

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: P942614

Luminaire Tested: **GALN-SB6C-950-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942614
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6C-950-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23070 lumens
Efficiency: N/A
Efficacy: 76.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

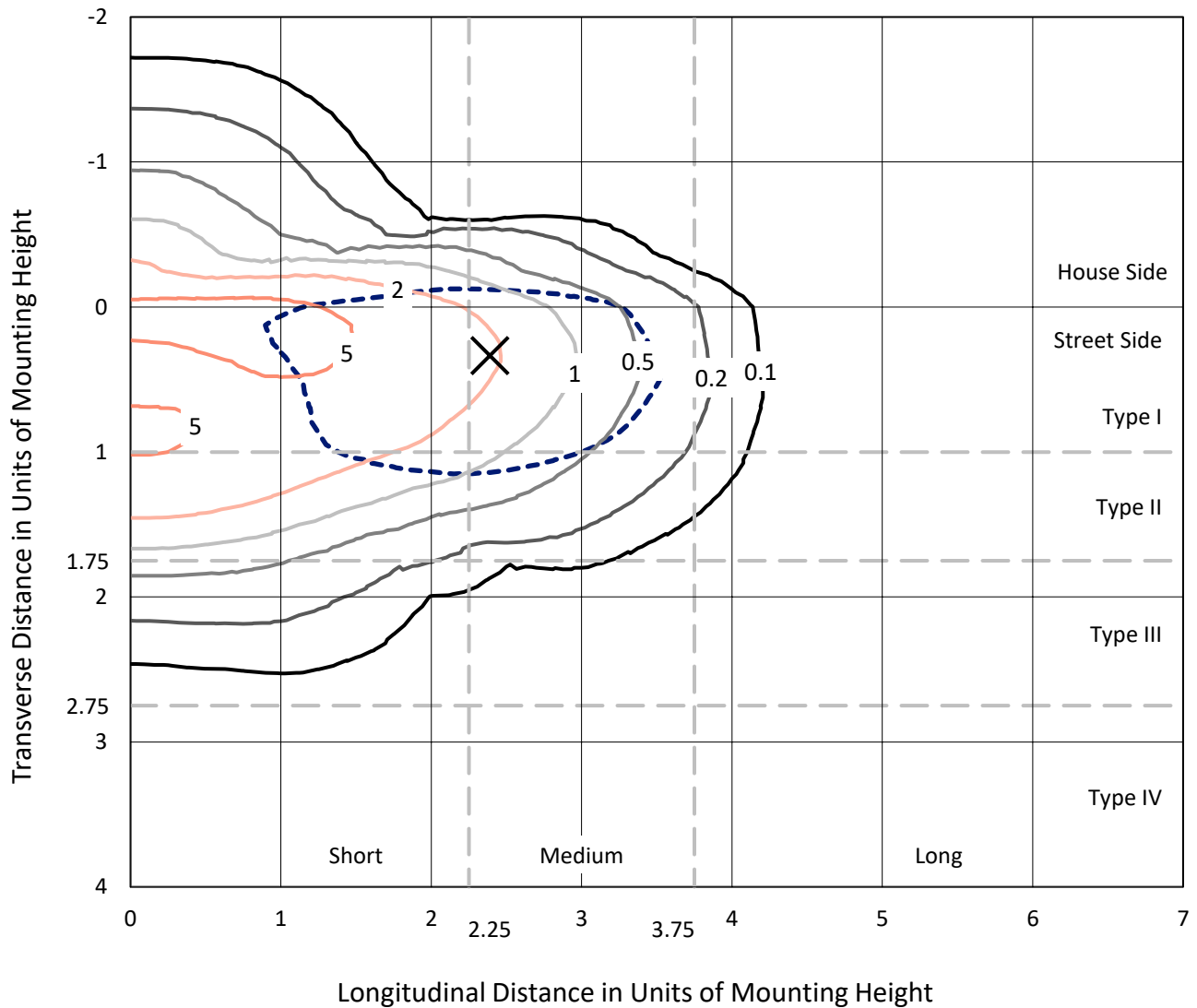
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

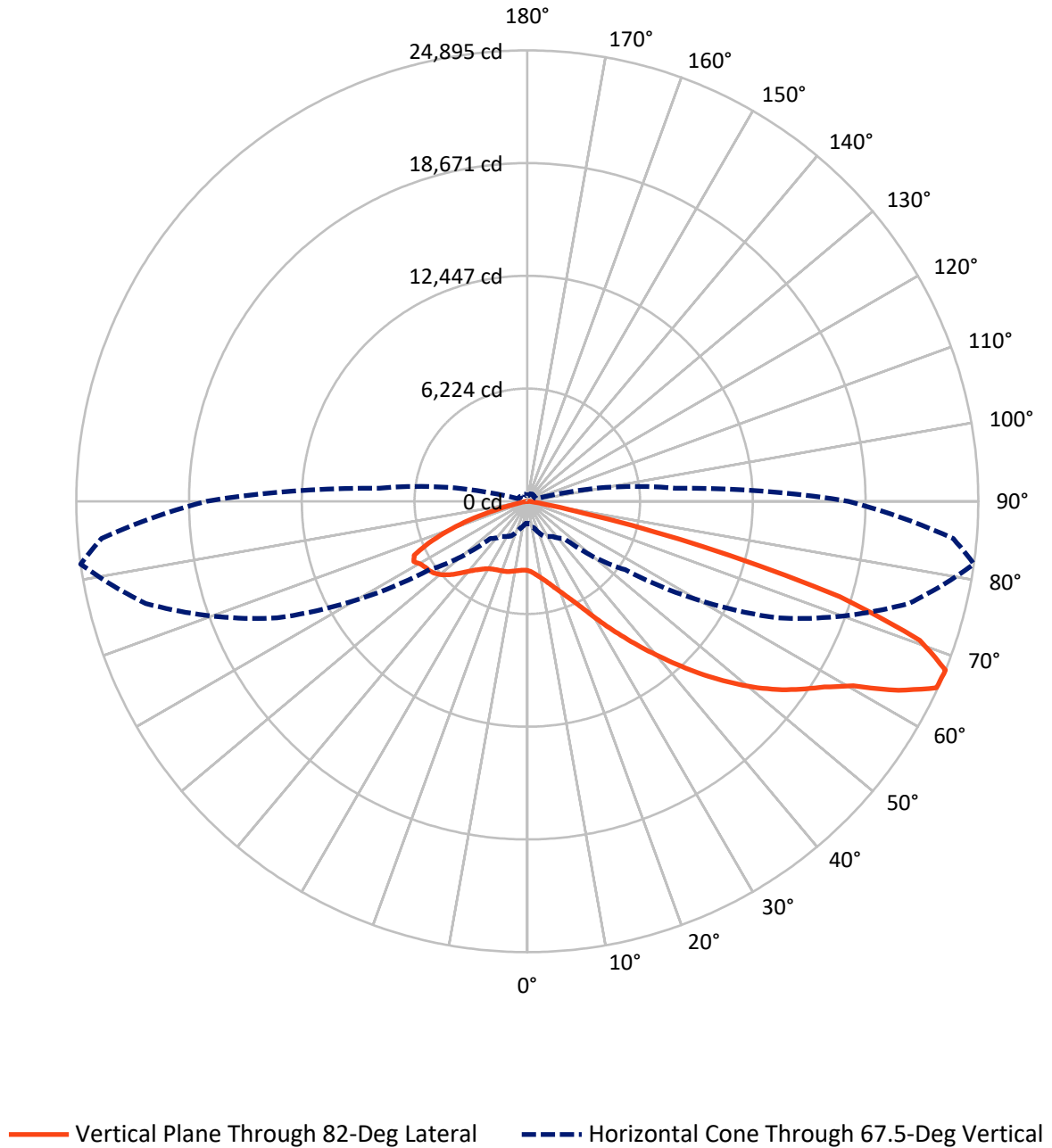
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4178.9	0.0	4178.9
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	18891.1	0.0	18891.1
	% Fixture	81.9	0.0	81.9
Total	Lumens	23070.0	0.0	23070.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	340.5	1.5
10°-20°	884.8	3.8
20°-30°	1417.2	6.1
30°-40°	2506.1	10.9
40°-50°	4390.9	19.0
50°-60°	5856.2	25.4
60°-70°	5451.9	23.6
70°-80°	2092.4	9.1
80°-90°	130.0	0.6
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°	23070.0	100.0
0°-180°	23070.0	100.0



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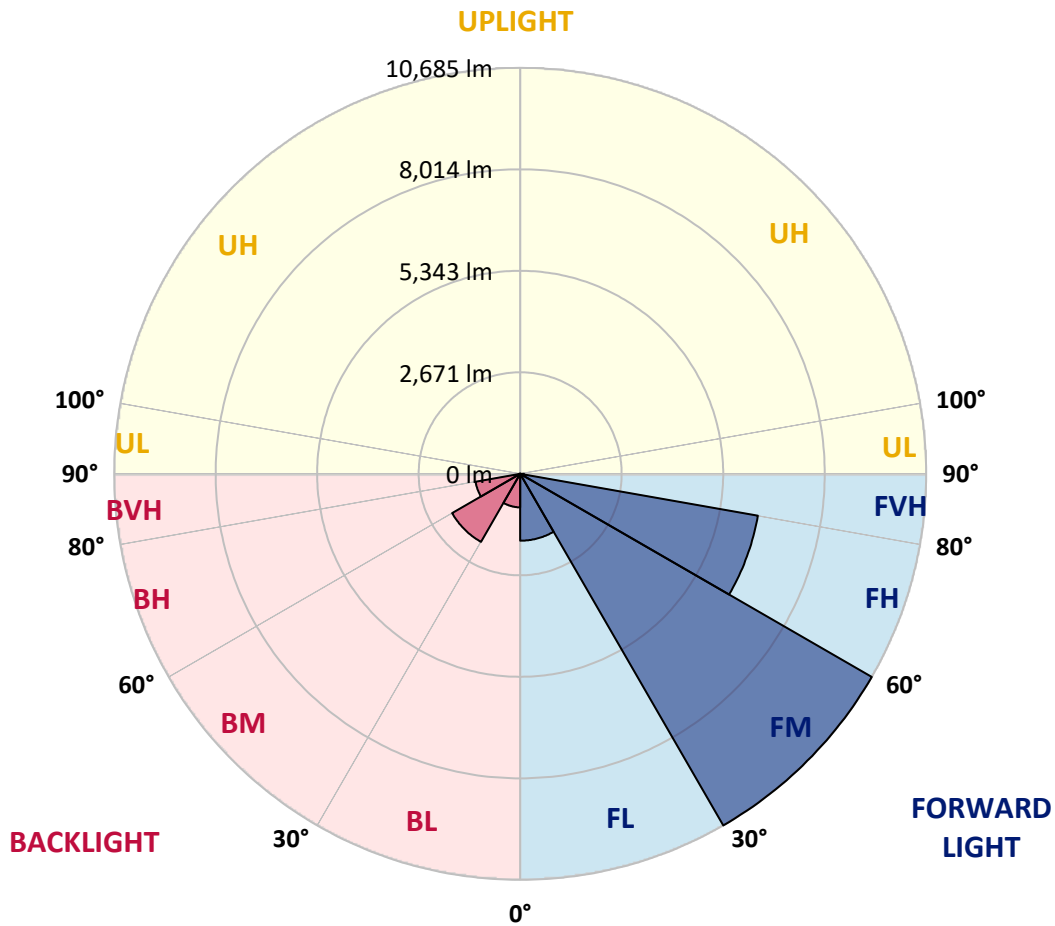
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1760.0	7.6			
FM (30°-60°)	10685.1	46.3			
FH (60°-80°)	6351.5	27.5			G3/7500
FVH (80°-90°)	94.5	0.4			G1/100
BL (0°-30°)	882.6	3.8	B2/1000		
BM (30°-60°)	2068.1	9.0	B2/2500		
BH (60°-80°)	1192.7	5.2	B3/2500		G3/2500
BVH (80°-90°)	35.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3821.9	3821.9	3821.9	3821.9	3821.9	3821.9	3821.9	3821.9	3821.9	3821.9
2.5°	4039.5	4062.8	4049.5	4042.8	4031.2	4014.6	4001.3	3959.8	3916.6	3888.4
5°	4120.9	4144.1	4142.5	4149.1	4157.4	4162.4	4159.1	4112.6	4051.1	4003.0
7.5°	4051.1	4077.7	4099.3	4132.5	4190.7	4252.1	4282.0	4272.0	4208.9	4142.5
10°	3853.5	3881.7	3933.2	4011.3	4134.2	4267.1	4378.3	4429.8	4390.0	4316.9
12.5°	3491.4	3519.6	3620.9	3790.4	3996.3	4227.2	4439.8	4577.7	4587.6	4514.5
15°	3084.4	3112.7	3220.6	3433.2	3747.2	4117.6	4473.0	4733.8	4821.8	4758.7
17.5°	2832.0	2856.9	2938.3	3109.4	3436.6	3898.3	4461.4	4899.9	5100.9	5051.0
20°	2755.6	2777.2	2815.4	2935.0	3207.4	3670.8	4385.0	5056.0	5401.5	5373.3
22.5°	2837.0	2856.9	2868.5	2921.7	3092.7	3521.3	4288.7	5215.5	5750.3	5753.6
25°	3024.6	3044.6	3031.3	3064.5	3139.3	3474.8	4252.1	5403.2	6188.8	6225.4
27.5°	3333.6	3335.3	3303.7	3302.0	3313.7	3544.5	4290.3	5604.2	6741.9	6810.0
30°	3953.1	3928.2	3807.0	3675.8	3616.0	3753.8	4396.6	5841.7	7394.7	7515.9
32.5°	4908.2	4871.7	4649.1	4335.2	4019.6	4091.0	4587.6	6112.4	8105.6	8324.8
35°	5944.7	5934.7	5702.1	5235.4	4684.0	4571.0	4898.2	6467.9	8881.3	9230.1
37.5°	6908.0	6903.0	6770.2	6220.4	5549.3	5240.4	5396.5	6932.9	9711.8	10216.7
40°	7788.3	7803.3	7670.4	7178.8	6502.7	6099.1	6074.2	7507.6	10635.3	11291.4
42.5°	8549.1	8565.7	8431.1	8067.4	7444.5	7049.2	6906.4	8211.9	11537.2	12445.7
45°	9065.6	9168.6	9148.7	8858.0	8411.2	8000.9	7906.3	9095.5	12565.3	13669.9
47.5°	9211.8	9306.5	9456.0	9495.8	9223.4	8819.8	8932.8	10160.2	13605.1	14895.7
50°	8851.4	8939.4	9250.0	9663.6	9852.9	9728.4	9931.0	11301.3	14669.8	16118.2
52.5°	8140.5	8230.2	8622.2	9276.6	10048.9	10440.9	10932.6	12425.8	15701.3	17275.9
55°	7112.3	7207.0	7710.3	8451.1	9675.2	10734.9	11768.1	13548.6	16646.4	18317.3
57.5°	5713.8	5783.5	6306.7	7343.2	8735.1	10442.6	12384.3	14774.4	17536.6	19340.5
60°	3723.9	3785.4	4393.3	5549.3	7177.1	9465.9	12507.2	16141.4	18719.3	20670.9
62.5°	2476.5	2518.0	2878.5	3727.2	5054.4	7590.7	11788.0	17232.7	20453.3	22986.3
65°	1699.2	1740.7	2101.1	2692.5	3265.5	5021.1	9720.1	17088.2	22024.6	24825.0
67.5°	1212.5	1247.4	1553.0	2111.1	2363.6	2916.7	6589.1	15241.2	21798.7	24894.8
70°	868.7	888.6	1141.1	1644.4	1878.6	1752.3	3664.1	11656.8	19086.3	22988.0
72.5°	607.9	614.6	792.3	1252.4	1513.2	1279.0	1744.0	7771.7	14435.6	18043.2
75°	411.9	420.2	533.2	918.5	1214.2	976.7	923.5	4167.4	8474.3	9987.5
77.5°	252.5	255.8	343.8	627.9	908.6	744.1	594.6	1765.6	3278.8	3219.0
80°	142.8	142.8	219.2	390.3	619.5	480.0	416.9	750.8	1038.1	911.9
82.5°	79.7	81.4	159.5	242.5	410.3	284.0	229.2	347.1	448.5	397.0
85°	33.2	36.5	98.0	114.6	196.0	141.2	93.0	146.2	166.1	147.8
87.5°	3.3	5.0	29.9	21.6	23.3	28.2	13.3	28.2	23.3	23.3
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°
3821.9	0°	3821.9	3821.9	3821.9	3821.9	3821.9	3821.9	3821.9	3821.9	3821.9	3821.9
3878.4	2.5°	3846.8	3821.9	3758.8	3685.7	3589.4	3542.9	3479.8	3436.6	3400.0	3403.4
3974.7	5°	3921.6	3858.5	3717.3	3541.2	3322.0	3165.8	2999.7	2885.1	2792.1	2772.2
4107.6	7.5°	4024.6	3924.9	3677.4	3360.2	2989.8	2709.1	2458.3	2297.1	2182.5	2146.0
4268.7	10°	4157.4	4012.9	3625.9	3132.6	2599.4	2242.3	1973.2	1847.0	1768.9	1742.4
4458.1	12.5°	4311.9	4114.3	3557.8	2855.2	2197.5	1853.7	1682.6	1619.5	1594.5	1586.2
4690.6	15°	4506.2	4240.5	3454.8	2526.4	1857.0	1616.1	1543.1	1534.7	1538.1	1534.7
4969.7	17.5°	4737.1	4378.3	3287.1	2187.5	1627.8	1494.9	1468.3	1475.0	1483.3	1481.6
5281.9	20°	4989.6	4514.5	3072.8	1886.9	1471.6	1408.5	1393.6	1400.2	1406.9	1403.5
5642.4	22.5°	5276.9	4660.7	2835.3	1652.7	1367.0	1328.8	1312.2	1313.8	1313.8	1307.2
6099.1	25°	5620.8	4821.8	2586.1	1486.6	1287.3	1257.4	1237.4	1230.8	1220.8	1200.9
6653.9	27.5°	6031.0	4992.9	2347.0	1370.3	1224.1	1195.9	1172.7	1156.0	1131.1	1097.9
7319.9	30°	6492.8	5200.5	2144.3	1297.2	1174.3	1146.1	1119.5	1094.6	1058.0	1016.5
8085.7	32.5°	7035.9	5423.1	1996.5	1249.1	1129.5	1099.6	1068.0	1038.1	998.2	956.7
8946.0	35°	7683.7	5692.2	1910.1	1215.8	1094.6	1054.7	1019.8	986.6	956.7	920.2
9881.2	37.5°	8386.3	5977.9	1883.6	1199.2	1071.3	1009.9	970.0	946.8	943.4	921.8
10892.7	40°	9155.3	6316.7	1903.5	1189.3	1046.4	966.7	923.5	918.5	926.8	888.6
11974.0	42.5°	9969.2	6718.7	1936.7	1177.6	1011.5	923.5	882.0	882.0	875.3	822.2
13116.8	45°	10849.5	7182.1	1969.9	1149.4	970.0	880.3	848.8	837.1	808.9	757.4
14266.2	47.5°	11736.5	7653.8	1994.8	1097.9	920.2	843.8	815.5	789.0	747.4	700.9
15394.0	50°	12578.6	8077.4	1968.3	1021.5	863.7	808.9	779.0	742.5	697.6	666.1
16462.0	52.5°	13331.0	8444.4	1855.3	931.8	803.9	772.4	745.8	707.6	671.0	637.8
17425.4	55°	13985.5	8741.7	1656.0	847.1	750.8	740.8	714.2	666.1	616.2	588.0
18380.4	57.5°	14613.3	8967.6	1406.9	777.3	702.6	705.9	666.1	622.9	576.4	546.5
19667.7	60°	15448.8	9269.9	1154.4	712.6	651.1	661.1	617.9	586.3	528.2	490.0
21875.1	62.5°	16784.2	9740.0	916.9	632.8	591.3	594.6	576.4	538.2	468.4	423.6
23511.2	65°	17843.9	9567.3	722.5	546.5	523.2	528.2	528.2	486.7	411.9	360.4
23599.2	67.5°	17724.3	8192.0	576.4	461.8	458.4	461.8	473.4	438.5	365.4	323.9
21802.0	70°	16327.4	6516.0	461.8	383.7	398.6	390.3	423.6	400.3	328.9	287.3
16902.1	72.5°	13322.7	4693.9	352.1	317.2	305.6	318.9	382.0	360.4	274.1	227.6
8952.7	75°	7785.0	2504.8	262.4	250.8	220.9	265.8	338.8	307.3	209.3	167.8
2743.9	77.5°	2534.7	873.7	192.7	184.4	164.4	214.3	289.0	259.1	171.1	132.9
803.9	80°	679.3	264.1	131.2	121.3	106.3	159.5	229.2	206.0	122.9	86.4
345.5	82.5°	272.4	111.3	76.4	68.1	58.1	109.6	181.0	166.1	91.4	54.8
108.0	85°	88.0	36.5	28.2	21.6	26.6	68.1	108.0	112.9	64.8	28.2
16.6	87.5°	11.6	5.0	5.0	6.6	5.0	11.6	33.2	31.6	18.3	3.3
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>
3821.9
3370.1
2727.3
2109.4
1722.4
1581.3
1533.1
1478.3
1401.9
1303.9
1197.6
1094.6
1013.2
958.4
916.9
920.2
890.3
822.2
755.7
699.3
661.1
634.5
584.7
543.1
485.0
420.2
355.5
317.2
282.4
222.6
162.8
127.9
84.7
54.8
21.6
0.0
0.0

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