

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: P850473

Luminaire Tested: **GLAN-SB8A-730-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850473
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-SB8A-730-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34732 lumens
Efficiency: N/A
Efficacy: 152.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

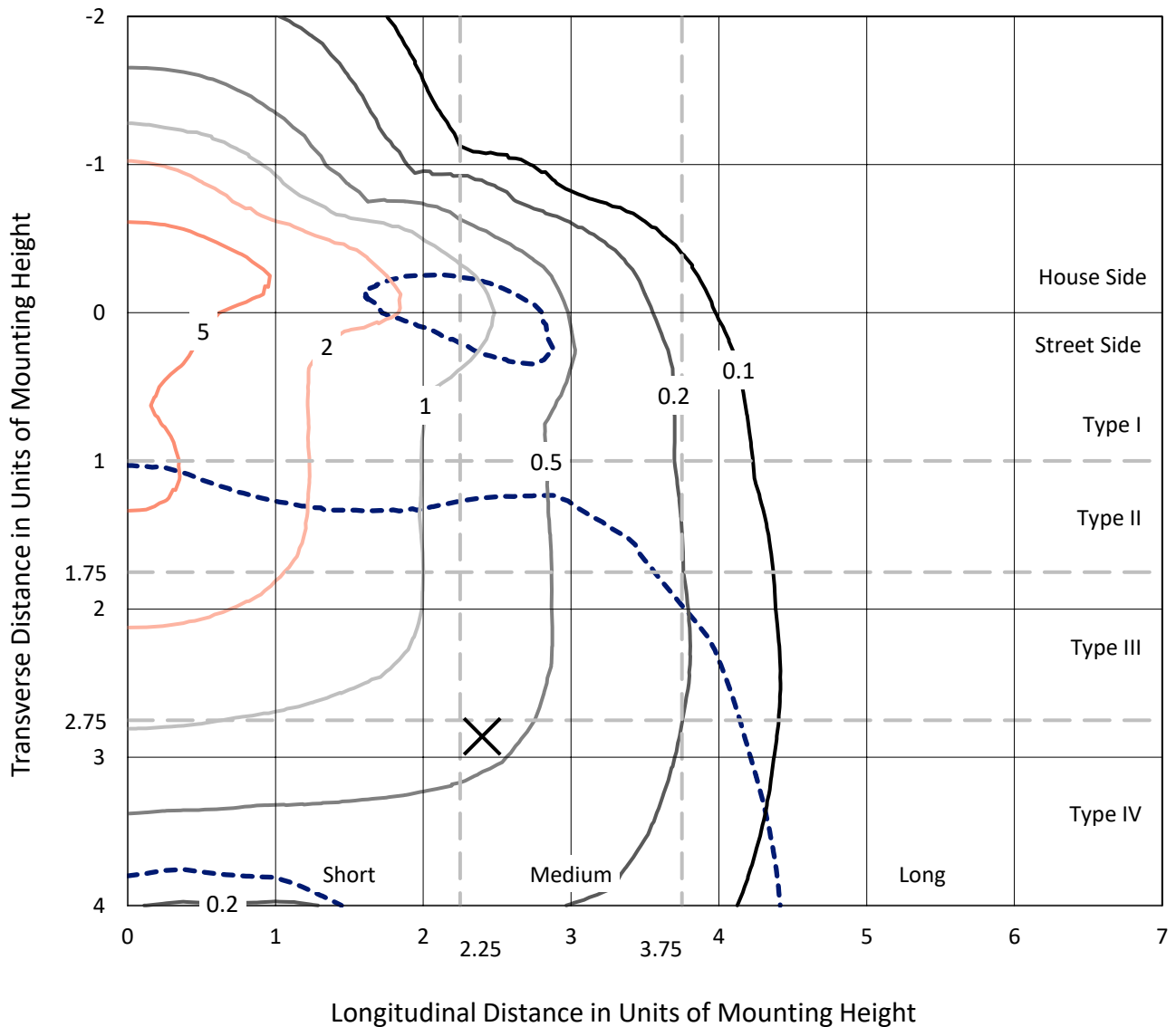
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

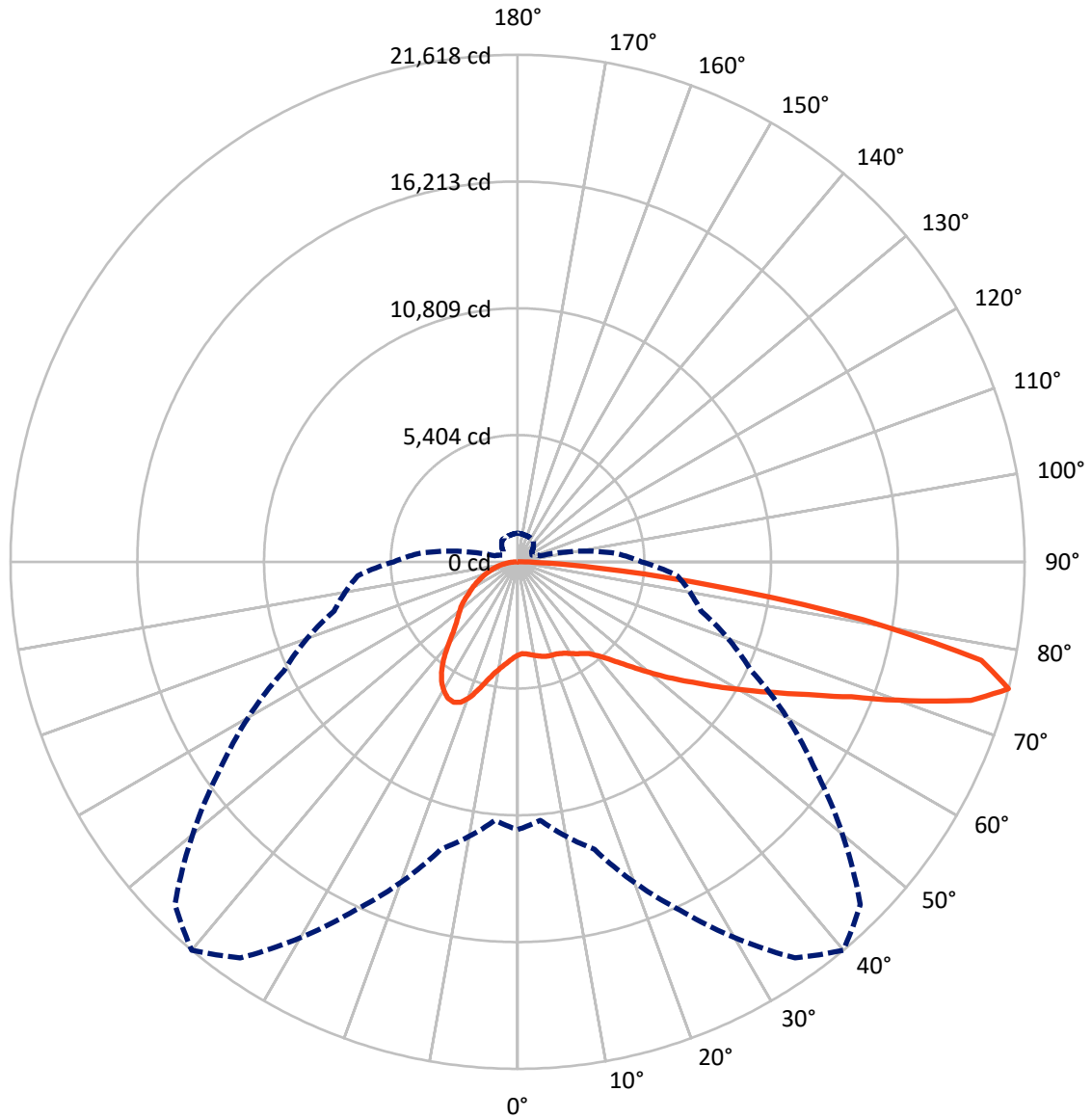
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 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	10761.1	0.0	10761.1
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	23970.9	0.0	23970.9
	% Fixture	69.0	0.0	69.0
Total	Lumens	34732.0	0.0	34732.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	396.5	1.1
10°-20°	1331.1	3.8
20°-30°	2430.4	7.0
30°-40°	3447.0	9.9
40°-50°	4654.4	13.4
50°-60°	6261.5	18.0
60°-70°	7947.2	22.9
70°-80°	7212.6	20.8
80°-90°	1051.4	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°	34732.0	100.0
0°-180°	34732.0	100.0

Coefficient of Utilization

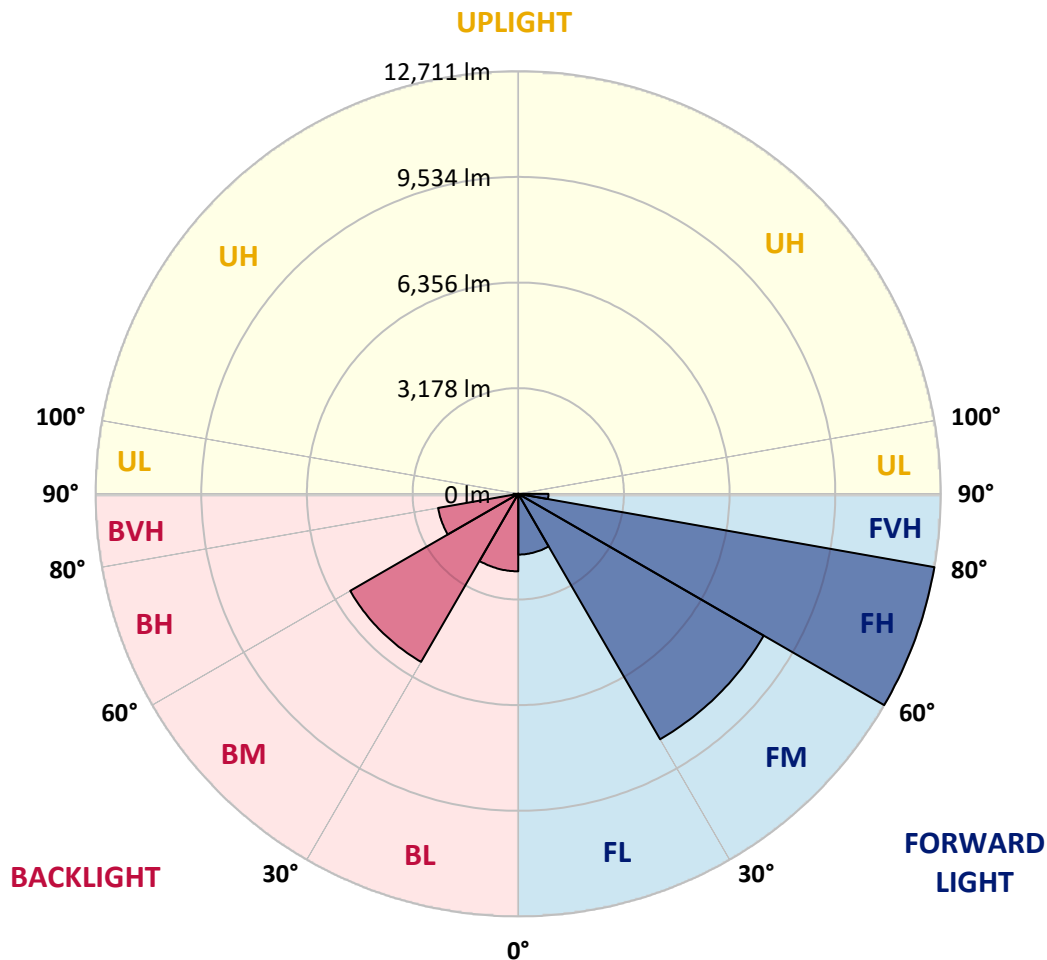


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1826.9	5.3			
FM (30°-60°)	8525.9	24.5			
FH (60°-80°)	12711.4	36.6			G5
FVH (80°-90°)	906.6	2.6			G5
BL (0°-30°)	2331.0	6.7	B3/2500		
BM (30°-60°)	5836.9	16.8	B4/8500		
BH (60°-80°)	2448.5	7.0	B3/2500		G3/2500
BVH (80°-90°)	144.7	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°	3971.7	3971.7	3971.7	3971.7	3971.7	3971.7	3971.7	3971.7	3971.7	3971.7
2.5°	3910.9	3933.0	3927.4	3920.1	3920.1	3921.9	3920.1	3933.0	3945.9	3958.8
5°	3951.4	3973.5	3962.4	3953.2	3945.9	3944.0	3938.5	3936.6	3944.0	3960.6
7.5°	4030.6	4052.7	4036.1	4019.5	4004.8	3997.4	3990.1	3979.0	3973.5	3982.7
10°	4119.0	4141.1	4120.9	4091.4	4067.4	4058.2	4050.9	4039.8	4032.4	4038.0
12.5°	4207.4	4229.5	4201.9	4161.4	4130.1	4124.5	4115.3	4111.7	4109.8	4108.0
15°	4290.3	4308.8	4273.8	4225.9	4192.7	4183.5	4174.3	4179.8	4189.0	4200.1
17.5°	4354.8	4373.2	4321.7	4259.0	4227.7	4224.0	4218.5	4236.9	4262.7	4290.3
20°	4413.8	4432.2	4365.9	4281.1	4244.3	4244.3	4246.1	4284.8	4321.7	4362.2
22.5°	4496.7	4511.4	4430.3	4314.3	4260.9	4264.6	4279.3	4318.0	4364.0	4419.3
25°	4620.1	4631.1	4531.7	4376.9	4316.1	4327.2	4340.1	4358.5	4402.7	4467.2
27.5°	4819.0	4828.2	4697.5	4487.4	4395.3	4413.8	4432.2	4419.3	4439.6	4494.8
30°	5099.0	5104.6	4938.8	4660.6	4529.8	4539.0	4542.7	4489.3	4450.6	4494.8
32.5°	5430.6	5428.8	5231.7	4870.6	4682.7	4673.5	4642.2	4537.2	4446.9	4485.6
35°	5944.6	5924.3	5670.1	5165.4	4855.9	4798.8	4725.1	4590.6	4465.3	4476.4
37.5°	6795.6	6733.0	6381.2	5648.0	5113.8	4968.2	4859.6	4677.2	4505.9	4472.7
40°	7755.4	7676.2	7289.3	6309.3	5500.6	5266.7	5091.7	4800.6	4572.2	4489.3
42.5°	8893.8	8781.5	8365.2	7088.5	5990.6	5651.7	5388.3	4957.2	4669.8	4542.7
45°	10292.0	10142.8	9553.3	7967.2	6607.8	6156.4	5804.6	5194.8	4819.0	4645.9
47.5°	11704.9	11741.8	10903.6	8973.1	7348.3	6779.1	6325.9	5552.2	5036.4	4811.7
50°	13206.3	13232.1	12246.5	10087.6	8188.3	7482.8	6911.7	5951.9	5338.5	5047.5
52.5°	14377.9	14381.6	13466.0	11253.6	9063.3	8256.5	7543.6	6408.8	5688.5	5360.6
55°	15111.1	15101.9	14320.8	12357.1	10069.1	9068.8	8243.6	6928.3	6115.9	5729.1
57.5°	15643.4	15615.8	14910.3	13305.8	11141.3	10028.6	9035.7	7517.8	6620.6	6167.5
60°	15846.1	15829.5	15310.0	14125.5	12268.6	11089.7	9949.4	8177.3	7193.6	6685.1
62.5°	15923.4	15954.8	15702.4	14919.5	13475.2	12265.0	10953.4	8965.7	7838.3	7270.9
65°	16196.1	16253.2	16201.6	15958.4	14838.4	13641.0	12285.2	9903.3	8542.0	7899.1
67.5°	16735.8	16792.9	16815.0	17201.9	16503.7	15356.1	13946.8	11071.3	9365.4	8551.2
70°	16722.9	16706.4	17096.9	18191.1	18589.0	17730.6	16186.9	12508.1	10347.3	9092.8
72.5°	15221.6	15089.0	16011.9	18180.1	20324.3	20210.1	18922.4	14361.3	11194.7	9159.1
75°	11419.4	11065.7	12696.0	16384.0	20613.5	21617.5	20661.4	15510.8	10993.9	8092.5
77.5°	4883.5	4528.0	6449.3	12128.6	18449.0	20208.3	19066.1	13532.3	8775.9	5351.4
80°	1278.4	1276.6	1949.0	5498.8	12546.8	14923.2	13092.1	8739.1	5014.3	1912.1
82.5°	528.7	515.8	716.6	2138.7	6130.6	8374.4	6834.3	3898.0	1810.8	517.6
85°	197.1	195.3	348.2	738.7	2162.7	3454.0	2499.8	996.6	451.3	252.4
87.5°	55.3	53.4	75.5	256.1	526.9	799.5	427.4	164.0	127.1	99.5
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°
3971.7	0°	3971.7	3971.7	3971.7	3971.7	3971.7	3971.7	3971.7	3971.7	3971.7	3971.7
3979.0	2.5°	3984.5	3993.8	4010.3	4023.2	4039.8	4058.2	4084.0	4100.6	4117.2	4128.2
3988.2	5°	4001.1	4021.4	4063.8	4106.1	4155.9	4201.9	4255.3	4294.0	4325.3	4334.6
4021.4	7.5°	4038.0	4071.1	4143.0	4214.8	4294.0	4369.6	4446.9	4513.2	4566.7	4586.9
4080.3	10°	4102.4	4146.7	4248.0	4349.3	4454.3	4570.3	4669.8	4765.6	4841.1	4872.5
4150.3	12.5°	4183.5	4238.8	4371.4	4511.4	4656.9	4817.2	4946.1	5064.0	5158.0	5200.4
4248.0	15°	4288.5	4360.3	4529.8	4717.7	4931.4	5154.3	5318.3	5449.0	5554.0	5605.6
4349.3	17.5°	4402.7	4498.5	4712.2	4995.9	5301.7	5594.6	5786.2	5881.9	5990.6	6040.4
4443.2	20°	4513.2	4631.1	4936.9	5349.6	5756.7	6068.0	6222.7	6248.5	6255.9	6261.4
4531.7	22.5°	4627.5	4785.9	5218.8	5795.4	6232.0	6447.5	6469.6	6359.1	6204.3	6132.5
4618.2	25°	4752.7	4962.7	5587.2	6287.2	6640.9	6666.7	6497.2	6228.3	5935.4	5800.9
4688.2	27.5°	4874.3	5167.2	6029.3	6757.0	6935.7	6709.1	6344.3	5963.0	5609.3	5467.5
4738.0	30°	4995.9	5401.1	6517.5	7167.8	7070.1	6604.1	6103.0	5677.5	5321.9	5172.7
4782.2	32.5°	5119.3	5673.8	7079.3	7464.3	7046.2	6381.2	5802.7	5356.9	5043.8	4887.2
4820.9	35°	5259.3	6009.1	7611.7	7626.5	6885.9	6053.3	5406.7	4973.8	4701.1	4575.9
4866.9	37.5°	5441.7	6434.6	8081.5	7667.0	6605.9	5572.5	4914.8	4520.6	4295.9	4238.8
4935.1	40°	5668.3	6946.7	8440.7	7602.5	6191.4	4988.5	4376.9	4061.9	3934.8	3947.7
5027.2	42.5°	5963.0	7519.6	8693.1	7436.7	5614.8	4386.1	3905.3	3765.3	3826.1	3877.7
5165.4	45°	6346.2	8114.6	8849.6	7154.9	4962.7	3875.9	3627.2	3660.3	3706.4	3711.9
5388.3	47.5°	6836.2	8717.0	8952.8	6729.3	4297.7	3516.6	3450.3	3457.7	3448.5	3409.8
5721.7	50°	7447.8	9302.8	9044.9	6165.6	3732.2	3291.9	3203.5	3177.7	3050.6	2925.3
6165.6	52.5°	8144.1	9840.7	9083.6	5465.6	3291.9	3104.0	2960.3	2798.2	2560.6	2521.9
6723.8	55°	8917.8	10338.1	8984.1	4605.3	2921.6	2862.7	2645.3	2450.0	2424.3	2391.1
7458.8	57.5°	9842.5	10874.1	8781.5	3645.6	2542.2	2580.8	2369.0	2391.1	2345.0	2293.5
8403.8	60°	10853.9	11428.6	8425.9	2770.6	2149.8	2229.0	2297.1	2295.3	2282.4	2240.0
9400.4	62.5°	11763.9	11793.4	7725.9	2122.1	1805.3	1956.4	2142.4	2140.6	2129.5	2105.6
10441.2	65°	12305.5	11738.1	6558.0	1670.8	1521.6	1731.6	1932.4	1947.1	1949.0	1947.1
11224.1	67.5°	12209.7	11091.5	4955.4	1330.0	1287.7	1503.2	1724.2	1744.5	1759.2	1762.9
11323.6	70°	11126.5	9671.2	3231.1	1061.1	1079.5	1302.4	1527.1	1547.4	1560.3	1575.0
9826.0	72.5°	8672.8	7110.7	1849.5	858.4	897.1	1129.2	1331.9	1355.8	1363.2	1390.8
6838.0	75°	5285.1	4181.7	998.4	676.1	736.9	965.3	1138.4	1166.1	1179.0	1212.1
3358.2	77.5°	2512.7	1810.8	569.2	526.9	593.2	788.4	961.6	992.9	957.9	976.3
926.6	80°	849.2	672.4	359.2	401.6	453.2	615.3	770.0	801.3	727.6	724.0
307.6	82.5°	296.6	272.6	228.4	267.1	292.9	440.3	582.1	622.6	541.6	539.7
138.2	85°	116.1	110.5	127.1	145.5	175.0	270.8	383.2	403.4	333.4	269.0
40.5	87.5°	23.9	25.8	31.3	33.2	53.4	93.9	138.2	169.5	134.5	114.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

<u>180°</u>
3971.7
4120.9
4338.2
4588.8
4874.3
5200.4
5601.9
6038.5
6276.2
6152.7
5821.2
5484.0
5189.3
4907.5
4603.5
4279.3
3991.9
3925.6
3748.8
3439.3
2941.9
2534.8
2396.6
2284.3
2225.3
2096.4
1947.1
1766.6
1582.4
1401.9
<i>1215.8</i>
961.6
716.6
514.0
265.3
105.0
0.0

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