

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: McGRAW-EDISON

Report Number: P942742

Luminaire Tested: **GALN-SB6D-927-U-SL4**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942742  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6D-927-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

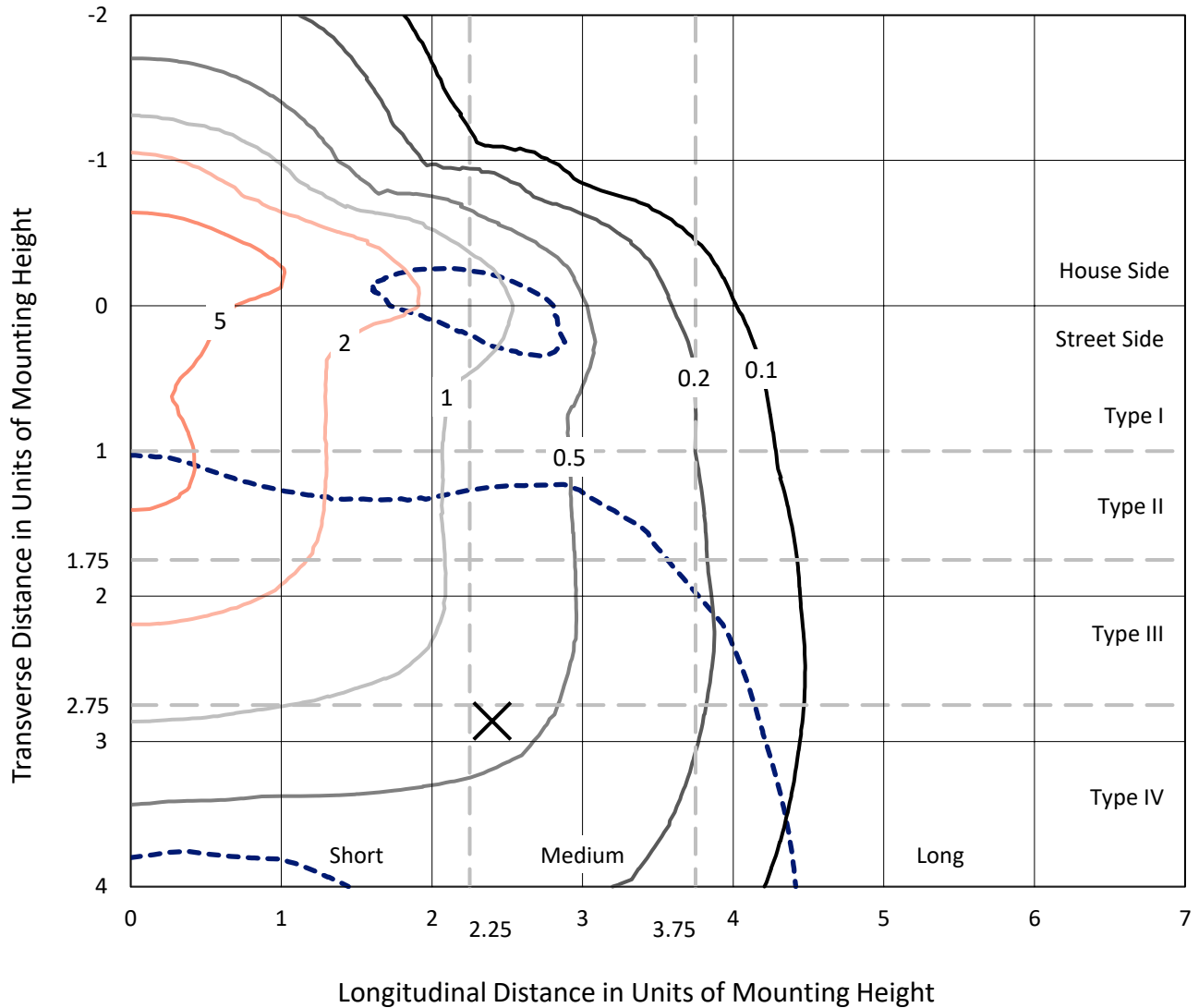
Lumens per Lamp: N/A  
Luminaire Lumens: 37233 lumens  
Efficiency: N/A  
Efficacy: 84.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B4 - U0 - G5  
  
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

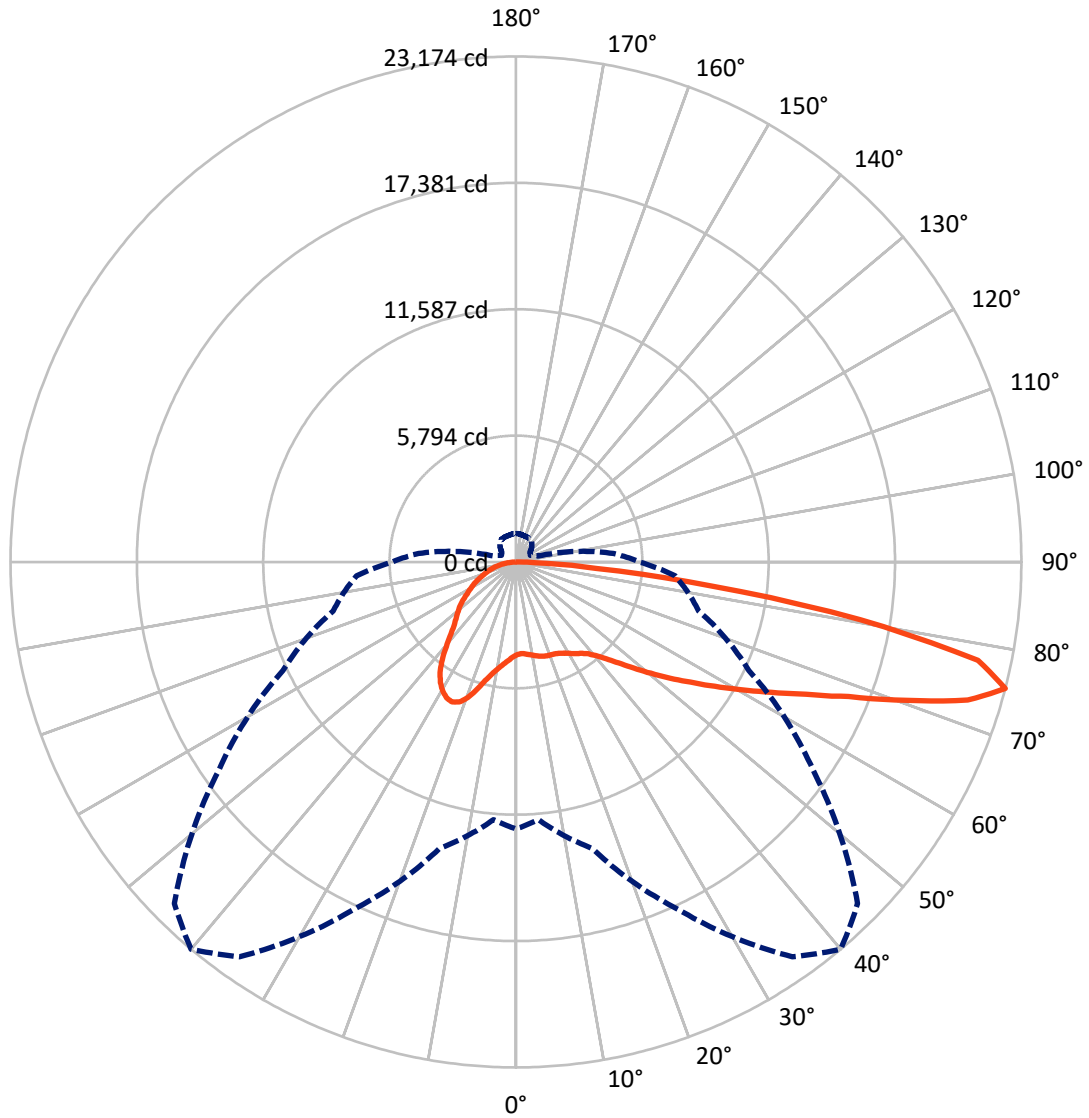
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 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	11536.0	0.0	11536.0
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	25697.0	0.0	25697.0
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	37233.0	0.0	37233.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	425.0	1.1
10°-20°	1426.9	3.8
20°-30°	2605.4	7.0
30°-40°	3695.2	9.9
40°-50°	4989.6	13.4
50°-60°	6712.3	18.0
60°-70°	8519.5	22.9
70°-80°	7732.0	20.8
80°-90°	1127.1	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°	37233.0	100.0
0°-180°	37233.0	100.0

**Coefficient of Utilization**



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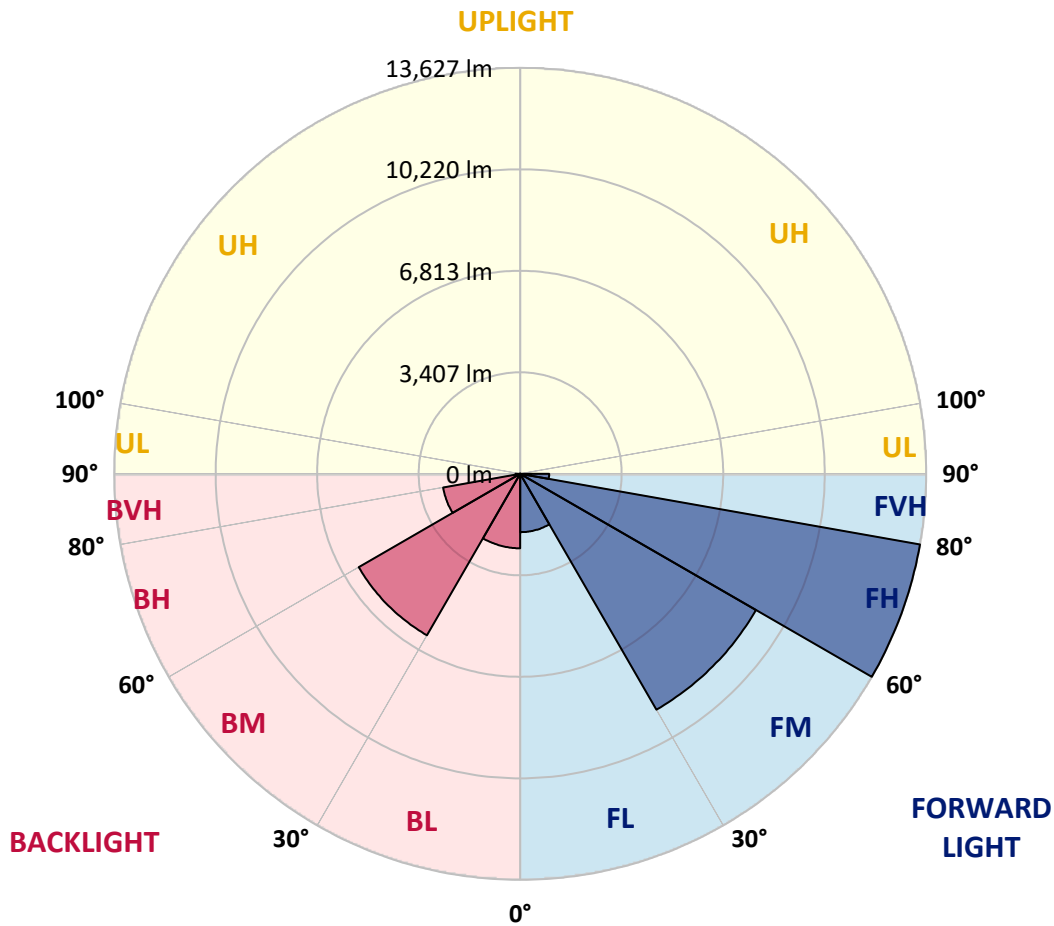
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1958.5	5.3			
FM (30°-60°)	9139.9	24.5			
FH (60°-80°)	13626.7	36.6			G5
FVH (80°-90°)	971.9	2.6			G5
BL (0°-30°)	2498.8	6.7	B3/2500		
BM (30°-60°)	6257.3	16.8	B4/8500		
BH (60°-80°)	2624.8	7.0	B4/5000		G4/5000
BVH (80°-90°)	155.2	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**

Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	4257.6	4257.6	4257.6	4257.6	4257.6	4257.6	4257.6	4257.6	4257.6	4257.6
2.5°	4192.5	4216.2	4210.2	4202.3	4202.3	4204.3	4202.3	4216.2	4230.0	4243.8
5°	4235.9	4259.6	4247.8	4237.9	4230.0	4228.0	4222.1	4220.1	4228.0	4245.8
7.5°	4320.8	4344.5	4326.8	4309.0	4293.2	4285.3	4277.4	4265.5	4259.6	4269.5
10°	4415.6	4439.3	4417.6	4386.0	4360.3	4350.5	4342.6	4330.7	4322.8	4328.7
12.5°	4510.4	4534.1	4504.5	4461.0	4427.5	4421.6	4411.7	4407.7	4405.8	4403.8
15°	4599.3	4619.0	4581.5	4530.2	4494.6	4484.7	4474.9	4480.8	4490.7	4502.5
17.5°	4668.4	4688.1	4632.9	4565.7	4532.1	4528.2	4522.3	4542.0	4569.7	4599.3
20°	4731.6	4751.3	4680.2	4589.4	4549.9	4549.9	4551.9	4593.4	4632.9	4676.3
22.5°	4820.5	4836.3	4749.4	4625.0	4567.7	4571.6	4587.4	4628.9	4678.3	4737.5
25°	4952.8	4964.6	4858.0	4692.1	4626.9	4638.8	4652.6	4672.3	4719.7	4788.9
27.5°	5166.0	5175.9	5035.7	4810.6	4711.8	4731.6	4751.3	4737.5	4759.2	4818.5
30°	5466.2	5472.1	5294.4	4996.2	4856.0	4865.9	4869.8	4812.6	4771.1	4818.5
32.5°	5821.7	5819.7	5608.4	5221.3	5019.9	5010.0	4976.5	4863.9	4767.1	4808.6
35°	6372.6	6350.9	6078.4	5537.3	5205.5	5144.3	5065.3	4921.2	4786.9	4798.7
37.5°	7285.0	7217.9	6840.7	6054.7	5482.0	5326.0	5209.5	5014.0	4830.3	4794.8
40°	8313.9	8228.9	7814.2	6763.6	5896.7	5645.9	5458.3	5146.3	4901.4	4812.6
42.5°	9534.3	9413.8	8967.5	7599.0	6422.0	6058.6	5776.3	5314.2	5006.1	4869.8
45°	11033.1	10873.2	10241.3	8541.0	7083.6	6599.7	6222.6	5568.9	5166.0	4980.4
47.5°	12547.8	12587.3	11688.8	9619.2	7877.4	7267.2	6781.4	5952.0	5399.1	5158.1
50°	14157.3	14184.9	13128.4	10813.9	8777.9	8021.6	7409.4	6380.5	5722.9	5410.9
52.5°	15413.2	15417.2	14435.7	12064.0	9716.0	8851.0	8086.8	6870.3	6098.1	5746.6
55°	16199.2	16189.3	15352.0	13246.9	10794.2	9721.9	8837.2	7427.2	6556.3	6141.6
57.5°	16769.9	16740.3	15983.9	14263.9	11943.5	10750.7	9686.3	8059.1	7097.4	6611.6
60°	16987.1	16969.4	16412.5	15142.7	13152.1	11888.2	10665.8	8766.1	7711.5	7166.5
62.5°	17070.1	17103.6	16833.1	15993.8	14445.6	13148.1	11742.1	9611.3	8402.7	7794.5
65°	17362.3	17423.6	17368.3	17107.6	15906.9	14623.3	13169.9	10616.5	9157.1	8467.9
67.5°	17940.9	18002.2	18025.9	18440.6	17692.1	16461.8	14951.1	11868.5	10039.8	9167.0
70°	17927.1	17909.4	18328.0	19501.0	19927.6	19007.3	17352.5	13408.8	11092.4	9747.6
72.5°	16317.7	16175.5	17164.9	19489.2	21787.8	21665.4	20285.0	15395.4	12000.8	9818.6
75°	12241.7	11862.6	13610.2	17563.8	22097.9	23174.1	22149.2	16627.7	11785.5	8675.2
77.5°	5235.2	4854.0	6913.7	13002.0	19777.5	21663.4	20439.1	14506.8	9407.9	5736.8
80°	1370.5	1368.5	2089.3	5894.7	13450.3	15997.8	14034.8	9368.4	5375.4	2049.8
82.5°	566.8	552.9	768.2	2292.7	6572.1	8977.4	7326.5	4178.7	1941.2	554.9
85°	211.3	209.3	373.2	791.9	2318.4	3702.7	2679.8	1068.4	483.8	270.5
87.5°	59.2	57.3	81.0	274.5	564.8	857.1	458.2	175.8	136.3	106.6
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°
4257.6	0°	4257.6	4257.6	4257.6	4257.6	4257.6	4257.6	4257.6	4257.6	4257.6	4257.6
4265.5	2.5°	4271.5	4281.3	4299.1	4312.9	4330.7	4350.5	4378.1	4395.9	4413.7	4425.5
4275.4	5°	4289.2	4311.0	4356.4	4401.8	4455.1	4504.5	4561.8	4603.2	4636.8	4646.7
4311.0	7.5°	4328.7	4364.3	4441.3	4518.3	4603.2	4684.2	4767.1	4838.2	4895.5	4917.2
4374.2	10°	4397.9	4445.2	4553.9	4662.5	4775.0	4899.4	5006.1	5108.8	5189.7	5223.3
4449.2	12.5°	4484.7	4544.0	4686.2	4836.3	4992.3	5164.1	5302.3	5428.7	5529.4	5574.8
4553.9	15°	4597.3	4674.3	4856.0	5057.4	5286.5	5525.5	5701.2	5841.4	5954.0	6009.3
4662.5	17.5°	4719.7	4822.4	5051.5	5355.6	5683.4	5997.4	6202.8	6305.5	6422.0	6475.3
4763.2	20°	4838.2	4964.6	5292.4	5734.8	6171.2	6505.0	6670.8	6698.5	6706.4	6712.3
4858.0	22.5°	4960.7	5130.5	5594.6	6212.7	6680.7	6911.8	6935.5	6817.0	6651.1	6574.1
4950.8	25°	5095.0	5320.1	5989.5	6740.0	7119.1	7146.8	6965.1	6676.8	6362.8	6218.6
5025.8	27.5°	5225.3	5539.3	6463.5	7243.5	7435.1	7192.2	6801.2	6392.4	6013.2	5861.2
5079.2	30°	5355.6	5790.1	6986.8	7683.9	7579.2	7079.6	6542.5	6086.3	5705.2	5545.2
5126.5	32.5°	5487.9	6082.3	7589.1	8001.8	7553.6	6840.7	6220.6	5742.7	5407.0	5239.1
5168.0	35°	5638.0	6441.8	8159.8	8175.6	7381.8	6489.2	5796.0	5331.9	5039.7	4905.4
5217.4	37.5°	5833.5	6897.9	8663.4	8219.1	7081.6	5973.7	5268.7	4846.1	4605.2	4544.0
5290.5	40°	6076.4	7446.9	9048.5	8150.0	6637.3	5347.7	4692.1	4354.4	4218.1	4232.0
5389.2	42.5°	6392.4	8061.1	9319.0	7972.2	6019.2	4702.0	4186.6	4036.5	4101.6	4156.9
5537.3	45°	6803.1	8698.9	9486.9	7670.1	5320.1	4155.0	3888.4	3923.9	3973.3	3979.2
5776.3	47.5°	7328.4	9344.7	9597.5	7213.9	4607.2	3769.9	3698.8	3706.7	3696.8	3655.3
6133.7	50°	7984.1	9972.7	9696.2	6609.6	4000.9	3528.9	3434.2	3406.5	3270.2	3136.0
6609.6	52.5°	8730.5	10549.3	9737.7	5859.2	3528.9	3327.5	3173.5	2999.7	2745.0	2703.5
7208.0	55°	9559.9	11082.5	9631.0	4937.0	3132.0	3068.8	2835.8	2626.5	2598.8	2563.3
7995.9	57.5°	10551.3	11657.2	9413.8	3908.1	2725.2	2766.7	2539.6	2563.3	2513.9	2458.6
9009.0	60°	11635.5	12251.6	9032.7	2970.1	2304.6	2389.5	2462.6	2460.6	2446.8	2401.3
10077.3	62.5°	12611.0	12642.6	8282.3	2275.0	1935.3	2097.2	2296.7	2294.7	2282.9	2257.2
11193.1	65°	13191.6	12583.3	7030.2	1791.1	1631.2	1856.3	2071.6	2087.4	2089.3	2087.4
12032.4	67.5°	13088.9	11890.2	5312.2	1425.8	1380.4	1611.4	1848.4	1870.1	1885.9	1889.9
12139.0	70°	11927.7	10367.6	3463.8	1137.5	1157.2	1396.2	1637.1	1658.8	1672.6	1688.4
10533.5	72.5°	9297.3	7622.7	1982.7	920.3	961.7	1210.5	1427.8	1453.4	1461.3	1491.0
7330.4	75°	5665.7	4482.8	1070.3	724.7	789.9	1034.8	1220.4	1250.0	1263.9	1299.4
3600.0	77.5°	2693.6	1941.2	610.2	564.8	635.9	845.2	1030.8	1064.4	1026.9	1046.6
993.3	80°	910.4	720.8	385.1	430.5	485.8	659.6	825.5	859.0	780.0	776.1
329.8	82.5°	317.9	292.3	244.9	286.3	314.0	472.0	624.0	667.5	580.6	578.6
148.1	85°	124.4	118.5	136.3	156.0	187.6	290.3	410.8	432.5	357.4	288.3
43.4	87.5°	25.7	27.6	33.6	35.5	57.3	100.7	148.1	181.7	144.2	122.4
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>
4257.6
4417.6
4650.6
4919.2
5225.3
5574.8
6005.3
6473.4
6728.1
6595.8
6240.3
5878.9
5563.0
5260.8
4935.0
4587.4
4279.4
4208.3
4018.7
3686.9
3153.7
2717.3
2569.2
2448.7
2385.5
2247.3
2087.4
1893.8
1696.3
1502.8
1303.4
1030.8
768.2
551.0
284.4
112.6
0.0

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