

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: P942315

Luminaire Tested: **GALN-SB6B-735-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942315
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6B-735-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33834 lumens
Efficiency: N/A
Efficacy: 153.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

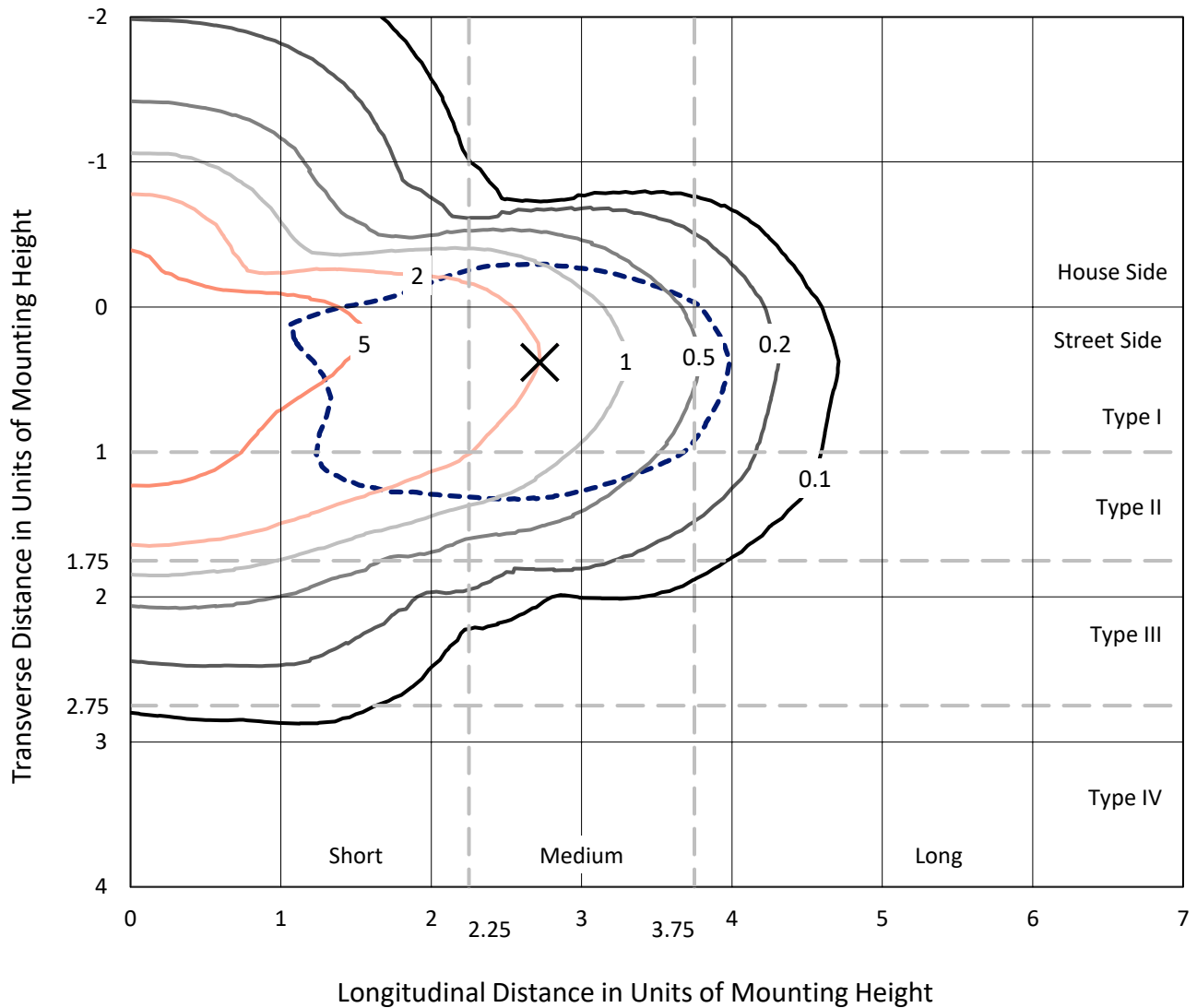
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

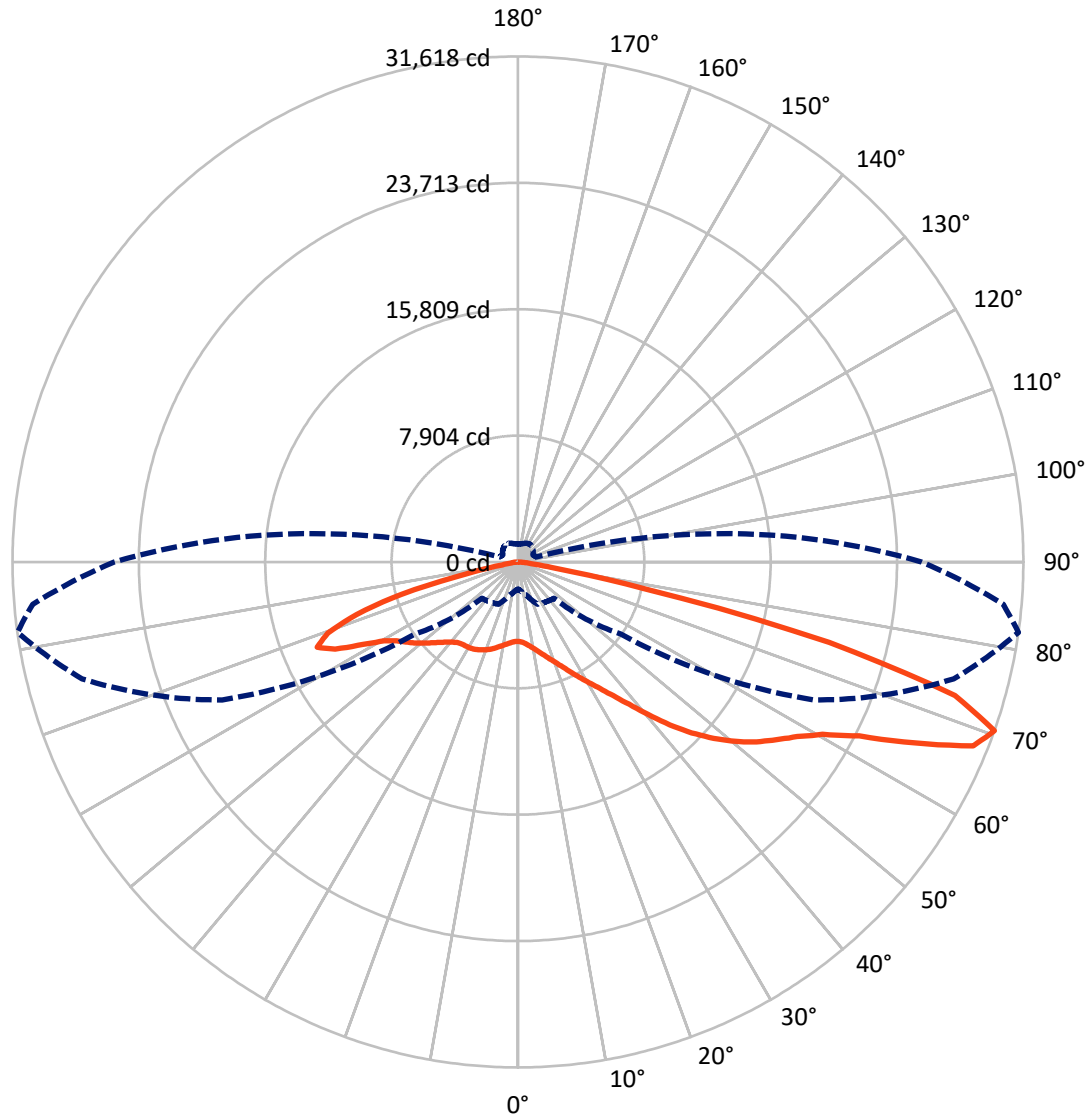
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8340.9	0.0	8340.9
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	25493.1	0.0	25493.1
	% Fixture	75.3	0.0	75.3
Total	Lumens	33834.0	0.0	33834.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	468.4	1.4
10°-20°	1345.6	4.0
20°-30°	2251.1	6.7
30°-40°	3516.8	10.4
40°-50°	5600.9	16.6
50°-60°	7794.3	23.0
60°-70°	8153.2	24.1
70°-80°	4261.3	12.6
80°-90°	442.5	1.3
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°	33834.0	100.0
0°-180°	33834.0	100.0

Coefficient of Utilization



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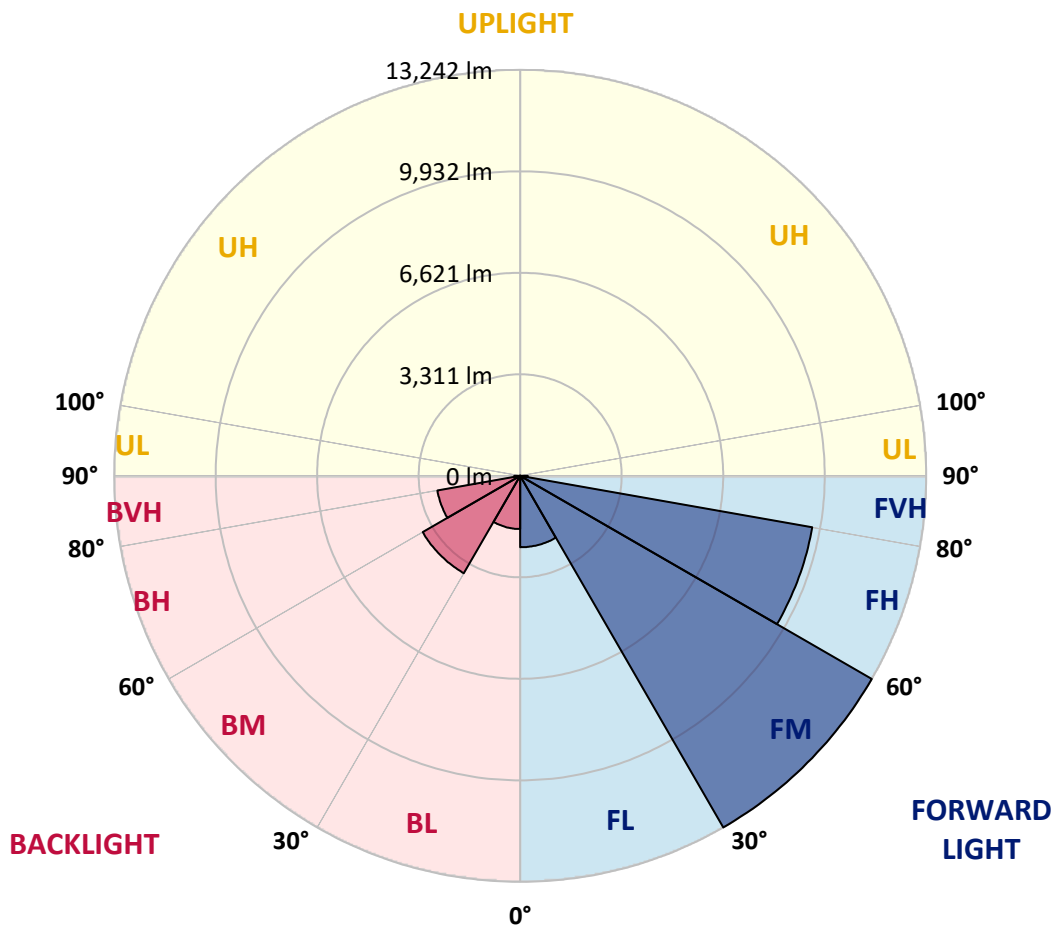
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2329.8	6.9			
FM (30°-60°)	13242.3	39.1			
FH (60°-80°)	9673.2	28.6			G4/12000
FVH (80°-90°)	247.7	0.7			G3/500
BL (0°-30°)	1735.2	5.1	B3/2500		
BM (30°-60°)	3669.7	10.8	B3/5000		
BH (60°-80°)	2741.2	8.1	B4/5000		G4/5000
BVH (80°-90°)	194.8	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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4960.5	4960.5	4960.5	4960.5	4960.5	4960.5	4960.5	4960.5	4960.5	4960.5
2.5°	5079.0	5107.7	5098.7	5089.8	5089.8	5077.2	5075.4	5057.4	5043.1	5019.7
5°	5143.6	5174.1	5170.5	5177.7	5201.1	5206.4	5211.8	5201.1	5172.3	5143.6
7.5°	5086.2	5120.3	5131.0	5174.1	5245.9	5310.6	5359.0	5378.8	5351.9	5310.6
10°	4892.3	4930.0	4967.7	5070.0	5197.5	5350.1	5479.3	5556.5	5551.1	5511.7
12.5°	4499.1	4538.6	4619.4	4818.7	5052.0	5321.3	5561.9	5723.5	5779.2	5750.4
15°	4184.9	4219.0	4280.1	4484.7	4788.1	5197.5	5592.4	5906.6	6048.5	6032.3
17.5°	4175.9	4190.3	4228.0	4324.9	4558.3	5003.6	5560.1	6086.2	6357.3	6355.5
20°	4333.9	4339.3	4360.8	4380.6	4513.5	4856.4	5477.5	6235.2	6703.7	6703.7
22.5°	4552.9	4549.4	4570.9	4552.9	4617.6	4843.8	5425.5	6366.2	7089.7	7118.5
25°	4881.5	4863.5	4858.2	4816.9	4829.4	4960.5	5482.9	6515.2	7547.6	7606.8
27.5°	5319.6	5290.8	5271.1	5175.9	5143.6	5201.1	5658.9	6694.8	8057.4	8159.8
30°	5890.5	5838.4	5809.7	5644.5	5527.8	5536.8	5924.6	6933.6	8590.6	8755.8
32.5°	6669.6	6588.8	6511.6	6240.6	6026.9	5956.9	6267.5	7263.9	9168.7	9432.6
35°	7542.2	7477.5	7395.0	6976.6	6648.1	6486.5	6730.7	7725.3	9845.6	10263.9
37.5°	8382.4	8326.7	8366.2	7802.5	7378.8	7143.6	7337.5	8344.7	10680.4	11298.0
40°	9251.3	9208.2	9213.6	8675.0	8181.3	7917.4	8073.6	9122.1	11637.3	12527.8
42.5°	10195.7	10163.3	10055.6	9578.1	9023.3	8777.4	8921.0	10019.7	12664.2	13928.1
45°	11253.1	11233.4	11132.8	10585.2	9949.7	9673.2	9867.1	11010.7	13696.5	15245.9
47.5°	12166.9	12183.1	12170.5	11709.1	11050.2	10644.5	10876.1	12044.8	14657.0	16484.7
50°	12606.8	12691.2	12815.0	12671.4	12262.1	11849.2	11894.0	13043.0	15572.7	17646.3
52.5°	12377.0	12536.8	12874.3	13104.1	13262.1	13175.9	13055.6	14034.1	16434.4	18694.7
55°	11520.6	11745.0	12305.2	12859.9	13666.0	14292.6	14450.6	15132.8	17274.6	19617.5
57.5°	9960.5	10324.9	10827.6	11949.7	13307.0	14833.0	16077.1	16657.0	18165.1	20603.2
60°	7285.4	7773.8	8398.5	10068.2	12050.2	14543.9	17461.3	18998.1	19430.8	21879.6
62.5°	4662.5	4964.1	5538.6	7111.3	9389.6	13062.8	17885.0	21924.5	21576.2	23973.0
65°	3192.1	3386.0	3912.0	4795.3	6070.0	9723.5	16750.4	24118.4	24983.8	27290.8
67.5°	2319.6	2466.8	2915.6	3689.4	3955.1	5754.0	12998.2	24017.9	28296.1	30709.1
70°	1691.2	1795.3	2172.3	2915.6	3043.1	3201.1	7874.3	20416.5	28224.3	31617.5
72.5°	1253.1	1325.0	1578.1	2262.1	2463.2	2161.6	3897.7	14838.4	24253.1	28597.8
75°	906.6	960.5	1147.2	1730.7	1971.3	1646.3	1944.3	8671.4	16917.4	20116.6
77.5°	693.0	734.3	856.4	1267.5	1578.1	1235.2	1206.5	3989.2	8021.5	8061.0
80°	556.6	583.5	649.9	892.3	1210.1	924.6	786.4	1610.4	2535.0	2145.4
82.5°	409.3	454.2	549.4	626.6	865.3	637.3	479.4	813.3	964.1	829.4
85°	233.4	263.9	332.1	448.8	553.0	389.6	274.7	360.9	448.8	368.0
87.5°	82.6	107.7	116.7	175.9	240.6	161.6	105.9	104.1	147.2	109.5
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°
4960.5	0°	4960.5	4960.5	4960.5	4960.5	4960.5	4960.5	4960.5	4960.5	4960.5	4960.5
5014.3	2.5°	4996.4	4987.4	4951.5	4903.0	4852.8	4804.3	4788.1	4754.0	4730.7	4718.1
5131.0	5°	5096.9	5068.2	4983.8	4876.1	4763.0	4640.9	4554.7	4475.7	4418.3	4364.4
5290.8	7.5°	5240.6	5190.3	5044.9	4856.4	4655.3	4452.4	4301.6	4186.7	4109.5	4059.2
5477.5	10°	5407.5	5330.3	5107.7	4825.8	4515.2	4224.4	4046.7	3947.9	3899.4	3872.5
5691.2	12.5°	5599.6	5490.1	5172.3	4755.8	4301.6	3969.5	3847.4	3818.7	3820.5	3822.3
5960.5	15°	5836.6	5684.0	5224.4	4603.2	4023.3	3773.8	3752.2	3798.9	3847.4	3870.7
6265.7	17.5°	6104.1	5888.7	5233.4	4351.9	3750.4	3648.1	3716.3	3816.9	3890.5	3922.8
6606.8	20°	6391.4	6096.9	5168.7	3996.4	3526.0	3545.8	3667.9	3797.1	3877.9	3919.2
6996.4	22.5°	6719.9	6319.5	5014.3	3623.0	3342.9	3434.5	3578.1	3703.8	3788.1	3829.4
7454.2	25°	7095.1	6569.1	4772.0	3308.8	3184.9	3308.8	3452.4	3556.5	3624.8	3662.5
7965.9	27.5°	7511.6	6829.4	4448.8	3059.2	3046.7	3179.5	3298.0	3378.8	3414.7	3443.4
8509.8	30°	7930.0	7066.4	4057.4	2870.7	2926.4	3052.1	3136.4	3172.3	3183.1	3188.5
9116.7	32.5°	8382.4	7271.1	3646.3	2714.5	2811.5	2928.2	2978.4	2994.6	2944.3	2910.2
9852.8	35°	8930.0	7490.1	3244.2	2590.7	2698.4	2798.9	2815.1	2800.7	2741.5	2671.4
10775.6	37.5°	9606.8	7763.0	2922.8	2502.7	2592.5	2658.9	2639.1	2635.5	2640.9	2558.3
11885.1	40°	10436.2	8118.5	2687.6	2434.5	2506.3	2520.6	2465.0	2495.5	2522.4	2396.8
13102.3	42.5°	11357.2	8547.6	2538.6	2387.8	2434.5	2400.4	2314.2	2348.3	2344.7	2179.5
14324.9	45°	12296.2	9014.3	2486.5	2353.7	2368.0	2299.8	2204.7	2213.6	2138.2	1989.2
15497.3	47.5°	13229.8	9515.2	2518.8	2324.9	2285.5	2208.3	2134.6	2095.1	1983.8	1872.5
16621.1	50°	14145.4	10041.3	2637.3	2267.5	2172.3	2127.5	2073.6	2003.6	1885.1	1789.9
17684.0	52.5°	14994.6	10570.9	2770.2	2172.3	2030.5	2057.4	2023.3	1942.5	1825.8	1728.9
18689.4	55°	15798.9	11100.5	2822.3	2041.3	1897.7	1996.4	1976.7	1827.6	1687.6	1608.6
19741.4	57.5°	16675.0	11737.8	2764.8	1874.3	1789.9	1926.4	1851.0	1685.8	1605.0	1545.8
21111.2	60°	17888.6	12737.8	2640.9	1667.9	1687.6	1822.3	1693.0	1624.8	1536.8	1470.4
23165.1	62.5°	19904.8	14603.2	2441.6	1463.2	1567.3	1667.9	1617.6	1549.4	1459.6	1395.0
26676.8	65°	22885.0	17195.6	2066.4	1303.4	1432.7	1517.1	1536.8	1468.6	1375.2	1307.0
29753.9	67.5°	25398.5	18822.2	1563.7	1170.6	1294.4	1395.0	1450.6	1384.2	1285.5	1219.0
30473.9	70°	25260.2	17640.9	1193.9	1039.5	1172.3	1274.7	1346.5	1294.4	1188.5	1125.7
27680.3	72.5°	22436.2	14757.6	965.9	906.6	1048.5	1149.0	1235.2	1195.7	1088.0	1026.9
20278.2	75°	16482.9	10475.7	772.0	772.0	894.1	1018.0	1113.1	1088.0	989.2	946.1
8513.4	77.5°	6947.9	4395.0	605.0	640.9	743.3	874.3	992.8	1001.8	915.6	969.5
2251.3	80°	1847.4	1211.8	461.4	504.5	583.5	721.7	863.6	860.0	766.6	716.3
836.6	82.5°	703.8	477.6	328.5	355.5	421.9	553.0	684.0	705.6	612.2	529.6
328.5	85°	271.1	204.7	202.9	213.6	246.0	366.2	517.1	535.0	461.4	391.4
91.6	87.5°	70.0	61.0	75.4	71.8	113.1	195.7	296.2	307.0	281.9	163.4
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>
4960.5
4732.5
4386.0
4070.0
3879.7
3825.8
3868.9
3930.0
3930.0
3840.2
3673.2
3454.2
3201.1
2921.0
2675.0
2563.7
2400.4
2177.7
1994.6
1872.5
1782.8
1730.7
1601.4
1540.4
1466.8
1395.0
1310.6
1220.8
<i>1131.1</i>
1026.9
933.6
879.7
666.1
529.6
403.9
233.4
0.0

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