

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: P942769

Luminaire Tested: **GALN-SB6D-935-U-T4FT**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942769
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6D-935-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42428 lumens
Efficiency: N/A
Efficacy: 96.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

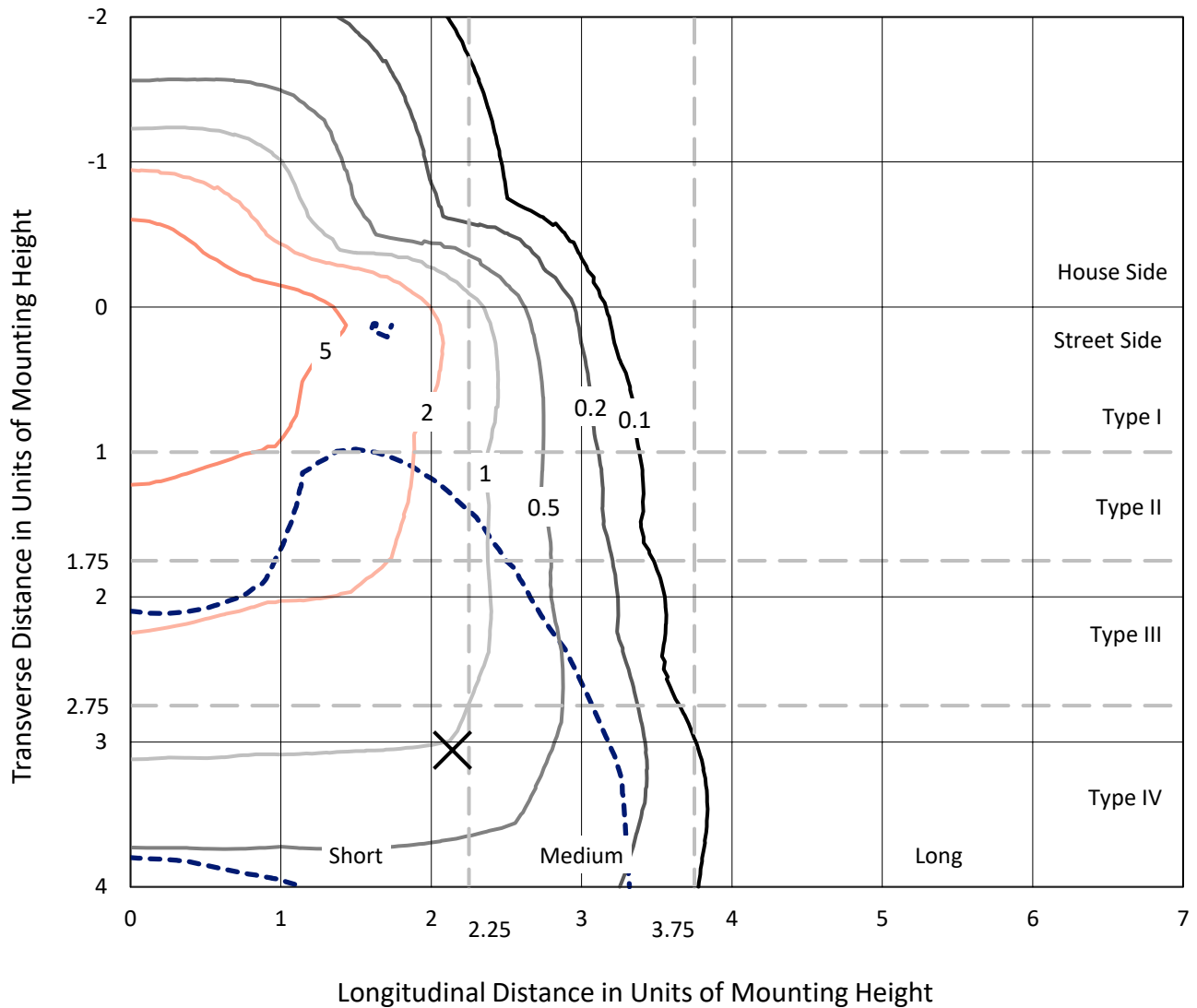
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P942769
 CATALOG NUMBER: GALN-SB6D-935-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination

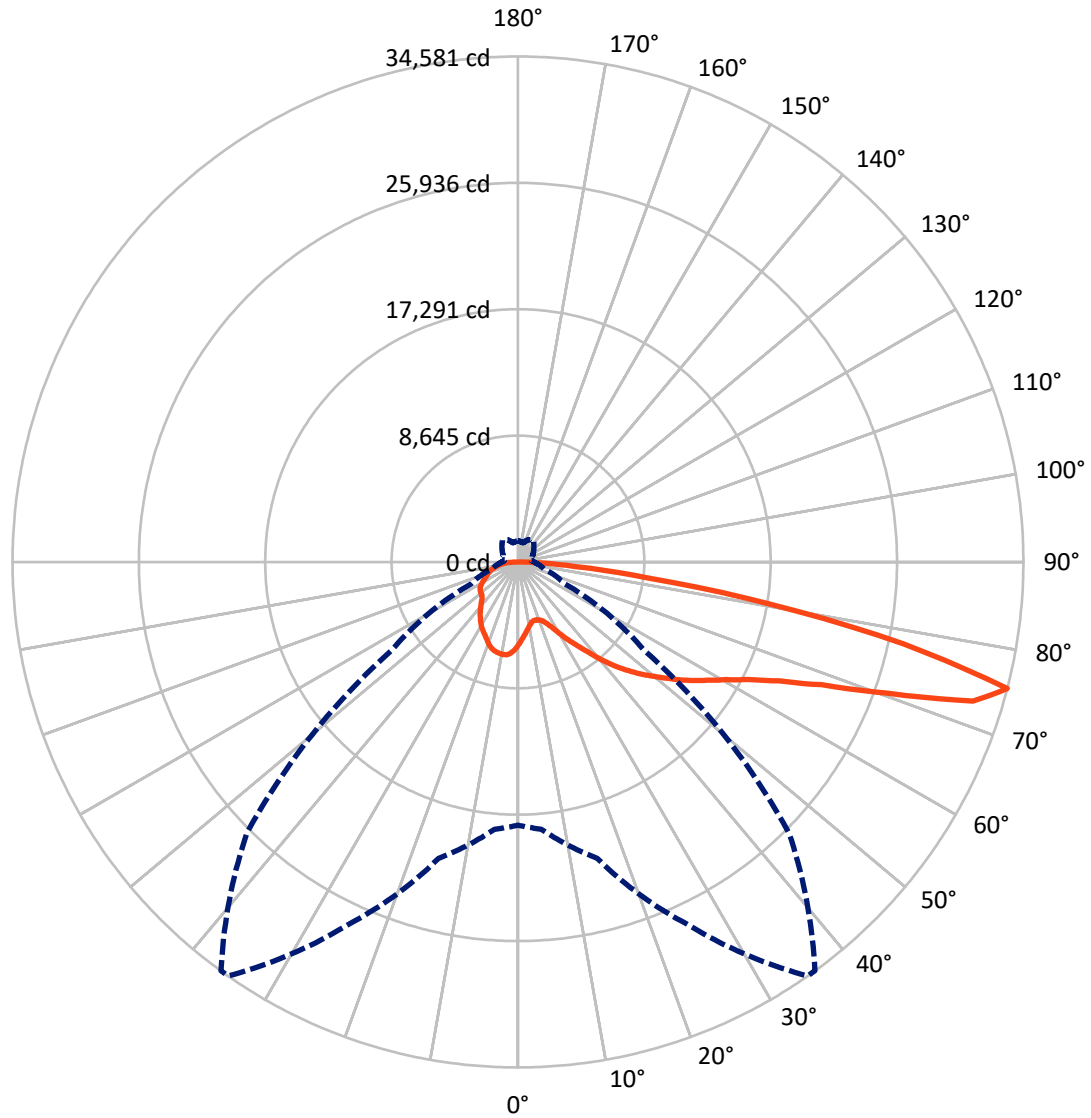
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 fc
 Type IV - Short - N/A

REPORT NUMBER: P942769
CATALOG NUMBER: GALN-SB6D-935-U-T4FT

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P942769

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10096.8	0.0	10096.8
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	32331.2	0.0	32331.2
	% Fixture	76.2	0.0	76.2
Total	Lumens	42428.0	0.0	42428.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	535.3	1.3
10°-20°	1544.1	3.6
20°-30°	2592.9	6.1
30°-40°	4029.7	9.5
40°-50°	5981.1	14.1
50°-60°	8257.3	19.5
60°-70°	10017.9	23.6
70°-80°	8279.1	19.5
80°-90°	1190.8	2.8
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°	42428.0	100.0
0°-180°	42428.0	100.0

Coefficient of Utilization



REPORT NUMBER: P942769

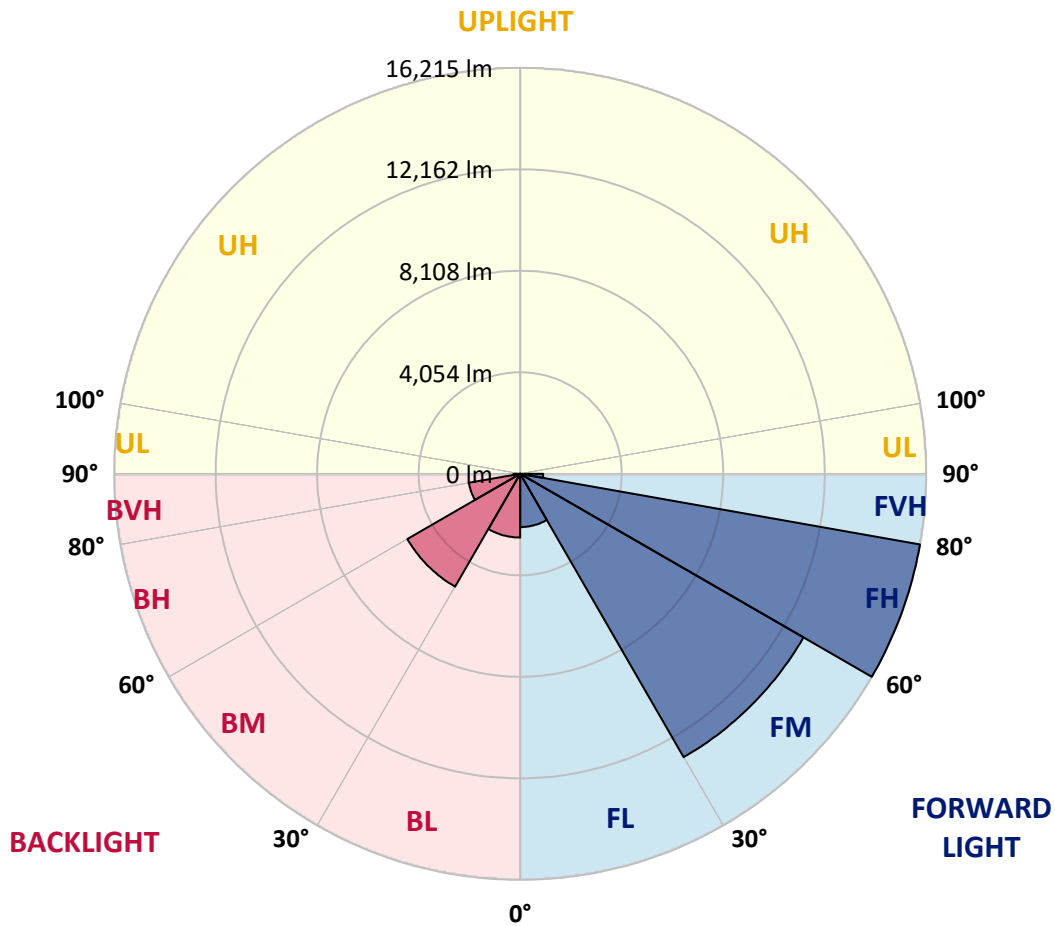
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2127.7	5.0			
FM (30°-60°)	13065.5	30.8			
FH (60°-80°)	16215.4	38.2			G5
FVH (80°-90°)	922.6	2.2			G5
BL (0°-30°)	2544.5	6.0	B4/5000		
BM (30°-60°)	5202.5	12.3	B4/8500		
BH (60°-80°)	2081.6	4.9	B3/2500		G3/2500
BVH (80°-90°)	268.1	0.6			G3/500
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 Short



REPORT NUMBER: P942769

CATALOG NUMBER: GALN-SB6D-935-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	5653.8	5653.8	5653.8	5653.8	5653.8	5653.8	5653.8	5653.8	5653.8	5653.8
2.5°	5213.4	5245.6	5259.3	5252.4	5286.8	5282.2	5330.4	5390.0	5472.6	5552.9
5°	4812.1	4846.5	4876.3	4903.8	4970.3	4991.0	5066.6	5181.3	5332.7	5486.4
7.5°	4438.2	4468.0	4513.9	4564.3	4676.7	4697.4	4823.5	5002.4	5213.4	5438.2
10°	4133.1	4163.0	4211.1	4268.5	4408.4	4433.6	4594.2	4832.7	5107.9	5392.3
12.5°	4002.4	4011.6	4039.1	4096.4	4218.0	4234.1	4410.7	4683.6	5004.7	5357.9
15°	3995.5	4013.9	4016.2	4046.0	4146.9	4153.8	4316.6	4587.3	4940.5	5351.1
17.5°	4064.3	4078.1	4057.4	4075.8	4160.7	4172.1	4300.6	4541.4	4919.9	5380.9
20°	4247.8	4259.3	4197.4	4172.1	4234.1	4243.2	4369.4	4571.2	4940.5	5442.8
22.5°	4637.7	4644.6	4493.2	4390.0	4394.6	4399.2	4509.3	4692.8	5020.8	5555.2
25°	5245.6	5241.0	5000.1	4800.6	4685.9	4660.7	4734.1	4890.0	5156.1	5704.3
27.5°	5956.6	5922.2	5681.3	5383.2	5133.2	5096.5	5080.4	5146.9	5348.8	5901.5
30°	6759.4	6727.2	6468.1	6078.1	5731.8	5672.2	5520.8	5486.4	5635.5	6169.9
32.5°	7640.1	7619.5	7309.8	6837.3	6374.0	6305.2	6050.6	5958.9	6075.8	6575.9
35°	8378.7	8360.3	8103.4	7617.2	7050.6	6965.8	6706.6	6603.4	6663.0	7096.5
37.5°	9046.1	9036.9	8816.7	8433.7	7848.8	7745.6	7454.3	7419.9	7408.5	7782.3
40°	9665.4	9642.5	9413.1	9211.3	8777.8	8683.7	8426.8	8397.0	8309.9	8626.4
42.5°	10351.2	10291.6	9959.0	9864.9	9748.0	9670.0	9516.3	9520.9	9328.2	9578.2
45°	10910.8	10876.4	10534.7	10479.6	10605.8	10573.7	10706.7	10741.1	10367.2	10576.0
47.5°	11511.8	11479.7	11190.7	11151.7	11493.4	11502.6	11972.8	11984.3	11381.0	11612.7
50°	12252.6	12206.7	11920.0	11968.2	12351.2	12385.6	13245.8	13167.8	12314.5	12665.5
52.5°	12741.2	12768.7	12706.8	12784.7	13307.7	13339.8	14498.1	14298.5	13238.9	13704.5
55°	13101.3	13156.3	13349.0	13527.9	14316.9	14349.0	15679.3	15374.3	14005.0	14667.8
57.5°	13564.6	13486.6	13846.7	14195.3	15275.6	15360.5	16828.4	16411.0	14683.9	15498.1
60°	14229.7	14174.7	14454.5	14970.6	16349.1	16484.4	18044.1	17344.5	15181.6	16156.4
62.5°	15578.4	15440.8	15484.4	15940.8	17702.3	17881.2	19415.6	18158.7	15429.3	16413.3
65°	17594.5	17358.3	17138.1	17454.6	19608.3	19784.9	20963.9	18798.7	15337.6	15915.6
67.5°	20133.6	19899.6	19629.0	19927.1	22415.7	22555.6	22874.5	19158.8	14615.1	13998.1
70°	22227.6	22140.5	22463.9	23691.0	26899.8	26904.4	25324.1	18860.6	12635.7	9924.6
72.5°	21950.1	21897.4	23601.5	27395.2	32551.3	32429.7	27642.9	16603.6	8511.7	4477.2
75°	18007.4	18349.1	20989.1	27328.7	34581.2	34565.1	26223.2	10555.3	3520.7	1855.6
77.5°	9656.2	10197.5	13626.5	20177.1	26996.1	27402.1	18436.3	3692.8	1511.5	1188.1
80°	3149.2	3621.7	5431.3	10273.2	17541.7	17466.1	7901.6	1449.6	1034.4	841.8
82.5°	1337.2	1392.2	2426.7	4851.0	9002.5	8862.6	2516.1	832.6	727.1	575.7
85°	522.9	584.9	1071.1	2243.2	3899.2	3814.3	908.3	412.9	465.6	376.2
87.5°	172.0	208.7	383.0	768.4	1213.3	1169.8	222.5	142.2	201.8	172.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P942769
 CATALOG NUMBER: GALN-SB6D-935-U-T4FT

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5653.8	0°	5653.8	5653.8	5653.8	5653.8	5653.8	5653.8	5653.8	5653.8	5653.8	5653.8
5669.9	2.5°	5702.0	5738.7	5782.3	5846.5	5901.5	5947.4	5995.6	6025.4	6036.9	6071.3
5679.0	5°	5743.3	5823.5	5931.3	6036.9	6140.1	6202.0	6257.0	6284.6	6309.8	6328.1
5704.3	7.5°	5812.1	5915.3	6085.0	6222.6	6309.8	6360.3	6397.0	6387.8	6397.0	6401.5
5731.8	10°	5871.7	6016.2	6218.1	6348.8	6415.3	6417.6	6408.4	6376.3	6360.3	6362.6
5773.1	12.5°	5942.8	6103.4	6321.3	6431.4	6449.7	6399.3	6360.3	6305.2	6284.6	6275.4
5835.0	15°	6039.1	6222.6	6433.7	6474.9	6429.1	6364.8	6298.3	6208.9	6163.0	6126.3
5940.5	17.5°	6156.1	6358.0	6520.8	6491.0	6392.4	6286.9	6179.1	6043.7	5949.7	5910.7
6085.0	20°	6319.0	6500.2	6587.3	6456.6	6307.5	6147.0	5963.5	5798.3	5711.2	5672.2
6268.5	22.5°	6516.2	6690.5	6651.6	6397.0	6185.9	5929.1	5699.7	5578.1	5534.5	5507.0
6504.8	25°	6752.5	6901.6	6697.4	6309.8	5986.4	5640.1	5463.4	5424.5	5403.8	5383.2
6793.8	27.5°	7059.8	7140.1	6731.8	6181.4	5674.5	5332.7	5268.5	5275.4	5268.5	5234.1
7195.1	30°	7465.8	7449.7	6763.9	5972.6	5316.7	5055.2	5059.8	5089.6	5094.2	5071.2
7754.8	32.5°	8000.2	7837.4	6780.0	5702.0	4974.9	4812.1	4816.6	4848.8	4871.7	4832.7
8486.5	35°	8647.0	8289.2	6754.8	5362.5	4711.1	4580.4	4546.0	4555.2	4562.0	4525.3
9374.1	37.5°	9401.6	8796.1	6642.4	4986.4	4493.2	4353.3	4279.9	4218.0	4181.3	4146.9
10378.7	40°	10229.6	9348.9	6435.9	4619.4	4250.1	4112.5	4002.4	3885.4	3761.6	3715.7
11443.0	42.5°	11096.6	9917.7	6185.9	4268.5	3970.3	3857.9	3740.9	3571.2	3385.4	3291.4
12548.5	45°	11995.7	10500.3	5940.5	3922.1	3683.6	3635.4	3500.1	3296.0	3094.1	2974.8
13656.3	47.5°	12876.5	11050.7	5580.4	3573.5	3415.2	3468.0	3362.5	3174.4	2949.6	2761.5
14755.0	50°	13718.2	11566.8	4991.0	3220.3	3197.3	3417.5	3316.6	3046.0	2789.1	2548.2
15833.0	52.5°	14553.1	11984.3	4236.3	2899.2	3080.4	3403.8	3257.0	2958.8	2644.6	2392.3
16846.8	55°	15261.9	12199.9	3509.3	2623.9	2910.6	3286.8	3185.9	2855.6	2440.4	2172.1
17541.7	57.5°	15665.5	12025.5	2903.7	2353.3	2676.7	3094.1	3064.3	2635.4	2197.3	1990.9
17677.1	60°	15491.2	11319.1	2408.3	2117.0	2454.2	2885.4	2853.3	2417.5	2011.5	1816.6
16952.3	62.5°	14530.2	9972.7	2016.1	1910.6	2252.4	2672.1	2642.3	2250.1	1869.3	1681.2
15027.9	65°	12594.4	8112.6	1711.1	1738.6	2048.2	2415.2	2458.8	2110.1	1756.9	1573.4
11626.5	67.5°	9605.8	5876.3	1472.5	1589.5	1848.7	2162.9	2289.1	2009.2	1662.9	1488.6
6727.2	70°	5474.9	3337.2	1270.7	1445.0	1672.1	1928.9	2158.3	1928.9	1562.0	1417.5
2520.7	72.5°	2075.7	1532.2	1098.7	1300.5	1502.3	1731.7	2013.8	1802.8	1445.0	1337.2
1302.8	75°	1107.8	933.5	924.3	1130.8	1307.4	1539.0	1832.6	1678.9	1357.8	1412.9
901.4	77.5°	754.6	660.6	773.0	967.9	1094.1	1325.7	1640.0	1490.9	1176.6	1172.0
623.9	80°	522.9	467.9	628.5	779.8	846.4	1114.7	1431.2	1279.9	958.7	894.5
385.3	82.5°	314.2	305.1	470.2	582.6	598.6	860.1	1185.8	1073.4	784.4	683.5
229.4	85°	172.0	181.2	300.5	341.8	348.6	600.9	928.9	830.3	603.2	506.9
82.6	87.5°	48.2	61.9	110.1	135.3	167.4	311.9	552.8	493.1	302.8	211.0
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>
5653.8
6069.0
6332.7
6408.4
6367.1
6270.8
6137.8
5913.0
5667.6
5511.6
5383.2
5241.0
5082.7
4851.0
4550.6
4169.8
3736.3
3302.8
2965.7
2740.9
2527.6
2364.7
2149.1
1963.4
1789.0
1651.4
1543.6
1461.0
1399.1
1318.8
<i>1458.8</i>
1080.3
855.5
688.1
511.5
211.0
0.0

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