

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: P953309

Luminaire Tested: **GALN-SB6D-927-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953309
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
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-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38065 lumens
Efficiency: N/A
Efficacy: 86.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G4

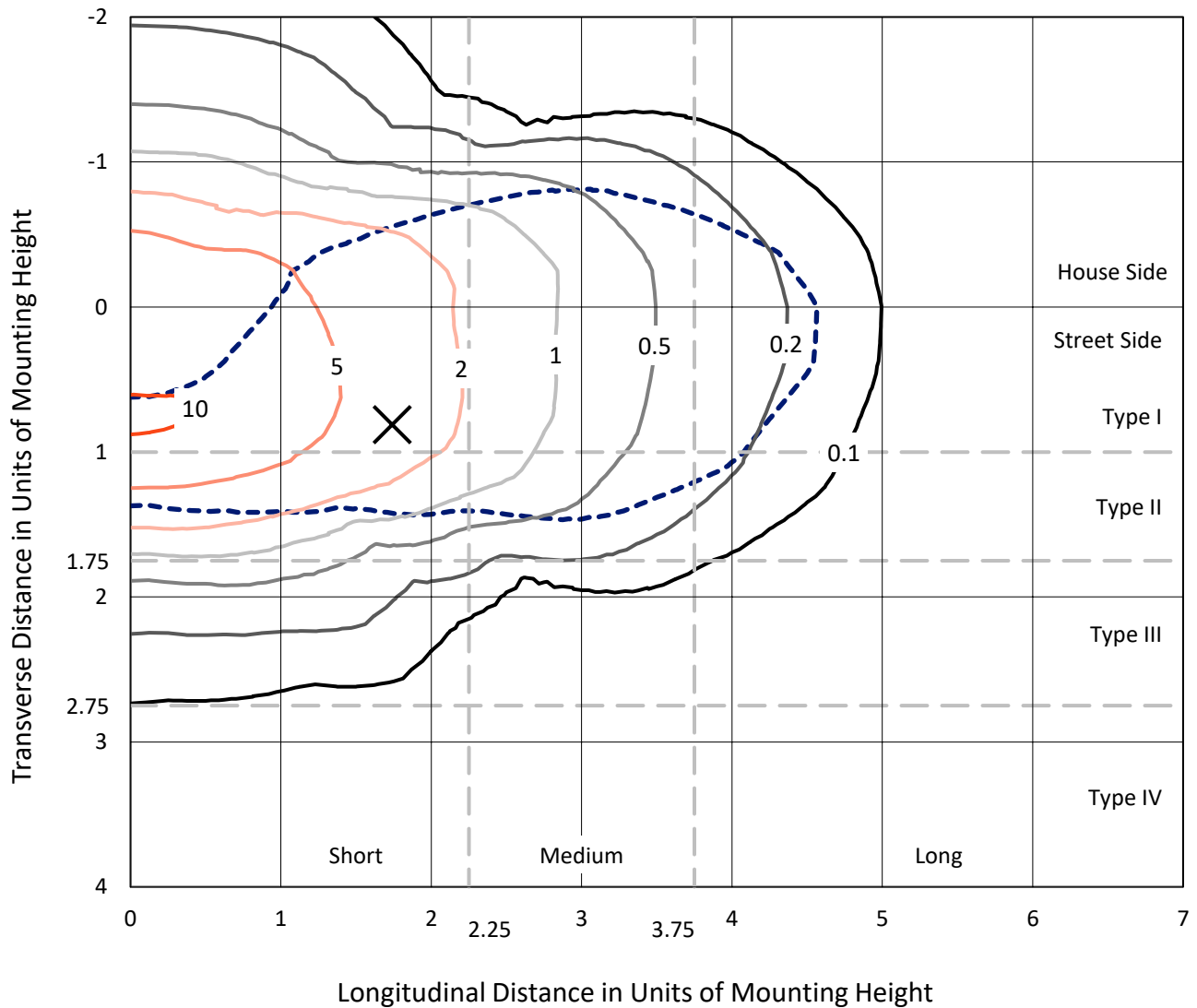
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

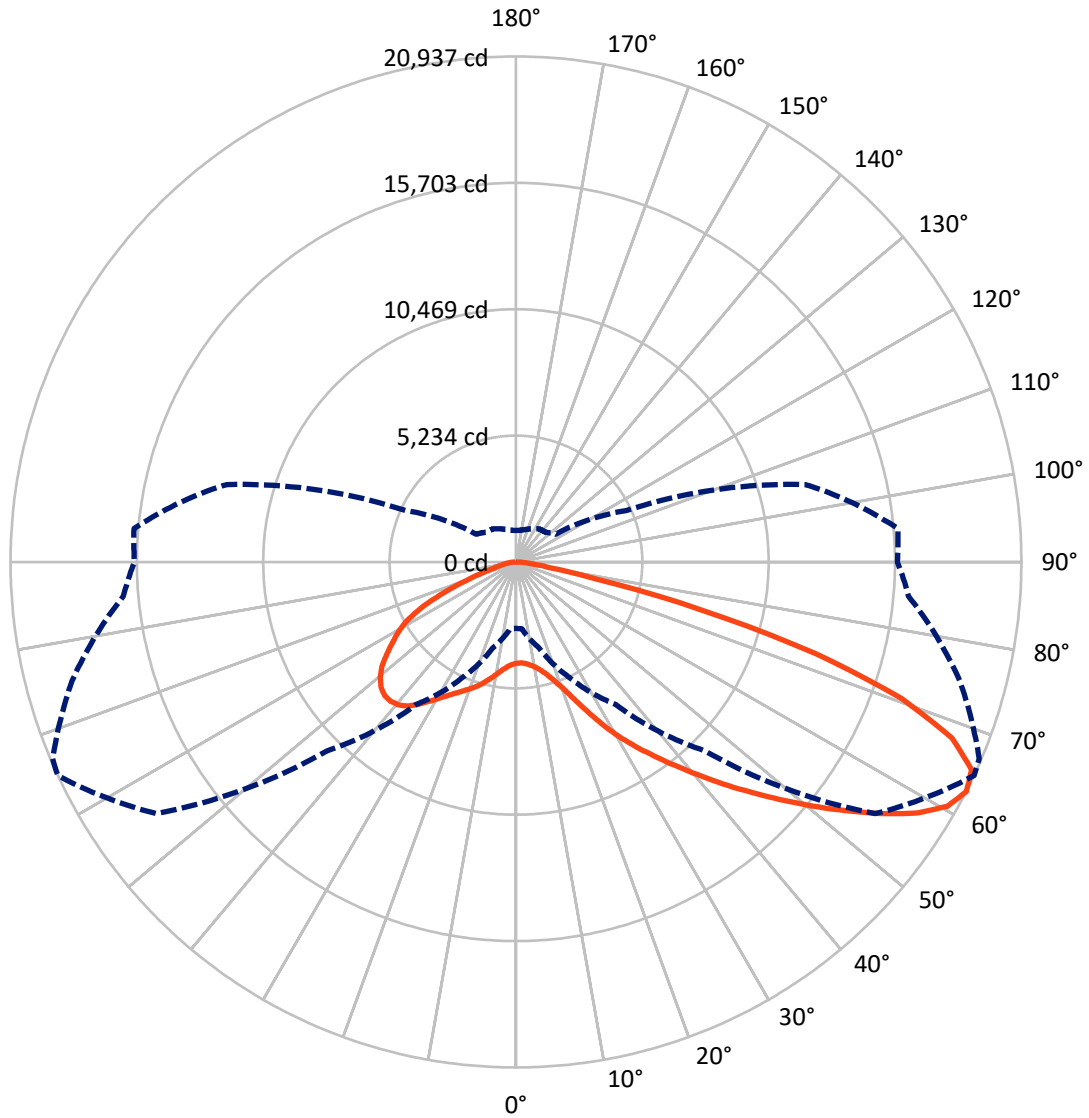
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12011.7	0.0	12011.7
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	26053.3	0.0	26053.3
	% Fixture	68.4	0.0	68.4
Total	Lumens	38065.0	0.0	38065.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	418.2	1.1
10°-20°	1418.1	3.7
20°-30°	2875.4	7.6
30°-40°	4975.9	13.1
40°-50°	7530.1	19.8
50°-60°	8828.5	23.2
60°-70°	7401.6	19.4
70°-80°	4086.3	10.7
80°-90°	530.8	1.4
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°	38065.0	100.0
0°-180°	38065.0	100.0



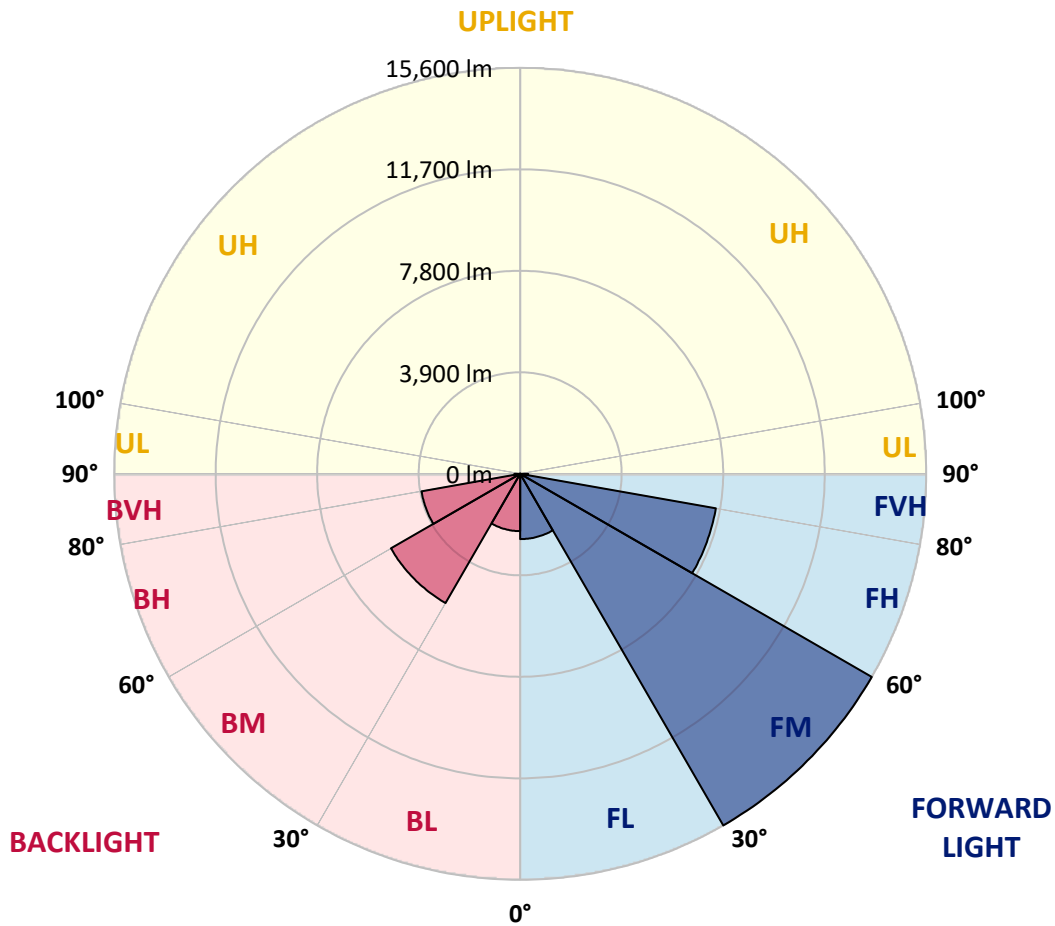
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2509.0	6.6			
FM (30°-60°)	15600.3	41.0			
FH (60°-80°)	7634.7	20.1			G4/12000
FVH (80°-90°)	309.4	0.8			G3/500
BL (0°-30°)	2202.8	5.8	B3/2500		
BM (30°-60°)	5734.2	15.1	B4/8500		
BH (60°-80°)	3853.2	10.1	B4/5000		G4/5000
BVH (80°-90°)	221.4	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	4194.6	4194.6	4194.6	4194.6	4194.6	4194.6	4194.6	4194.6	4194.6	4194.6
2.5°	4166.9	4155.1	4165.0	4165.0	4168.9	4166.9	4180.8	4184.7	4190.6	4202.5
5°	4125.5	4123.5	4141.3	4157.1	4172.9	4186.7	4204.5	4230.1	4234.1	4247.9
7.5°	4111.7	4099.8	4127.5	4147.2	4184.7	4218.3	4265.7	4309.1	4326.9	4332.8
10°	4218.3	4198.5	4224.2	4236.1	4267.7	4301.2	4356.5	4425.7	4445.4	4469.1
12.5°	4400.0	4378.3	4415.8	4433.6	4463.2	4492.8	4530.3	4597.5	4607.3	4650.8
15°	4648.8	4623.1	4646.8	4668.6	4717.9	4745.6	4783.1	4848.3	4848.3	4881.8
17.5°	4986.5	4952.9	4970.7	4978.6	5010.2	5051.7	5114.9	5172.2	5201.8	5189.9
20°	5490.1	5448.6	5448.6	5409.1	5397.3	5430.9	5513.8	5592.8	5624.4	5563.2
22.5°	6246.5	6187.2	6153.7	6019.4	5966.0	5970.0	6052.9	6149.7	6175.4	6066.8
25°	7208.2	7115.4	7070.0	6872.5	6752.0	6647.4	6712.5	6837.0	6872.5	6738.2
27.5°	8170.0	8175.9	8132.5	7895.5	7696.0	7504.5	7470.9	7601.2	7638.7	7486.7
30°	9518.8	9378.6	9295.7	9011.3	8726.9	8458.3	8320.1	8373.4	8383.3	8201.6
32.5°	10682.0	10646.5	10468.7	10219.9	9854.5	9433.9	9202.8	9117.9	9102.1	8843.4
35°	12007.1	11987.4	11799.8	11503.5	11108.6	10524.0	10107.3	9864.4	9844.7	9481.3
37.5°	13354.0	13354.0	13170.3	12846.4	12437.7	11707.0	11073.0	10687.9	10624.7	10150.8
40°	14428.3	14363.1	14396.7	14260.4	13792.4	13016.3	12145.4	11586.5	11501.6	10932.8
42.5°	15038.5	15016.8	15218.3	15370.3	15178.8	14558.7	13326.3	12560.1	12441.6	11793.9
45°	15174.8	15151.1	15510.5	16067.4	16336.0	16081.3	14610.0	13585.0	13440.9	12694.4
47.5°	14860.8	14813.4	15340.7	16219.5	17080.5	17528.8	16000.3	14696.9	14487.6	13571.2
50°	13916.8	13871.4	14669.2	15836.4	17331.4	18512.3	17509.1	15875.9	15556.0	14511.3
52.5°	11864.9	11886.7	13136.8	14740.3	17001.6	19124.5	18808.5	17118.1	16733.0	15473.0
55°	9242.3	9289.7	10826.2	12591.7	15682.3	19031.7	19695.3	18397.8	18014.7	16377.5
57.5°	6617.7	6827.1	8266.8	10014.5	13148.6	17560.4	19888.8	19614.3	19243.0	17364.9
60°	4289.4	4326.9	5808.1	7569.6	10012.5	14945.7	19495.8	20536.5	20246.2	18372.1
62.5°	2749.0	2774.7	3677.2	5294.6	7206.3	11057.2	18172.6	20937.4	20848.6	19037.6
65°	2020.3	2000.5	2470.5	3499.4	4854.2	6819.2	15603.4	20743.9	20919.7	19454.3
67.5°	1686.5	1658.9	1889.9	2423.2	3576.5	3872.7	11545.0	19485.9	20129.7	19406.9
70°	1536.4	1512.7	1653.0	1799.1	2790.5	2593.0	5819.9	16940.3	17931.7	18867.8
72.5°	1301.4	1260.0	1451.5	1597.7	2170.4	1988.7	2405.4	13012.3	14221.0	17139.8
75°	1009.2	981.5	1145.4	1406.1	1631.2	1552.2	1520.6	7901.4	9220.6	13255.2
77.5°	799.8	762.3	912.4	1096.0	1467.3	1171.1	1107.9	3402.7	4710.0	8462.3
80°	602.3	568.8	693.2	867.0	1127.6	882.8	716.9	1388.3	1775.4	4287.4
82.5°	428.5	398.9	483.8	635.9	758.3	791.9	440.4	778.1	874.9	1653.0
85°	274.5	256.7	323.9	398.9	481.9	509.5	268.6	406.8	446.3	681.3
87.5°	150.1	122.4	173.8	185.6	223.2	203.4	128.4	148.1	160.0	246.9
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°
4194.6	0°	4194.6	4194.6	4194.6	4194.6	4194.6	4194.6	4194.6	4194.6	4194.6	4194.6
4202.5	2.5°	4210.4	4216.3	4236.1	4242.0	4255.8	4273.6	4285.4	4297.3	4297.3	4309.1
4265.7	5°	4267.7	4281.5	4323.0	4344.7	4380.2	4415.8	4437.5	4463.2	4479.0	4486.9
4366.4	7.5°	4378.3	4400.0	4459.2	4496.8	4558.0	4607.3	4640.9	4676.5	4684.4	4706.1
4506.6	10°	4528.3	4554.0	4621.2	4692.3	4765.3	4826.6	4858.2	4883.8	4893.7	4897.6
4686.3	12.5°	4700.2	4737.7	4824.6	4911.5	4988.5	5041.8	5049.7	5043.8	5016.1	4992.4
4907.5	15°	4911.5	4945.0	5041.8	5136.6	5211.6	5221.5	5172.2	5140.6	5107.0	5101.1
5154.4	17.5°	5164.3	5182.0	5270.9	5363.7	5369.6	5336.1	5263.0	5233.4	5201.8	5180.1
5476.3	20°	5458.5	5452.6	5515.8	5555.3	5513.8	5411.1	5300.5	5251.1	5219.5	5193.9
5871.3	22.5°	5810.0	5764.6	5756.7	5746.8	5636.2	5421.0	5270.9	5207.7	5158.3	5122.8
6422.2	25°	6321.5	6147.7	6027.3	5960.1	5711.3	5367.7	5176.1	5035.9	4943.1	4881.8
7095.7	27.5°	6961.4	6669.1	6365.0	6201.1	5711.3	5259.0	4947.0	4719.9	4567.8	4504.7
7747.4	30°	7571.6	7265.5	6817.2	6491.4	5697.5	5081.3	4577.7	4261.7	4084.0	4020.8
8304.3	32.5°	8093.0	7759.2	7297.1	6809.3	5663.9	4793.0	4119.6	3770.0	3598.2	3523.1
8855.3	35°	8576.8	8221.3	7779.0	7158.9	5575.0	4370.4	3616.0	3349.4	3157.8	3037.3
9416.1	37.5°	9072.5	8649.9	8235.2	7474.8	5415.1	3876.6	3228.9	3001.8	2776.7	2614.7
10012.5	40°	9611.6	9106.1	8722.9	7662.4	5152.4	3406.6	2928.7	2721.4	2482.4	2310.6
10699.8	42.5°	10241.6	9653.1	9266.0	7759.2	4793.0	3072.9	2733.2	2529.8	2304.7	2164.4
11436.4	45°	10899.2	10255.4	9761.7	7757.2	4392.1	2916.9	2670.0	2468.6	2219.7	2073.6
12192.8	47.5°	11588.5	10885.4	10190.3	7630.9	4044.5	2938.6	2634.5	2336.3	2061.8	1919.6
12957.0	50°	12279.7	11574.6	10605.0	7393.9	3896.4	2891.2	2502.1	2150.6	1826.7	1698.4
13673.9	52.5°	12964.9	12307.3	10962.4	7056.2	3746.3	2715.4	2332.3	1909.7	1730.0	1641.1
14414.5	55°	13654.2	13032.1	11351.5	6564.4	3371.1	2510.0	2047.9	1818.8	1653.0	1572.0
15139.3	57.5°	14345.4	13869.4	11720.8	6072.7	2899.1	2257.3	1891.9	1708.3	1575.9	1506.8
15745.5	60°	15064.2	14827.2	12101.9	5620.4	2433.0	1933.4	1777.4	1619.4	1485.1	1408.1
16328.1	62.5°	15804.8	15881.8	12400.1	5037.9	2004.5	1735.9	1674.7	1512.7	1382.4	1309.3
16810.0	65°	16551.3	16898.9	12595.6	4230.1	1625.3	1548.3	1564.1	1396.2	1263.9	1200.7
17163.5	67.5°	17114.1	17631.5	12540.3	3201.2	1333.0	1370.6	1425.8	1273.8	1149.4	1100.0
17106.2	70°	17177.3	17544.6	11995.3	2192.1	1115.8	1196.8	1271.8	1153.3	1025.0	989.4
16300.5	72.5°	16336.0	16359.7	10476.6	1431.8	944.0	1050.6	1109.9	1030.9	906.5	870.9
14260.4	75°	14130.1	13529.8	7692.1	944.0	789.9	902.5	957.8	902.5	782.0	789.9
10670.2	77.5°	10705.7	9582.0	4670.5	671.5	659.6	758.3	833.4	793.9	691.2	776.1
5365.7	80°	5515.8	5184.0	2083.5	501.6	521.4	606.3	685.3	633.9	547.0	521.4
1198.7	82.5°	1263.9	1469.3	821.5	359.4	377.2	436.4	523.3	475.9	393.0	331.8
499.6	85°	442.4	483.8	363.4	225.1	221.2	272.5	355.5	318.0	266.6	213.3
211.3	87.5°	140.2	183.7	136.3	90.8	94.8	122.4	163.9	150.1	124.4	81.0
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>
4194.6
4309.1
4490.8
4698.2
4887.8
4992.4
5101.1
5182.0
5195.9
5134.6
4905.5
4536.2
4058.3
3560.7
3076.8
2658.2
2344.2
2192.1
2097.3
1939.3
1706.3
1641.1
1564.1
1495.0
1402.1
1307.4
1198.7
1102.0
991.4
868.9
762.3
683.3
475.9
327.8
225.1
84.9
0.0

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