

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: P849283

Luminaire Tested: **GLAN-SB6B-730-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849283
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-SB6B-730-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32697 lumens
Efficiency: N/A
Efficacy: 148.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

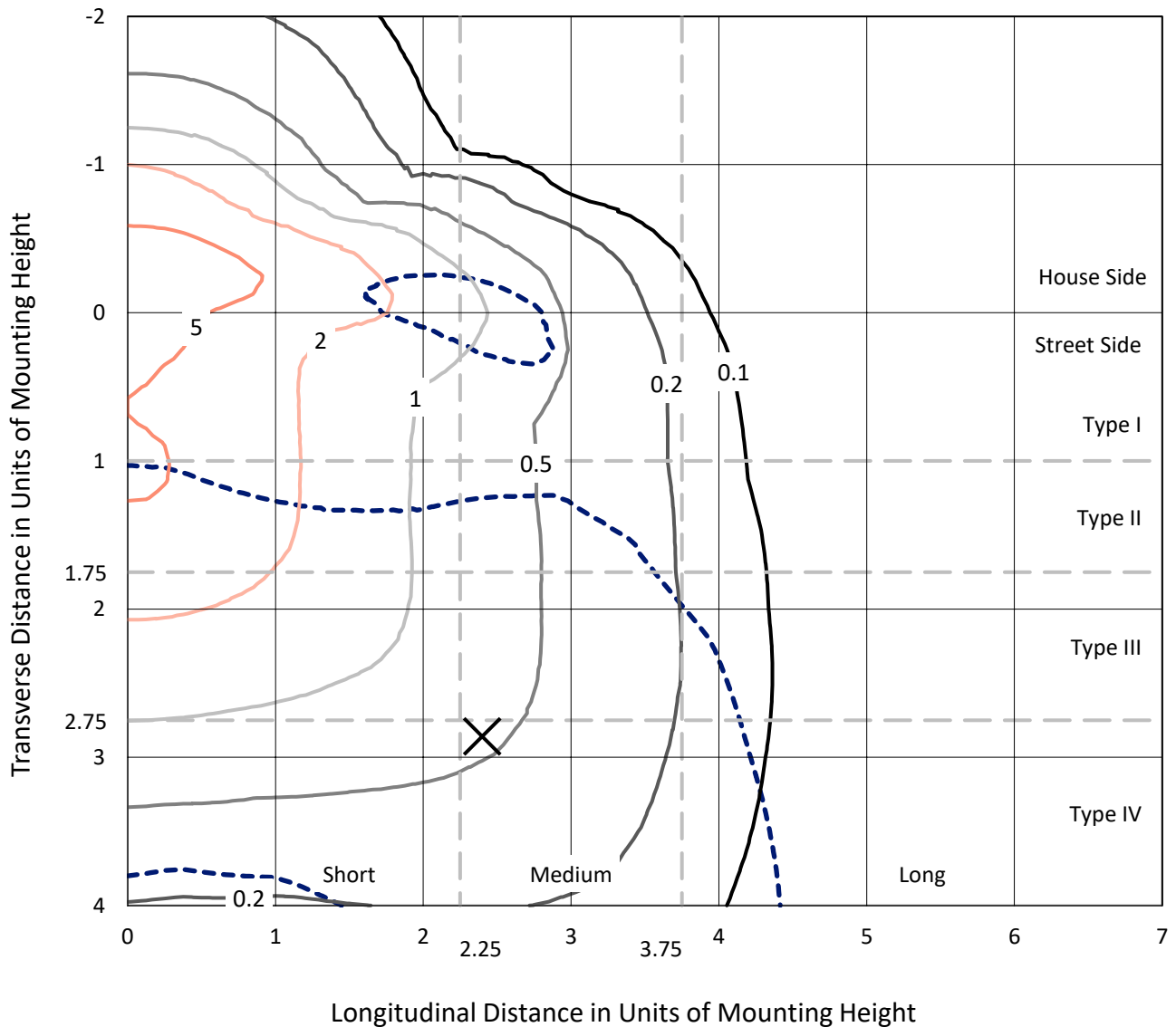
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

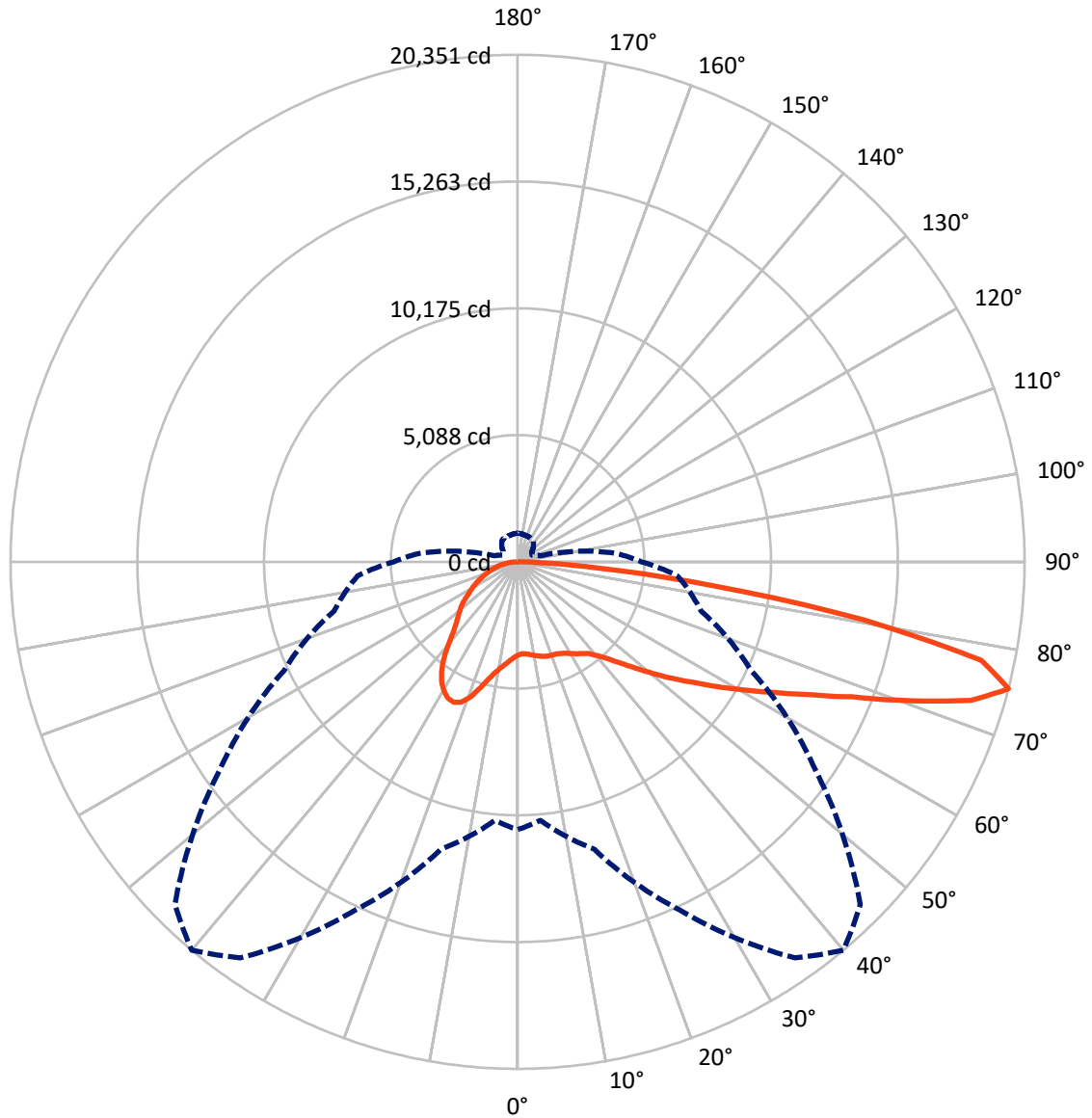
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 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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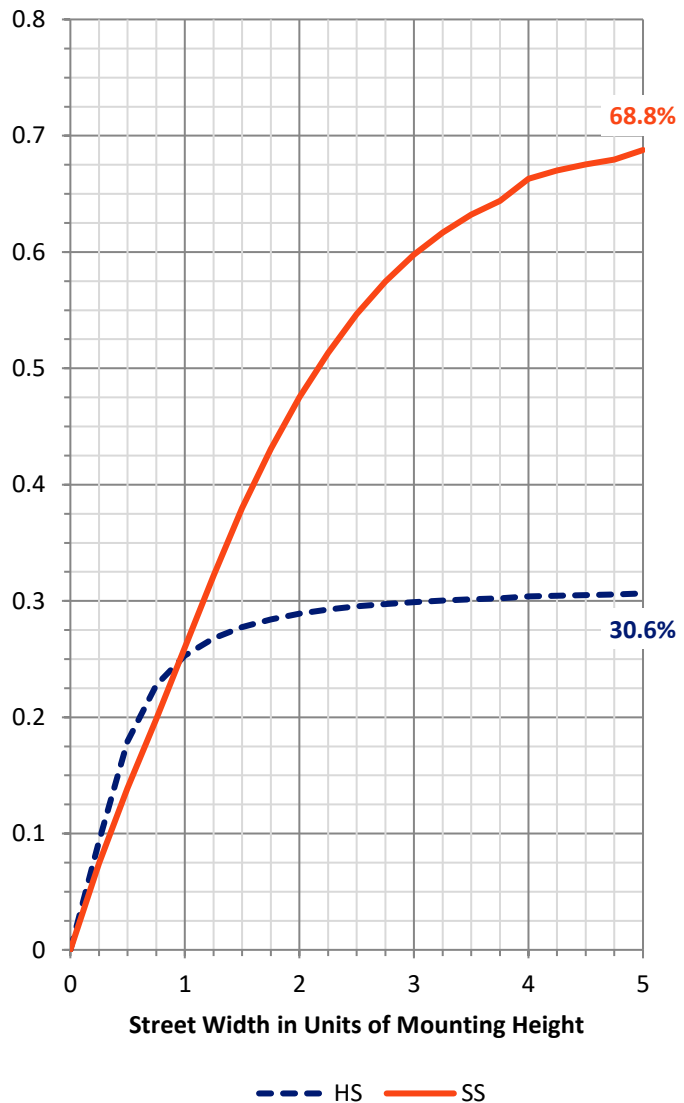
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10130.6	0.0	10130.6
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	22566.4	0.0	22566.4
	% Fixture	69.0	0.0	69.0
Total	Lumens	32697.0	0.0	32697.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	373.2	1.1
10°-20°	1253.1	3.8
20°-30°	2288.0	7.0
30°-40°	3245.0	9.9
40°-50°	4381.7	13.4
50°-60°	5894.6	18.0
60°-70°	7481.6	22.9
70°-80°	6790.0	20.8
80°-90°	989.8	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°	32697.0	100.0
0°-180°	32697.0	100.0

Coefficient of Utilization

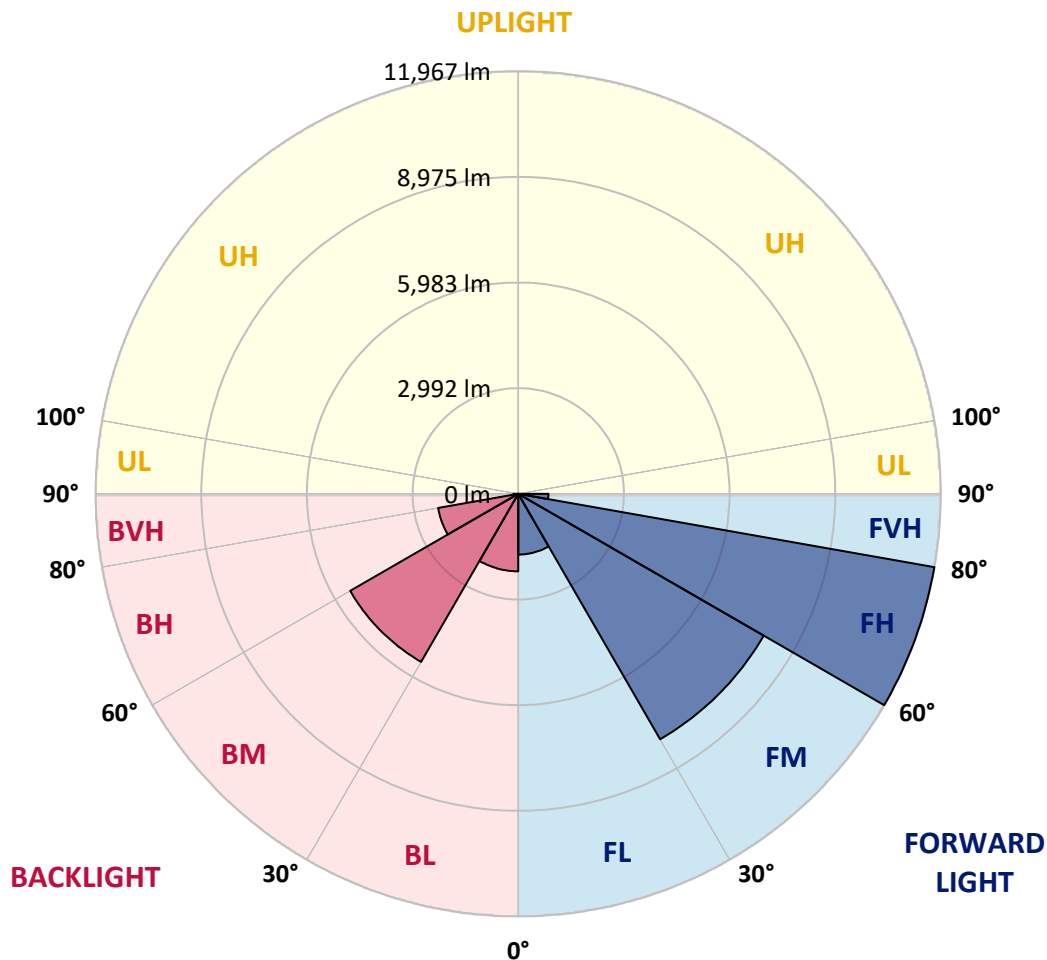


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1719.9	5.3			
FM (30°-60°)	8026.4	24.5			
FH (60°-80°)	11966.6	36.6			G4/12000
FVH (80°-90°)	853.5	2.6			G5
BL (0°-30°)	2194.4	6.7	B3/2500		
BM (30°-60°)	5495.0	16.8	B4/8500		
BH (60°-80°)	2305.0	7.0	B3/2500		G3/2500
BVH (80°-90°)	136.3	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	3738.9	3738.9	3738.9	3738.9	3738.9	3738.9	3738.9	3738.9	3738.9	3738.9
2.5°	3681.7	3702.5	3697.3	3690.4	3690.4	3692.1	3690.4	3702.5	3714.7	3726.8
5°	3719.9	3740.7	3730.3	3721.6	3714.7	3712.9	3707.7	3706.0	3712.9	3728.5
7.5°	3794.4	3815.3	3799.6	3784.0	3770.2	3763.2	3756.3	3745.9	3740.7	3749.4
10°	3877.7	3898.5	3879.4	3851.7	3829.1	3820.5	3813.5	3803.1	3796.2	3801.4
12.5°	3960.9	3981.7	3955.7	3917.6	3888.1	3882.9	3874.2	3870.7	3869.0	3867.3
15°	4039.0	4056.3	4023.4	3978.3	3947.1	3938.4	3929.7	3934.9	3943.6	3954.0
17.5°	4099.7	4117.0	4068.4	4009.5	3980.0	3976.5	3971.3	3988.7	4012.9	4039.0
20°	4155.2	4172.5	4110.1	4030.3	3995.6	3995.6	3997.3	4033.8	4068.4	4106.6
22.5°	4233.2	4247.1	4170.8	4061.5	4011.2	4014.7	4028.6	4065.0	4108.3	4160.4
25°	4349.4	4359.8	4266.1	4120.5	4063.2	4073.6	4085.8	4103.1	4144.7	4205.4
27.5°	4536.7	4545.4	4422.2	4224.5	4137.8	4155.2	4172.5	4160.4	4179.4	4231.5
30°	4800.3	4805.5	4649.4	4387.5	4264.4	4273.1	4276.5	4226.3	4189.8	4231.5
32.5°	5112.4	5110.7	4925.1	4585.2	4408.3	4399.7	4370.2	4271.3	4186.4	4222.8
35°	5596.3	5577.2	5337.9	4862.7	4571.4	4517.6	4448.2	4321.6	4203.7	4214.1
37.5°	6397.5	6338.5	6007.3	5317.1	4814.2	4677.2	4574.8	4403.1	4241.9	4210.6
40°	7301.0	7226.4	6862.2	5939.7	5178.3	4958.1	4793.3	4519.3	4304.3	4226.3
42.5°	8372.7	8267.0	7875.0	6673.2	5639.6	5320.5	5072.5	4666.7	4396.2	4276.5
45°	9689.0	9548.5	8993.6	7500.4	6220.6	5795.7	5464.5	4890.5	4536.7	4373.7
47.5°	11019.1	11053.8	10264.8	8447.3	6917.7	6381.9	5955.3	5226.9	4741.3	4529.7
50°	12432.5	12456.8	11529.0	9496.5	7708.5	7044.3	6506.7	5603.2	5025.7	4751.7
52.5°	13535.5	13538.9	12677.0	10594.3	8532.3	7772.7	7101.6	6033.3	5355.2	5046.5
55°	14225.7	14217.0	13481.7	11633.0	9479.2	8537.5	7760.6	6522.3	5757.6	5393.4
57.5°	14726.9	14700.9	14036.7	12526.2	10488.5	9441.0	8506.3	7077.3	6232.7	5806.1
60°	14917.6	14902.0	14413.0	13297.9	11549.8	10439.9	9366.4	7698.1	6772.1	6293.4
62.5°	14990.5	15019.9	14782.4	14045.3	12685.7	11546.3	10311.6	8440.4	7379.0	6844.9
65°	15247.1	15300.9	15252.3	15023.4	13969.0	12841.8	11565.4	9323.1	8041.5	7436.3
67.5°	15755.3	15809.0	15829.8	16194.0	15536.7	14456.3	13129.7	10422.6	8816.7	8050.2
70°	15743.1	15727.5	16095.2	17125.3	17499.9	16691.7	15238.5	11775.3	9741.0	8560.0
72.5°	14329.7	14204.9	15073.7	17114.9	19133.5	19026.0	17813.8	13519.9	10538.8	8622.5
75°	10750.3	10417.4	11952.1	15424.0	19405.8	20350.9	19450.8	14602.0	10349.7	7618.4
77.5°	4597.4	4262.7	6071.5	11418.0	17368.1	19024.2	17949.0	12739.5	8261.8	5037.9
80°	1203.5	1201.8	1834.8	5176.6	11811.7	14048.8	12325.0	8227.1	4720.5	1800.1
82.5°	497.7	485.6	674.6	2013.4	5771.4	7883.7	6433.9	3669.6	1704.7	487.3
85°	185.6	183.8	327.8	695.4	2036.0	3251.6	2353.3	938.2	424.9	237.6
87.5°	52.0	50.3	71.1	241.1	496.0	752.6	402.3	154.3	119.7	93.6
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°
3738.9	0°	3738.9	3738.9	3738.9	3738.9	3738.9	3738.9	3738.9	3738.9	3738.9	3738.9
3745.9	2.5°	3751.1	3759.8	3775.4	3787.5	3803.1	3820.5	3844.7	3860.3	3875.9	3886.4
3754.6	5°	3766.7	3785.8	3825.7	3865.5	3912.4	3955.7	4006.0	4042.4	4071.9	4080.6
3785.8	7.5°	3801.4	3832.6	3900.2	3967.9	4042.4	4113.5	4186.4	4248.8	4299.1	4318.2
3841.3	10°	3862.1	3903.7	3999.1	4094.5	4193.3	4302.6	4396.2	4486.4	4557.5	4587.0
3907.2	12.5°	3938.4	3990.4	4115.3	4247.1	4384.1	4534.9	4656.3	4767.3	4855.8	4895.7
3999.1	15°	4037.2	4104.9	4264.4	4441.3	4642.5	4852.3	5006.6	5129.8	5228.6	5277.2
4094.5	17.5°	4144.7	4234.9	4436.1	4703.2	4991.0	5266.8	5447.1	5537.3	5639.6	5686.5
4182.9	20°	4248.8	4359.8	4647.7	5036.1	5419.4	5712.5	5858.1	5882.4	5889.4	5894.6
4266.1	22.5°	4356.3	4505.5	4913.0	5455.8	5866.8	6069.7	6090.5	5986.5	5840.8	5773.2
4347.7	25°	4474.2	4671.9	5259.8	5918.8	6251.8	6276.1	6116.5	5863.3	5587.6	5461.0
4413.6	27.5°	4588.7	4864.4	5676.1	6361.1	6529.3	6316.0	5972.6	5613.6	5280.7	5147.1
4460.4	30°	4703.2	5084.7	6135.6	6747.8	6655.9	6217.1	5745.4	5344.8	5010.1	4869.6
4502.0	32.5°	4819.4	5341.4	6664.5	7027.0	6633.3	6007.3	5462.7	5043.1	4748.3	4600.8
4538.4	35°	4951.2	5657.0	7165.7	7179.6	6482.5	5698.6	5089.9	4682.4	4425.7	4307.8
4581.8	37.5°	5122.8	6057.6	7608.0	7217.8	6218.9	5246.0	4626.9	4255.7	4044.2	3990.4
4645.9	40°	5336.1	6539.7	7946.1	7157.1	5828.7	4696.2	4120.5	3823.9	3704.3	3716.4
4732.6	42.5°	5613.6	7079.0	8183.7	7001.0	5285.9	4129.1	3676.5	3544.7	3601.9	3650.5
4862.7	45°	5974.3	7639.2	8331.1	6735.7	4671.9	3648.8	3414.6	3445.9	3489.2	3494.4
5072.5	47.5°	6435.6	8206.3	8428.2	6335.1	4045.9	3310.6	3248.2	3255.1	3246.4	3210.0
5386.4	50°	7011.4	8757.7	8514.9	5804.4	3513.5	3099.0	3015.8	2991.5	2871.8	2753.9
5804.4	52.5°	7666.9	9264.1	8551.4	5145.4	3099.0	2922.1	2786.9	2634.3	2410.5	2374.1
6329.8	55°	8395.3	9732.4	8457.7	4335.5	2750.4	2695.0	2490.3	2306.5	2282.2	2251.0
7021.8	57.5°	9265.9	10237.0	8267.0	3432.0	2393.2	2429.6	2230.2	2251.0	2207.6	2159.1
7911.4	60°	10217.9	10759.0	7932.3	2608.2	2023.8	2098.4	2162.6	2160.8	2148.7	2108.8
8849.6	62.5°	11074.6	11102.4	7273.3	1997.8	1699.5	1841.7	2016.9	2015.1	2004.7	1982.2
9829.5	65°	11584.5	11050.4	6173.8	1572.9	1432.5	1630.2	1819.2	1833.1	1834.8	1833.1
10566.5	67.5°	11494.3	10441.6	4665.0	1252.1	1212.2	1415.1	1623.2	1642.3	1656.2	1659.6
10660.2	70°	10474.6	9104.6	3041.8	998.9	1016.2	1226.1	1437.7	1456.7	1468.9	1482.7
9250.2	72.5°	8164.6	6694.0	1741.1	808.1	844.6	1063.1	1253.8	1276.4	1283.3	1309.3
6437.4	75°	4975.4	3936.6	939.9	636.5	693.7	908.7	1071.7	1097.8	1109.9	1141.1
3161.5	77.5°	2365.5	1704.7	535.9	496.0	558.4	742.2	905.3	934.7	901.8	919.1
872.3	80°	799.5	633.0	338.2	378.1	426.6	579.2	724.9	754.4	685.0	681.5
289.6	82.5°	279.2	256.7	215.0	251.5	275.7	414.5	548.0	586.2	509.9	508.1
130.1	85°	109.3	104.1	119.7	137.0	164.7	254.9	360.7	379.8	313.9	253.2
38.2	87.5°	22.5	24.3	29.5	31.2	50.3	88.4	130.1	159.5	126.6	107.5
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°
3738.9
3879.4
4084.1
4319.9
4588.7
4895.7
5273.7
5684.7
5908.4
5792.2
5480.1
5162.7
4885.3
4619.9
4333.8
4028.6
3758.0
3695.6
3529.1
3237.8
2769.5
2386.3
2256.2
2150.4
2094.9
1973.5
1833.1
1663.1
1489.7
1319.7
1144.6
905.3
674.6
483.8
249.7
98.8
0.0

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