

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: P941915

Luminaire Tested: **GALN-SB5C-935-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941915
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-SB5C-935-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26076 lumens
Efficiency: N/A
Efficacy: 104.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

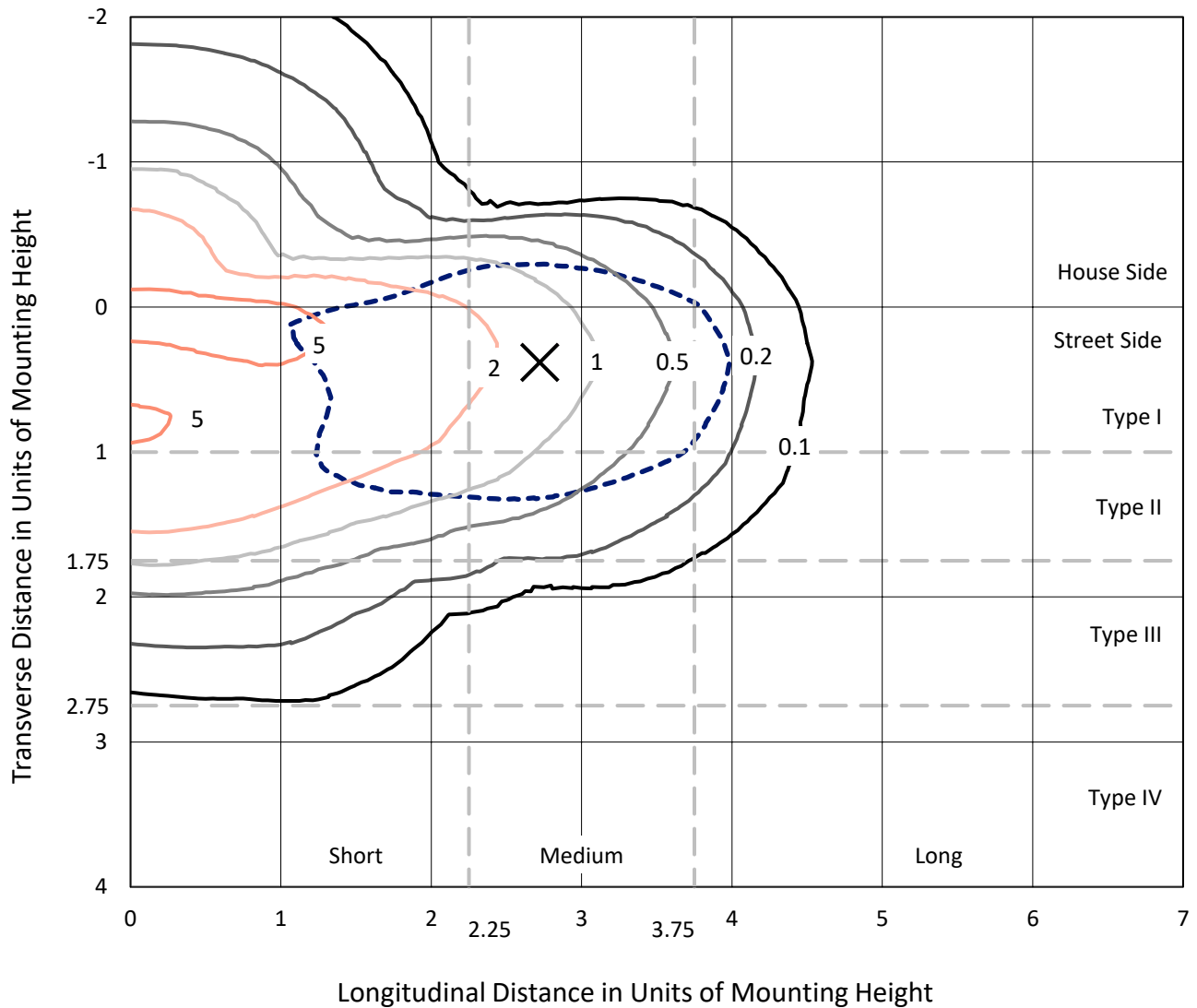
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

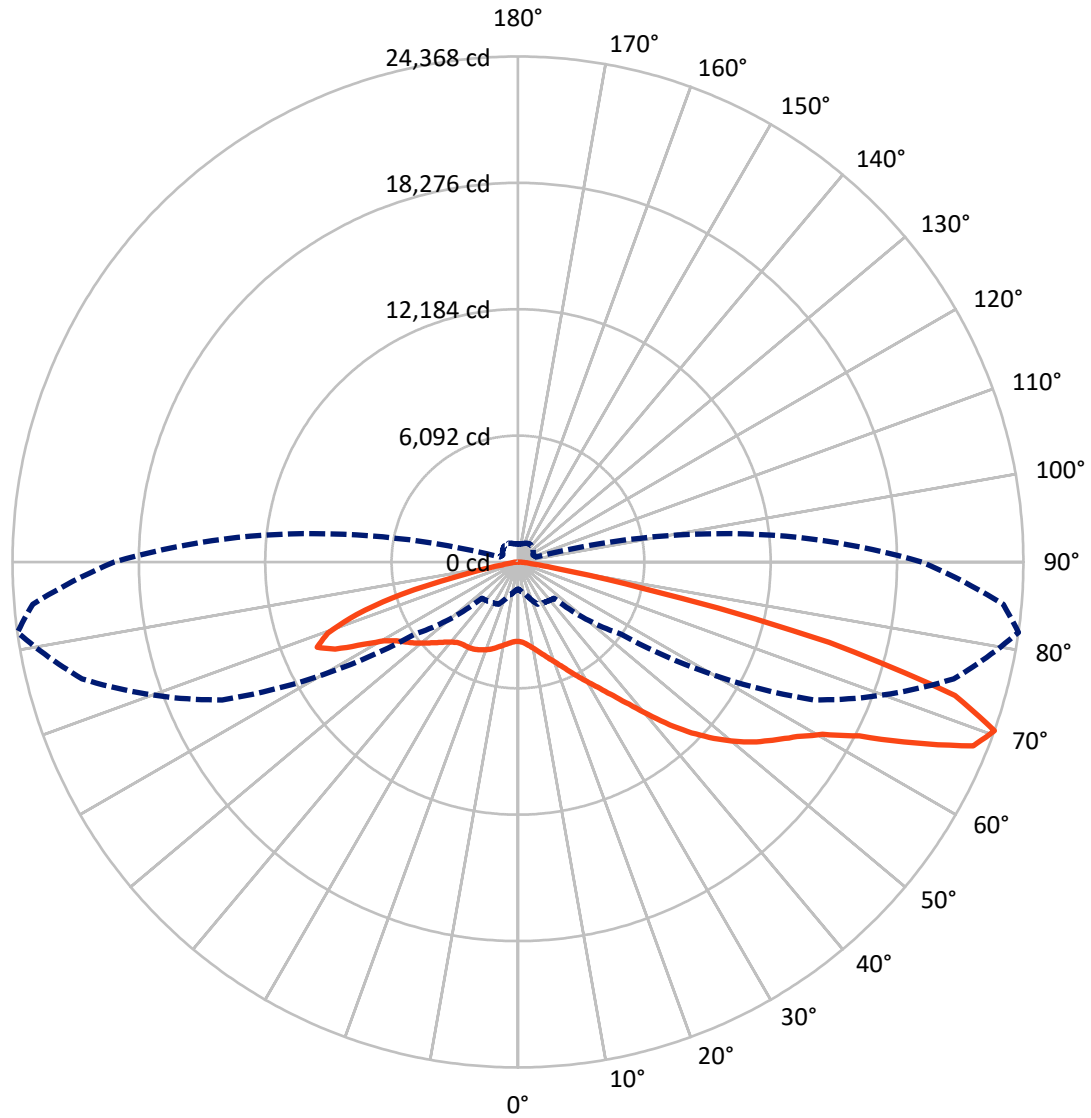
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 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	6428.4	0.0	6428.4
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	19647.6	0.0	19647.6
	% Fixture	75.3	0.0	75.3
Total	Lumens	26076.0	0.0	26076.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	361.0	1.4
10°-20°	1037.1	4.0
20°-30°	1734.9	6.7
30°-40°	2710.4	10.4
40°-50°	4316.6	16.6
50°-60°	6007.1	23.0
60°-70°	6283.7	24.1
70°-80°	3284.2	12.6
80°-90°	341.0	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°	26076.0	100.0
0°-180°	26076.0	100.0

Coefficient of Utilization



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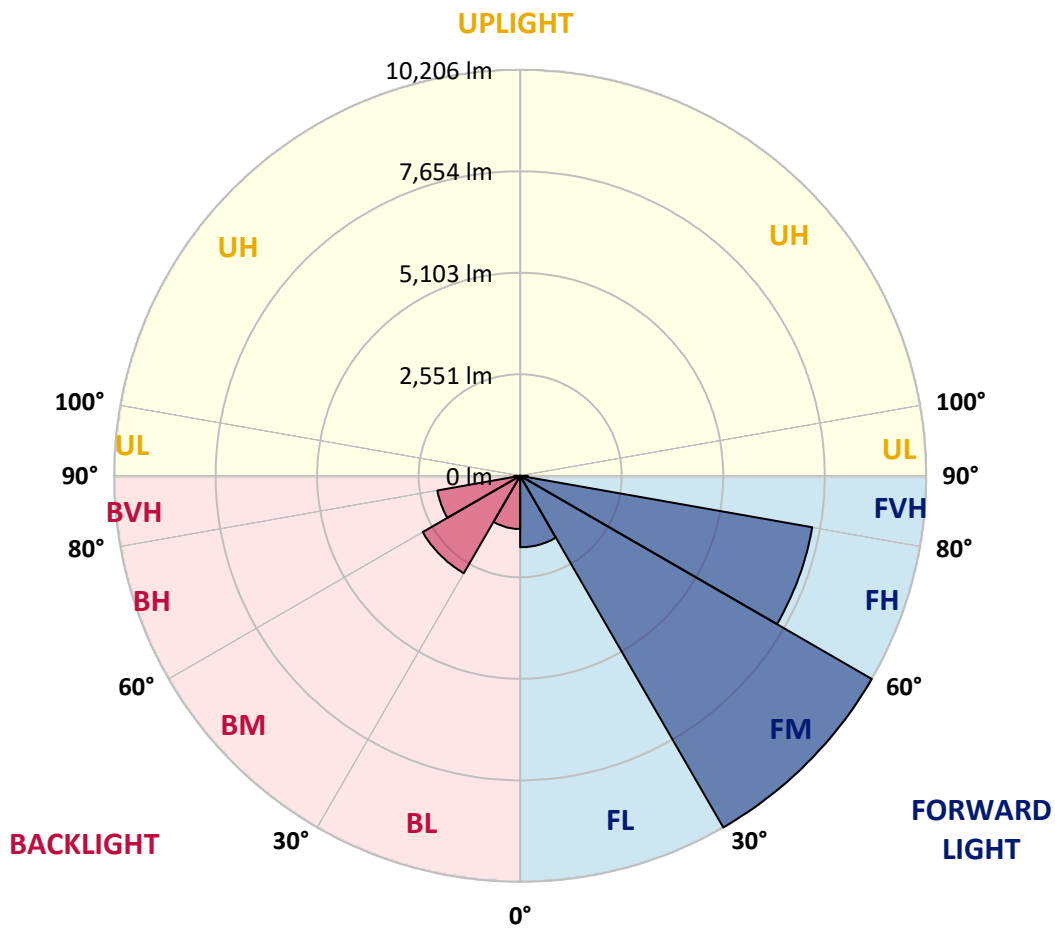
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1795.6	6.9			
FM (30°-60°)	10205.9	39.1			
FH (60°-80°)	7455.2	28.6			G3/7500
FVH (80°-90°)	190.9	0.7			G2/225
BL (0°-30°)	1337.3	5.1	B3/2500		
BM (30°-60°)	2828.2	10.8	B3/5000		
BH (60°-80°)	2112.7	8.1	B3/2500		G3/2500
BVH (80°-90°)	150.1	0.6			G2/225
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°	3823.1	3823.1	3823.1	3823.1	3823.1	3823.1	3823.1	3823.1	3823.1	3823.1
2.5°	3914.4	3936.5	3929.6	3922.7	3922.7	3913.0	3911.6	3897.8	3886.7	3868.7
5°	3964.2	3987.7	3985.0	3990.5	4008.5	4012.6	4016.8	4008.5	3986.3	3964.2
7.5°	3919.9	3946.2	3954.5	3987.7	4043.1	4092.9	4130.2	4145.5	4124.7	4092.9
10°	3770.5	3799.5	3828.6	3907.5	4005.7	4123.3	4222.9	4282.4	4278.3	4247.9
12.5°	3467.5	3497.9	3560.2	3713.8	3893.6	4101.2	4286.6	4411.1	4454.0	4431.9
15°	3225.3	3251.6	3298.7	3456.4	3690.2	4005.7	4310.1	4552.3	4661.6	4649.1
17.5°	3218.4	3229.5	3258.5	3333.3	3513.1	3856.3	4285.2	4690.6	4899.6	4898.2
20°	3340.2	3344.3	3360.9	3376.1	3478.5	3742.8	4221.6	4805.5	5166.6	5166.6
22.5°	3509.0	3506.2	3522.8	3509.0	3558.8	3733.1	4181.4	4906.5	5464.1	5486.2
25°	3762.2	3748.3	3744.2	3712.4	3722.1	3823.1	4225.7	5021.3	5816.9	5862.6
27.5°	4099.8	4077.7	4062.4	3989.1	3964.2	4008.5	4361.3	5159.7	6209.9	6288.8
30°	4539.8	4499.7	4477.5	4350.2	4260.3	4267.2	4566.1	5343.7	6620.8	6748.1
32.5°	5140.3	5078.1	5018.6	4809.6	4645.0	4591.0	4830.4	5598.3	7066.4	7269.8
35°	5812.8	5763.0	5699.3	5376.9	5123.7	4999.2	5187.4	5953.9	7588.0	7910.4
37.5°	6460.3	6417.4	6447.9	6013.4	5686.9	5505.6	5655.0	6431.3	8231.4	8707.4
40°	7130.0	7096.8	7101.0	6685.9	6305.4	6102.0	6222.3	7030.4	8968.9	9655.2
42.5°	7857.8	7832.9	7749.9	7381.9	6954.3	6764.7	6875.4	7722.2	9760.4	10734.5
45°	8672.8	8657.6	8580.1	8158.1	7668.3	7455.2	7604.6	8486.0	10556.0	11750.1
47.5°	9377.1	9389.6	9379.9	9024.3	8516.5	8203.8	8382.2	9283.0	11296.2	12704.8
50°	9716.1	9781.1	9876.6	9765.9	9450.4	9132.2	9166.8	10052.3	12001.9	13600.0
52.5°	9539.0	9662.1	9922.3	10099.4	10221.1	10154.7	10062.0	10816.1	12666.1	14408.1
55°	8879.0	9051.9	9483.6	9911.2	10532.5	11015.4	11137.1	11662.9	13313.6	15119.3
57.5°	7676.6	7957.5	8344.9	9209.7	10255.7	11431.8	12390.7	12837.6	13999.9	15878.9
60°	5614.9	5991.3	6472.8	7759.6	9287.2	11209.1	13457.5	14641.9	14975.4	16862.7
62.5°	3593.4	3825.8	4268.6	5480.7	7236.6	10067.5	13784.1	16897.3	16628.9	18476.1
65°	2460.2	2609.6	3015.0	3695.8	4678.2	7493.9	12909.6	18588.2	19255.1	21033.1
67.5°	1787.7	1901.2	2247.1	2843.4	3048.2	4434.6	10017.7	18510.7	21808.0	23667.6
70°	1303.4	1383.7	1674.2	2247.1	2345.3	2467.1	6068.8	15735.0	21752.6	24367.7
72.5°	965.8	1021.1	1216.2	1743.4	1898.4	1665.9	3003.9	11436.0	18691.9	22040.4
75°	698.8	740.3	884.2	1333.9	1519.3	1268.8	1498.5	6683.1	13038.3	15504.0
77.5°	534.1	565.9	660.0	976.9	1216.2	952.0	929.8	3074.5	6182.2	6212.7
80°	428.9	449.7	500.9	687.7	932.6	712.6	606.0	1241.1	1953.7	1653.5
82.5°	315.5	350.1	423.4	482.9	666.9	491.2	369.4	626.8	743.0	639.3
85°	179.9	203.4	256.0	345.9	426.2	300.3	211.7	278.1	345.9	283.7
87.5°	63.6	83.0	89.9	135.6	185.4	124.5	81.6	80.3	113.5	84.4
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°
3823.1	0°	3823.1	3823.1	3823.1	3823.1	3823.1	3823.1	3823.1	3823.1	3823.1	3823.1
3864.6	2.5°	3850.7	3843.8	3816.1	3778.8	3740.0	3702.7	3690.2	3663.9	3646.0	3636.3
3954.5	5°	3928.2	3906.1	3841.1	3758.0	3670.9	3576.8	3510.4	3449.5	3405.2	3363.7
4077.7	7.5°	4038.9	4000.2	3888.1	3742.8	3587.8	3431.5	3315.3	3226.7	3167.2	3128.5
4221.6	10°	4167.6	4108.1	3936.5	3719.3	3479.9	3255.8	3118.8	3042.7	3005.3	2984.6
4386.2	12.5°	4315.7	4231.2	3986.3	3665.3	3315.3	3059.3	2965.2	2943.1	2944.4	2945.8
4593.8	15°	4498.3	4380.7	4026.5	3547.7	3100.8	2908.5	2891.9	2927.8	2965.2	2983.2
4829.0	17.5°	4704.5	4538.4	4033.4	3354.0	2890.5	2811.6	2864.2	2941.7	2998.4	3023.3
5091.9	20°	4925.8	4698.9	3983.6	3080.0	2717.5	2732.7	2826.8	2926.5	2988.7	3020.5
5392.1	22.5°	5179.1	4870.5	3864.6	2792.2	2576.4	2647.0	2757.6	2854.5	2919.5	2951.4
5745.0	25°	5468.2	5062.8	3677.8	2550.1	2454.6	2550.1	2660.8	2741.0	2793.6	2822.7
6139.3	27.5°	5789.3	5263.5	3428.7	2357.8	2348.1	2450.5	2541.8	2604.1	2631.7	2653.9
6558.6	30°	6111.7	5446.1	3127.1	2212.5	2255.4	2352.2	2417.3	2444.9	2453.2	2457.4
7026.3	32.5°	6460.3	5603.8	2810.2	2092.1	2166.8	2256.8	2295.5	2308.0	2269.2	2242.9
7593.6	35°	6882.4	5772.7	2500.3	1996.6	2079.6	2157.1	2169.6	2158.5	2112.9	2058.9
8304.8	37.5°	7404.0	5983.0	2252.6	1928.8	1998.0	2049.2	2034.0	2031.2	2035.4	1971.7
9159.9	40°	8043.2	6256.9	2071.3	1876.3	1931.6	1942.7	1899.8	1923.3	1944.0	1847.2
10098.0	42.5°	8753.1	6587.6	1956.5	1840.3	1876.3	1850.0	1783.5	1809.8	1807.1	1679.8
11040.3	45°	9476.7	6947.4	1916.4	1814.0	1825.1	1772.5	1699.1	1706.1	1647.9	1533.1
11943.8	47.5°	10196.2	7333.4	1941.3	1791.8	1761.4	1701.9	1645.2	1614.7	1529.0	1443.2
12810.0	50°	10901.9	7738.8	2032.6	1747.6	1674.2	1639.6	1598.1	1544.2	1452.8	1379.5
13629.1	52.5°	11556.4	8147.0	2135.0	1674.2	1564.9	1585.7	1559.4	1497.1	1407.2	1332.5
14404.0	55°	12176.3	8555.2	2175.1	1573.2	1462.5	1538.6	1523.4	1408.6	1300.6	1239.8
15214.8	57.5°	12851.5	9046.4	2130.8	1444.5	1379.5	1484.7	1426.6	1299.3	1237.0	1191.3
16270.5	60°	13786.8	9817.1	2035.4	1285.4	1300.6	1404.4	1304.8	1252.2	1184.4	1133.2
17853.4	62.5°	15340.7	11254.7	1881.8	1127.7	1207.9	1285.4	1246.7	1194.1	1124.9	1075.1
20559.9	65°	17637.6	13252.7	1592.6	1004.5	1104.2	1169.2	1184.4	1131.8	1059.9	1007.3
22931.5	67.5°	19574.7	14506.3	1205.2	902.1	997.6	1075.1	1118.0	1066.8	990.7	939.5
23486.3	70°	19468.2	13595.9	920.1	801.1	903.5	982.4	1037.7	997.6	916.0	867.6
21333.4	72.5°	17291.7	11373.7	744.4	698.8	808.1	885.5	952.0	921.5	838.5	791.5
15628.5	75°	12703.4	8073.7	595.0	595.0	689.1	784.5	857.9	838.5	762.4	729.2
6561.3	77.5°	5354.8	3387.2	466.3	494.0	572.8	673.8	765.2	772.1	705.7	747.2
1735.1	80°	1423.8	934.0	355.6	388.8	449.7	556.2	665.5	662.8	590.8	552.1
644.8	82.5°	542.4	368.1	253.2	274.0	325.2	426.2	527.2	543.8	471.8	408.2
253.2	85°	208.9	157.7	156.4	164.7	189.6	282.3	398.5	412.3	355.6	301.6
70.6	87.5°	54.0	47.0	58.1	55.3	87.2	150.8	228.3	236.6	217.2	125.9
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>
3823.1
3647.3
3380.3
3136.8
2990.1
2948.6
2981.8
3028.8
3028.8
2959.7
2831.0
2662.2
2467.1
2251.2
2061.7
1975.9
1850.0
1678.4
1537.3
1443.2
1374.0
1333.9
1234.2
1187.2
1130.5
1075.1
1010.1
940.9
<i>871.7</i>
791.5
719.5
678.0
513.3
408.2
311.3
179.9
0.0

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