

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: P848773

Luminaire Tested: **GLAN-SB5C-730-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848773
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-SB5C-730-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36224 lumens
Efficiency: N/A
Efficacy: 145.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

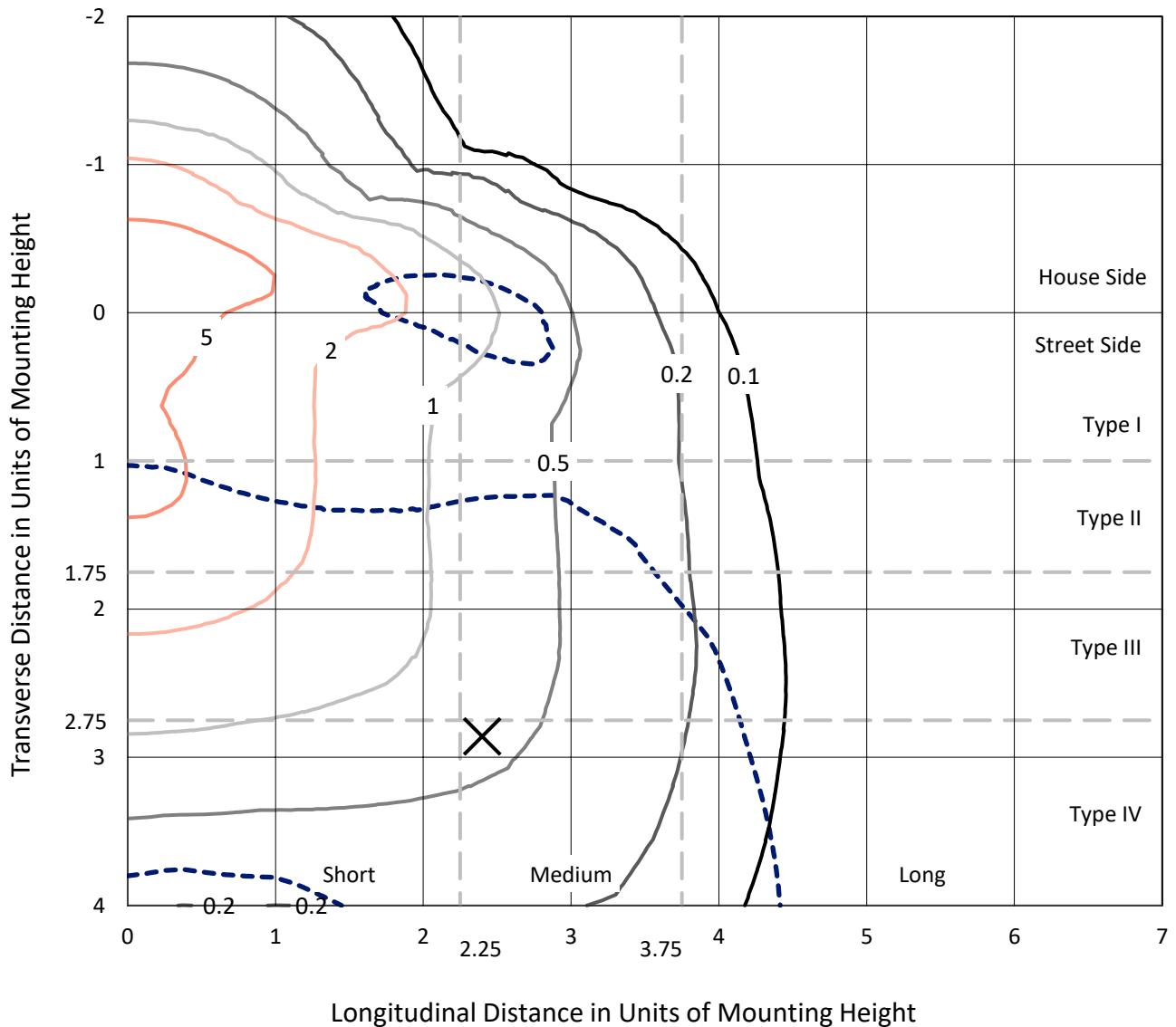
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

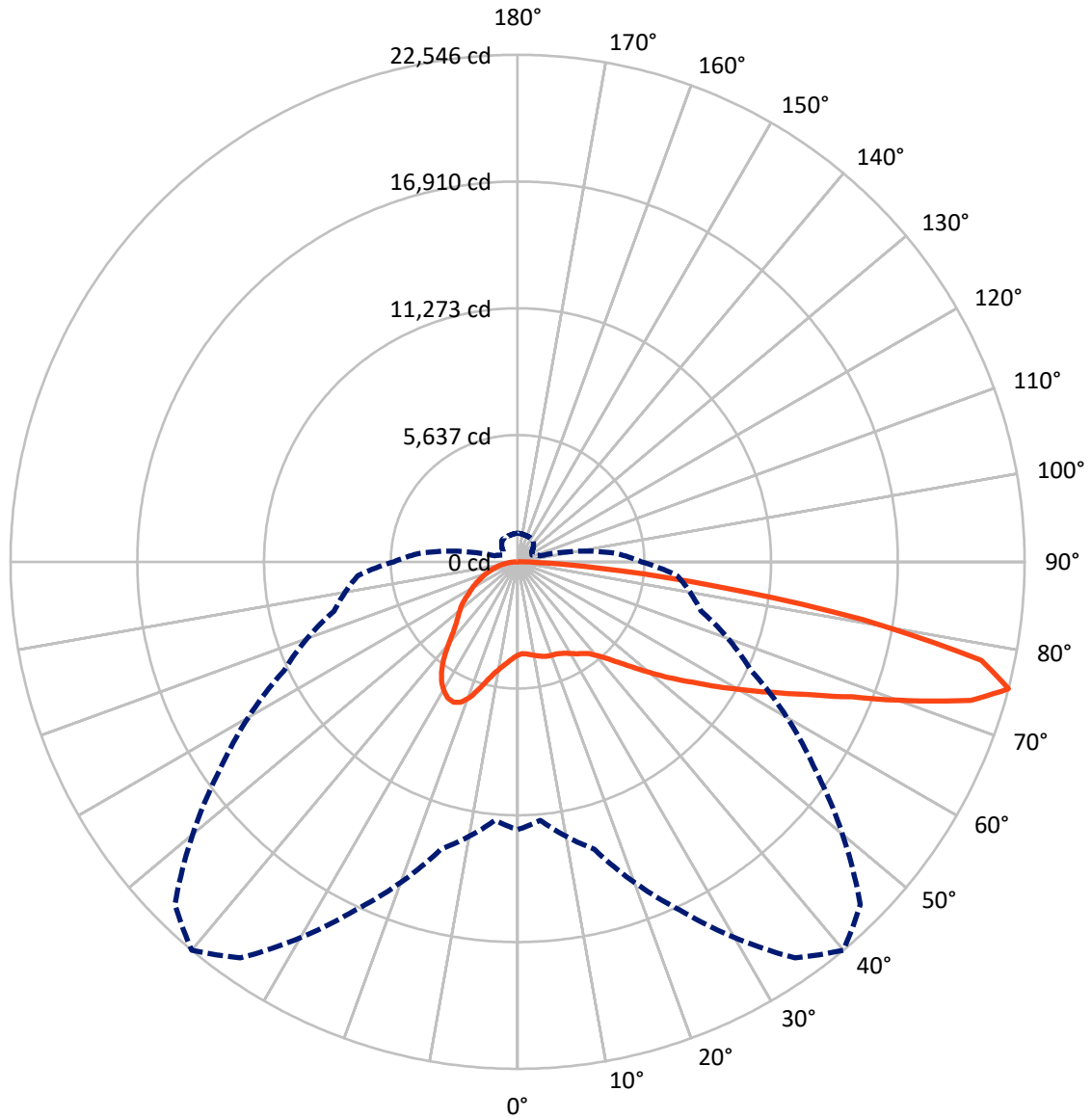
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 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	11223.4	0.0	11223.4
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	25000.6	0.0	25000.6
	% Fixture	69.0	0.0	69.0
Total	Lumens	36224.0	0.0	36224.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	413.5	1.1
10°-20°	1388.2	3.8
20°-30°	2534.8	7.0
30°-40°	3595.0	9.9
40°-50°	4854.4	13.4
50°-60°	6530.4	18.0
60°-70°	8288.6	22.9
70°-80°	7522.5	20.8
80°-90°	1096.5	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°	36224.0	100.0
0°-180°	36224.0	100.0

Coefficient of Utilization

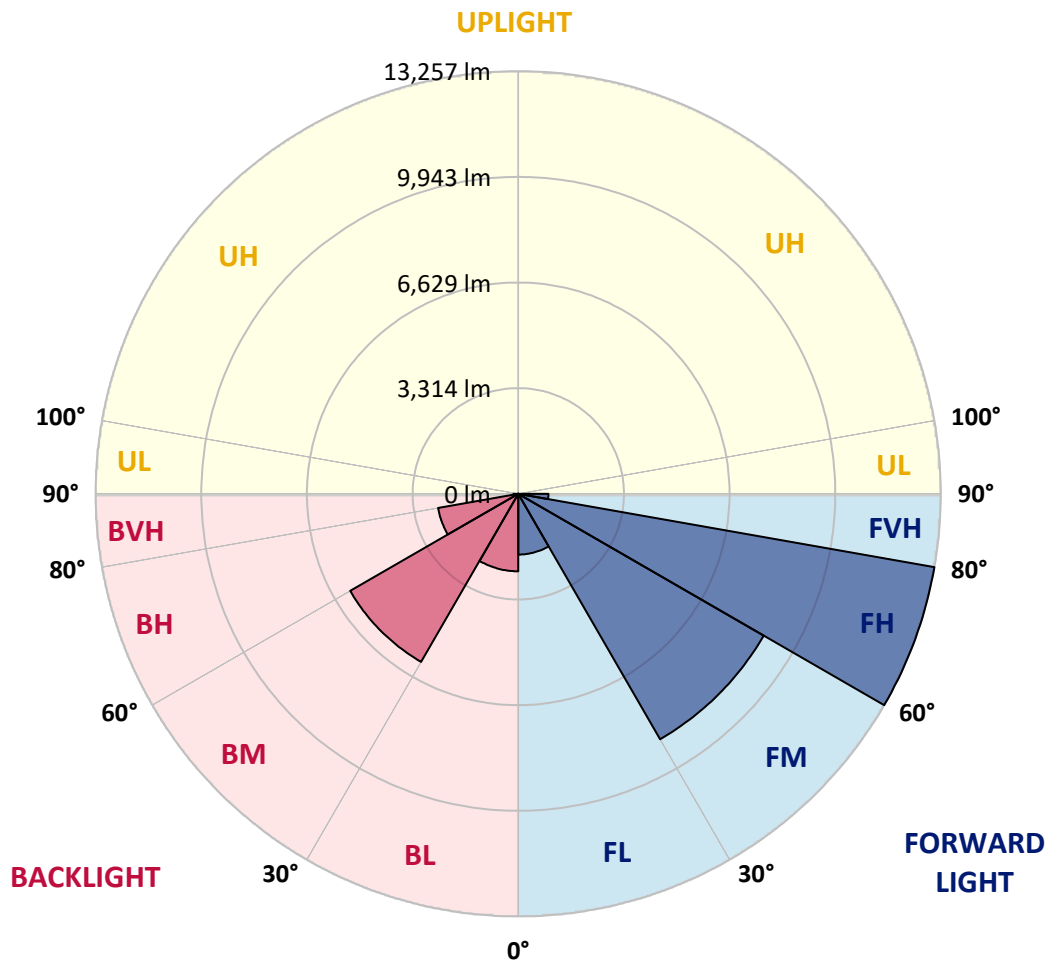


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1905.4	5.3			
FM (30°-60°)	8892.2	24.5			
FH (60°-80°)	13257.4	36.6			G5
FVH (80°-90°)	945.6	2.6			G5
BL (0°-30°)	2431.1	6.7	B3/2500		
BM (30°-60°)	6087.7	16.8	B4/8500		
BH (60°-80°)	2553.7	7.0	B4/5000		G4/5000
BVH (80°-90°)	151.0	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°	4142.3	4142.3	4142.3	4142.3	4142.3	4142.3	4142.3	4142.3	4142.3	4142.3
2.5°	4078.9	4101.9	4096.2	4088.5	4088.5	4090.4	4088.5	4101.9	4115.4	4128.8
5°	4121.1	4144.2	4132.7	4123.0	4115.4	4113.4	4107.7	4105.8	4113.4	4130.7
7.5°	4203.7	4226.8	4209.5	4192.2	4176.8	4169.2	4161.5	4149.9	4144.2	4153.8
10°	4296.0	4319.0	4297.9	4267.1	4242.2	4232.6	4224.9	4213.3	4205.7	4211.4
12.5°	4388.2	4411.2	4382.4	4340.2	4307.5	4301.7	4292.1	4288.3	4286.4	4284.4
15°	4474.6	4493.9	4457.4	4407.4	4372.8	4363.2	4353.6	4359.4	4369.0	4380.5
17.5°	4541.9	4561.1	4507.3	4442.0	4409.3	4405.5	4399.7	4418.9	4445.8	4474.6
20°	4603.4	4622.6	4553.4	4465.0	4426.6	4426.6	4428.5	4468.9	4507.3	4549.6
22.5°	4689.8	4705.2	4620.7	4499.6	4443.9	4447.7	4463.1	4503.5	4551.5	4609.1
25°	4818.6	4830.1	4726.3	4564.9	4501.5	4513.1	4526.5	4545.7	4591.8	4659.1
27.5°	5026.0	5035.7	4899.2	4680.2	4584.2	4603.4	4622.6	4609.1	4630.3	4687.9
30°	5318.1	5323.8	5150.9	4860.8	4724.4	4734.0	4737.9	4682.1	4641.8	4687.9
32.5°	5663.9	5662.0	5456.4	5079.8	4883.9	4874.3	4841.6	4732.1	4638.0	4678.3
35°	6199.9	6178.8	5913.7	5387.2	5064.5	5004.9	4928.1	4787.8	4657.2	4668.7
37.5°	7087.6	7022.2	6655.3	5890.6	5333.5	5181.7	5068.3	4878.1	4699.4	4664.8
40°	8088.6	8005.9	7602.5	6580.4	5736.9	5492.9	5310.4	5006.8	4768.6	4682.1
42.5°	9275.9	9158.7	8724.5	7393.1	6248.0	5894.5	5619.7	5170.1	4870.4	4737.9
45°	10734.1	10578.5	9963.7	8309.5	6891.6	6420.9	6053.9	5418.0	5026.0	4845.4
47.5°	12207.8	12246.2	11372.0	9358.5	7664.0	7070.3	6597.6	5790.7	5252.8	5018.4
50°	13773.6	13800.5	12772.6	10520.9	8540.1	7804.2	7208.6	6207.6	5567.8	5264.3
52.5°	14995.5	14999.4	14044.5	11737.1	9452.7	8611.1	7867.6	6684.1	5932.9	5590.9
55°	15760.2	15750.6	14936.0	12887.9	10501.7	9458.4	8597.7	7225.9	6378.6	5975.2
57.5°	16315.4	16286.6	15550.8	13877.3	11619.9	10459.4	9423.8	7840.7	6905.1	6432.4
60°	16526.8	16509.5	15967.7	14732.3	12795.7	11566.1	10376.8	8528.5	7502.6	6972.3
62.5°	16607.5	16640.1	16376.9	15560.4	14054.1	12791.8	11423.9	9350.8	8175.0	7583.3
65°	16891.8	16951.4	16897.6	16644.0	15475.8	14227.0	12813.0	10328.8	8908.9	8238.4
67.5°	17454.8	17514.3	17537.4	17940.8	17212.7	16015.7	14546.0	11546.8	9767.7	8918.5
70°	17441.3	17424.0	17831.3	18972.6	19387.6	18492.2	16882.2	13045.4	10791.8	9483.4
72.5°	15875.5	15737.1	16699.7	18961.0	21197.4	21078.3	19735.3	14978.2	11675.6	9552.6
75°	11910.0	11541.1	13241.4	17087.8	21499.0	22546.1	21549.0	16177.1	11466.2	8440.1
77.5°	5093.3	4722.5	6726.4	12649.7	19241.5	21076.4	19885.2	14113.7	9152.9	5581.3
80°	1333.4	1331.4	2032.7	5735.0	13085.8	15564.2	13654.5	9114.5	5229.7	1994.3
82.5°	551.4	538.0	747.4	2230.6	6394.0	8734.1	7127.9	4065.4	1888.6	539.9
85°	205.6	203.7	363.1	770.4	2255.6	3602.4	2607.2	1039.4	470.7	263.2
87.5°	57.6	55.7	78.8	267.1	549.5	833.8	445.7	171.0	132.6	103.7
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°
4142.3	0°	4142.3	4142.3	4142.3	4142.3	4142.3	4142.3	4142.3	4142.3	4142.3	4142.3
4149.9	2.5°	4155.7	4165.3	4182.6	4196.1	4213.3	4232.6	4259.5	4276.8	4294.0	4305.6
4159.6	5°	4173.0	4194.1	4238.3	4282.5	4334.4	4382.4	4438.1	4478.5	4511.1	4520.8
4194.1	7.5°	4211.4	4246.0	4320.9	4395.9	4478.5	4557.3	4638.0	4707.1	4762.8	4784.0
4255.6	10°	4278.7	4324.8	4430.5	4536.1	4645.6	4766.7	4870.4	4970.3	5049.1	5081.8
4328.6	12.5°	4363.2	4420.8	4559.2	4705.2	4857.0	5024.1	5158.6	5281.6	5379.6	5423.8
4430.5	15°	4472.7	4547.7	4724.4	4920.4	5143.2	5375.7	5546.7	5683.1	5792.6	5846.4
4536.1	17.5°	4591.8	4691.7	4914.6	5210.5	5529.4	5834.9	6034.7	6134.6	6248.0	6299.9
4634.1	20°	4707.1	4830.1	5149.0	5579.4	6004.0	6328.7	6490.1	6517.0	6524.6	6530.4
4726.3	22.5°	4826.2	4991.5	5443.0	6044.3	6499.7	6724.5	6747.5	6632.2	6470.8	6395.9
4816.6	25°	4956.9	5175.9	5827.2	6557.3	6926.2	6953.1	6776.3	6495.8	6190.3	6050.1
4889.6	27.5°	5083.7	5389.2	6288.3	7047.2	7233.6	6997.3	6616.9	6219.2	5850.3	5702.3
4941.5	30°	5210.5	5633.2	6797.5	7475.7	7373.8	6887.8	6365.2	5921.4	5550.6	5394.9
4987.6	32.5°	5339.2	5917.5	7383.4	7785.0	7348.9	6655.3	6052.0	5587.1	5260.4	5097.1
5028.0	35°	5485.2	6267.2	7938.7	7954.1	7181.7	6313.3	5638.9	5187.4	4903.1	4772.4
5076.0	37.5°	5675.4	6711.0	8428.6	7996.3	6889.7	5811.8	5126.0	4714.8	4480.4	4420.8
5147.1	40°	5911.8	7245.1	8803.3	7929.1	6457.4	5202.8	4564.9	4236.4	4103.8	4117.3
5243.2	42.5°	6219.2	7842.6	9066.5	7756.2	5856.0	4574.5	4073.1	3927.1	3990.5	4044.3
5387.2	45°	6618.8	8463.2	9229.8	7462.2	5175.9	4042.4	3783.0	3817.6	3865.6	3871.4
5619.7	47.5°	7129.8	9091.5	9337.4	7018.4	4482.3	3667.7	3598.5	3606.2	3596.6	3556.3
5967.5	50°	7767.7	9702.4	9433.4	6430.5	3892.5	3433.3	3341.1	3314.2	3181.6	3051.0
6430.5	52.5°	8493.9	10263.4	9473.8	5700.4	3433.3	3237.3	3087.5	2918.4	2670.6	2630.2
7012.6	55°	9300.9	10782.2	9370.0	4803.2	3047.1	2985.7	2758.9	2555.3	2528.4	2493.8
7779.2	57.5°	10265.4	11341.3	9158.7	3802.2	2651.4	2691.7	2470.8	2493.8	2445.8	2392.0
8764.8	60°	11320.1	11919.6	8787.9	2889.6	2242.1	2324.7	2395.8	2393.9	2380.5	2336.3
9804.3	62.5°	12269.2	12300.0	8057.8	2213.3	1882.8	2040.4	2234.4	2232.5	2221.0	2196.0
10889.8	65°	12834.1	12242.3	6839.7	1742.6	1587.0	1806.0	2015.4	2030.8	2032.7	2030.8
11706.3	67.5°	12734.2	11568.0	5168.2	1387.2	1343.0	1567.8	1798.3	1819.4	1834.8	1838.7
11810.1	70°	11604.5	10086.7	3369.9	1106.7	1125.9	1358.3	1592.7	1613.9	1627.3	1642.7
10248.1	72.5°	9045.3	7416.1	1929.0	895.3	935.7	1177.7	1389.1	1414.1	1421.7	1450.6
7131.8	75°	5512.1	4361.3	1041.3	705.1	768.5	1006.7	1187.3	1216.2	1229.6	1264.2
3502.5	77.5°	2620.6	1888.6	593.7	549.5	618.6	822.3	1002.9	1035.6	999.1	1018.3
966.4	80°	885.7	701.3	374.6	418.8	472.6	641.7	803.1	835.8	758.9	755.1
320.9	82.5°	309.3	284.3	238.2	278.6	305.5	459.2	607.1	649.4	564.9	562.9
144.1	85°	121.0	115.3	132.6	151.8	182.5	282.4	399.6	420.8	347.8	280.5
42.3	87.5°	25.0	26.9	32.7	34.6	55.7	98.0	144.1	176.8	140.3	119.1
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>
4142.3
4297.9
4524.6
4785.9
5083.7
5423.8
5842.6
6297.9
6545.8
6417.0
6071.2
5719.6
5412.2
5118.3
4801.3
4463.1
4163.4
4094.2
3909.8
3587.0
3068.3
2643.7
2499.6
2382.4
2320.9
2186.4
2030.8
1842.5
1650.4
1462.1
1268.0
1002.9
747.4
536.0
276.7
109.5
0.0

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