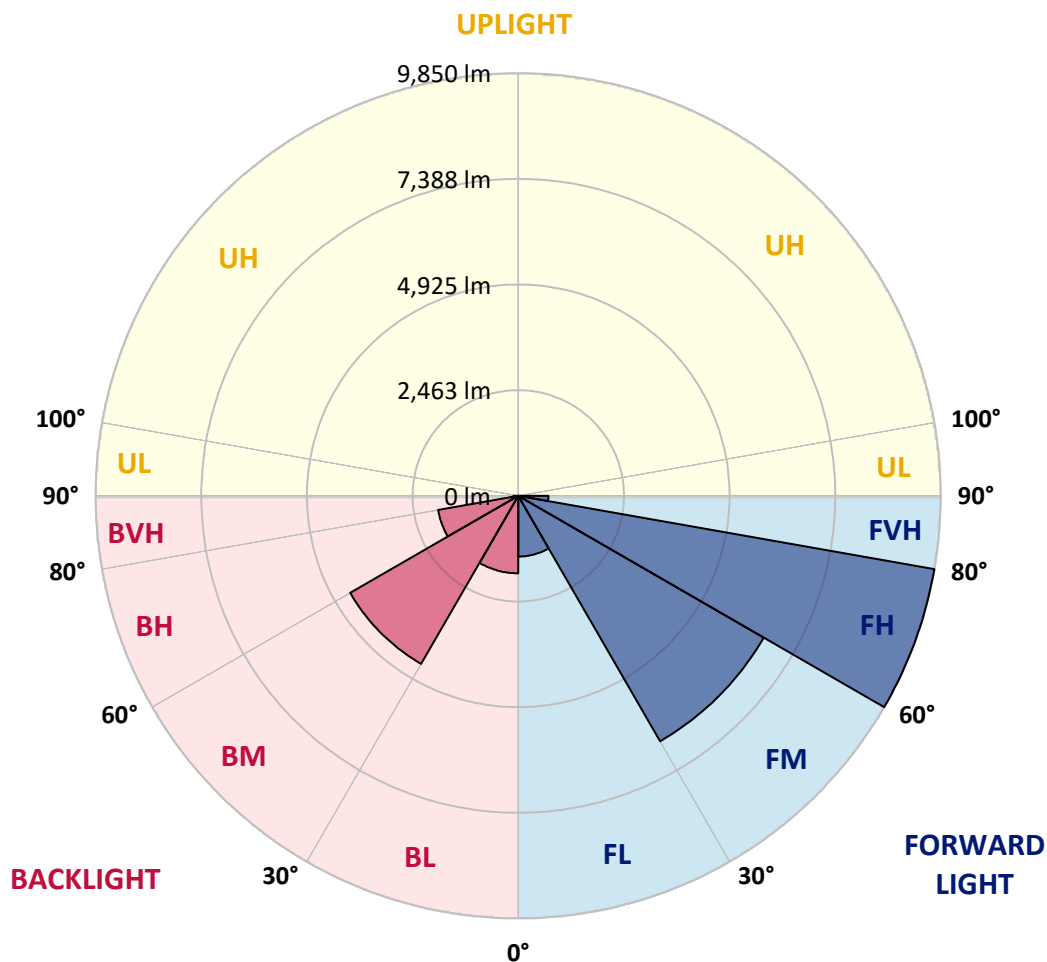


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1415.8	5.3			
FM (30°-60°)	6607.0	24.5			
FH (60°-80°)	9850.5	36.6			G4/12000
FVH (80°-90°)	702.6	2.6			G4/750
BL (0°-30°)	1806.3	6.7	B3/2500		
BM (30°-60°)	4523.2	16.8	B3/5000		
BH (60°-80°)	1897.4	7.0	B3/2500		G3/2500
BVH (80°-90°)	112.2	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-G4
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	3077.8	3077.8	3077.8	3077.8	3077.8	3077.8	3077.8	3077.8	3077.8	3077.8
2.5°	3030.7	3047.8	3043.5	3037.8	3037.8	3039.2	3037.8	3047.8	3057.8	3067.8
5°	3062.1	3079.2	3070.6	3063.5	3057.8	3056.4	3052.1	3050.6	3056.4	3069.2
7.5°	3123.4	3140.6	3127.7	3114.9	3103.5	3097.8	3092.0	3083.5	3079.2	3086.3
10°	3192.0	3209.1	3193.4	3170.6	3152.0	3144.9	3139.2	3130.6	3124.9	3129.2
12.5°	3260.5	3277.6	3256.2	3224.8	3200.5	3196.3	3189.1	3186.3	3184.8	3183.4
15°	3324.7	3339.0	3311.9	3274.8	3249.1	3241.9	3234.8	3239.1	3246.2	3254.8
17.5°	3374.7	3389.0	3349.0	3300.5	3276.2	3273.3	3269.1	3283.3	3303.3	3324.7
20°	3420.4	3434.6	3383.3	3317.6	3289.0	3289.0	3290.5	3320.4	3349.0	3380.4
22.5°	3484.6	3496.0	3433.2	3343.3	3301.9	3304.7	3316.2	3346.1	3381.8	3424.7
25°	3580.3	3588.8	3511.7	3391.8	3344.7	3353.3	3363.3	3377.5	3411.8	3461.8
27.5°	3734.4	3741.6	3640.2	3477.5	3406.1	3420.4	3434.6	3424.7	3440.4	3483.2
30°	3951.4	3955.7	3827.2	3611.7	3510.3	3517.4	3520.3	3478.9	3448.9	3483.2
32.5°	4208.4	4206.9	4054.2	3774.4	3628.8	3621.7	3597.4	3516.0	3446.1	3476.0
35°	4606.7	4591.0	4394.0	4002.8	3763.0	3718.7	3661.6	3557.4	3460.3	3468.9
37.5°	5266.2	5217.6	4945.0	4376.8	3962.8	3850.1	3765.8	3624.5	3491.8	3466.1
40°	6009.9	5948.5	5648.8	4889.3	4262.6	4081.3	3945.7	3720.2	3543.1	3478.9
42.5°	6892.1	6805.1	6482.4	5493.2	4642.3	4379.7	4175.5	3841.5	3618.8	3520.3
45°	7975.6	7860.0	7403.2	6174.1	5120.6	4770.8	4498.2	4025.6	3734.4	3600.2
47.5°	9070.6	9099.1	8449.6	6953.5	5694.4	5253.3	4902.2	4302.6	3902.9	3728.7
50°	10234.0	10254.0	9490.3	7817.2	6345.4	5798.6	5356.1	4612.4	4137.0	3911.4
52.5°	11141.9	11144.8	10435.3	8720.8	7023.5	6398.2	5845.8	4966.4	4408.2	4154.1
55°	11710.1	11702.9	11097.7	9575.9	7802.9	7027.8	6388.2	5369.0	4739.4	4439.6
57.5°	12122.6	12101.2	11554.5	10311.1	8633.7	7771.5	7002.1	5825.8	5130.6	4779.4
60°	12279.7	12266.8	11864.2	10946.3	9507.4	8593.8	7710.1	6336.8	5574.5	5180.5
62.5°	12339.6	12363.9	12168.3	11561.6	10442.4	9504.5	8488.1	6947.8	6074.2	5634.5
65°	12550.9	12595.1	12555.2	12366.7	11498.8	10570.9	9520.2	7674.4	6619.5	6121.3
67.5°	12969.2	13013.4	13030.5	13330.3	12789.3	11899.9	10807.9	8579.5	7257.6	6626.6
70°	12959.2	12946.3	13249.0	14096.9	14405.3	13740.0	12543.8	9693.0	8018.5	7046.3
72.5°	11795.7	11692.9	12408.1	14088.3	15750.0	15661.5	14663.6	11129.1	8675.1	7097.7
75°	8849.3	8575.2	9838.6	12696.5	15974.1	16752.1	16011.2	12019.8	8519.5	6271.2
77.5°	3784.4	3508.9	4997.8	9398.9	14296.8	15660.1	14775.0	10486.7	6800.8	4147.0
80°	990.7	989.3	1510.3	4261.2	9722.9	11564.5	10145.5	6772.2	3885.8	1481.8
82.5°	409.7	399.7	555.3	1657.4	4750.8	6489.6	5296.2	3020.7	1403.3	401.1
85°	152.7	151.3	269.8	572.4	1675.9	2676.6	1937.2	772.3	349.7	195.6
87.5°	42.8	41.4	58.5	198.4	408.3	619.6	331.2	127.1	98.5	77.1
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°
3077.8	0°	3077.8	3077.8	3077.8	3077.8	3077.8	3077.8	3077.8	3077.8	3077.8	3077.8
3083.5	2.5°	3087.8	3094.9	3107.7	3117.7	3130.6	3144.9	3164.8	3177.7	3190.5	3199.1
3090.6	5°	3100.6	3116.3	3149.1	3182.0	3220.5	3256.2	3297.6	3327.6	3351.9	3359.0
3116.3	7.5°	3129.2	3154.9	3210.5	3266.2	3327.6	3386.1	3446.1	3497.5	3538.9	3554.6
3162.0	10°	3179.1	3213.4	3291.9	3370.4	3451.8	3541.7	3618.8	3693.0	3751.6	3775.8
3216.2	12.5°	3241.9	3284.8	3387.5	3496.0	3608.8	3733.0	3832.9	3924.3	3997.1	4029.9
3291.9	15°	3323.3	3379.0	3510.3	3655.9	3821.5	3994.2	4121.3	4222.6	4304.0	4344.0
3370.4	17.5°	3411.8	3486.0	3651.6	3871.5	4108.4	4335.4	4483.9	4558.1	4642.3	4680.9
3443.2	20°	3497.5	3588.8	3825.8	4145.6	4461.0	4702.3	4822.2	4842.2	4847.9	4852.2
3511.7	22.5°	3586.0	3708.7	4044.2	4491.0	4829.4	4996.4	5013.5	4927.9	4807.9	4752.3
3578.8	25°	3683.0	3845.8	4329.7	4872.2	5146.3	5166.3	5034.9	4826.5	4599.5	4495.3
3633.1	27.5°	3777.3	4004.2	4672.3	5236.2	5374.7	5199.1	4916.4	4620.9	4346.8	4236.9
3671.6	30°	3871.5	4185.5	5050.6	5554.5	5478.9	5117.7	4729.4	4399.7	4124.1	4008.5
3705.9	32.5°	3967.1	4396.8	5486.0	5784.4	5460.3	4945.0	4496.7	4151.3	3908.6	3787.3
3735.9	35°	4075.6	4656.6	5898.6	5910.0	5336.1	4690.9	4189.8	3854.3	3643.1	3546.0
3771.5	37.5°	4216.9	4986.4	6262.6	5941.4	5119.1	4318.3	3808.7	3503.2	3329.0	3284.8
3824.4	40°	4392.5	5383.2	6541.0	5891.4	4797.9	3865.8	3391.8	3147.7	3049.2	3059.2
3895.7	42.5°	4620.9	5827.2	6736.5	5763.0	4351.1	3399.0	3026.4	2917.9	2965.0	3005.0
4002.8	45°	4917.9	6288.3	6857.9	5544.5	3845.8	3003.5	2810.8	2836.5	2872.2	2876.5
4175.5	47.5°	5297.6	6755.1	6937.8	5214.8	3330.4	2725.2	2673.8	2679.5	2672.3	2642.4
4433.9	50°	5771.5	7209.1	7009.2	4778.0	2892.2	2551.0	2482.5	2462.5	2364.0	2266.9
4778.0	52.5°	6311.1	7625.9	7039.2	4235.5	2551.0	2405.4	2294.0	2168.4	1984.3	1954.3
5210.5	55°	6910.7	8011.3	6962.1	3568.8	2264.1	2218.4	2049.9	1898.6	1878.6	1852.9
5780.1	57.5°	7627.3	8426.7	6805.1	2825.1	1970.0	2000.0	1835.8	1852.9	1817.3	1777.3
6512.4	60°	8411.0	8856.4	6529.5	2147.0	1665.9	1727.3	1780.1	1778.7	1768.7	1735.9
7284.7	62.5°	9116.2	9139.1	5987.1	1644.5	1399.0	1516.0	1660.2	1658.8	1650.2	1631.7
8091.3	65°	9535.9	9096.3	5082.0	1294.8	1179.1	1341.9	1497.5	1508.9	1510.3	1508.9
8698.0	67.5°	9461.7	8595.2	3840.1	1030.7	997.8	1164.9	1336.2	1351.9	1363.3	1366.2
8775.1	70°	8622.3	7494.6	2503.9	822.3	836.5	1009.3	1183.4	1199.1	1209.1	1220.5
7614.5	72.5°	6720.8	5510.3	1433.2	665.2	695.2	875.1	1032.1	1050.7	1056.4	1077.8
5299.0	75°	4095.6	3240.5	773.7	523.9	571.0	748.0	882.2	903.6	913.6	939.3
2602.4	77.5°	1947.2	1403.3	441.1	408.3	459.7	611.0	745.2	769.4	742.3	756.6
718.1	80°	658.1	521.1	278.4	311.2	351.2	476.8	596.7	621.0	563.9	561.0
238.4	82.5°	229.8	211.3	177.0	207.0	227.0	341.2	451.1	482.5	419.7	418.3
107.1	85°	89.9	85.7	98.5	112.8	135.6	209.8	296.9	312.6	258.4	208.4
31.4	87.5°	18.6	20.0	24.3	25.7	41.4	72.8	107.1	131.3	104.2	88.5
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°
3077.8
3193.4
3361.8
3556.0
3777.3
4029.9
4341.1
4679.5
4863.6
4768.0
4511.0
4249.8
4021.4
3803.0
3567.4
3316.2
3093.5
3042.1
2905.0
2665.2
2279.8
1964.3
1857.2
1770.1
1724.5
1624.5
1508.9
1369.0
1226.3
1086.4
942.2
745.2
555.3
398.3
205.6
81.4
0.0

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