

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: STREETWORKS

Report Number: P849296

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

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849296
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-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: 33202 lumens
Efficiency: N/A
Efficacy: 150.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

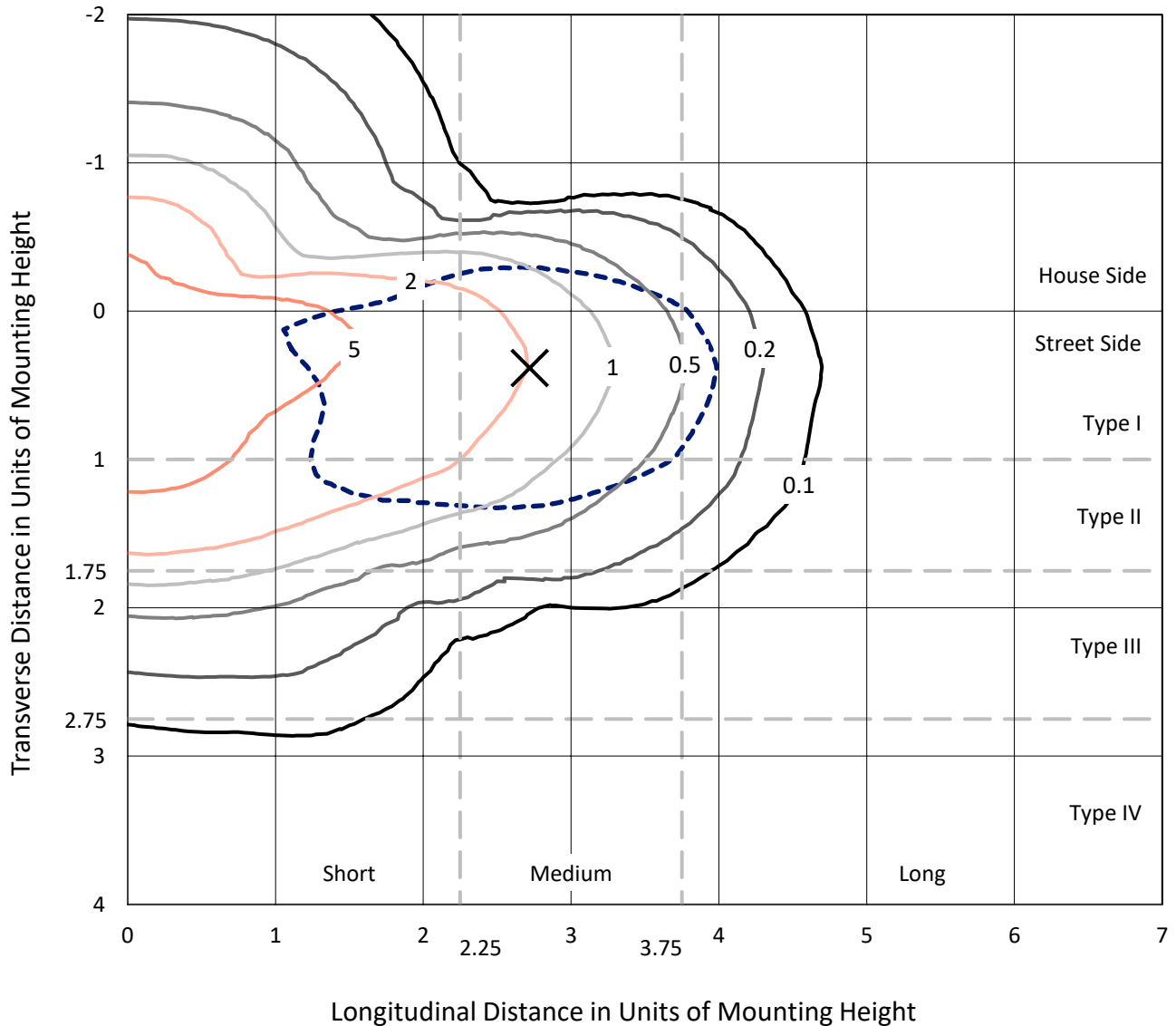
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

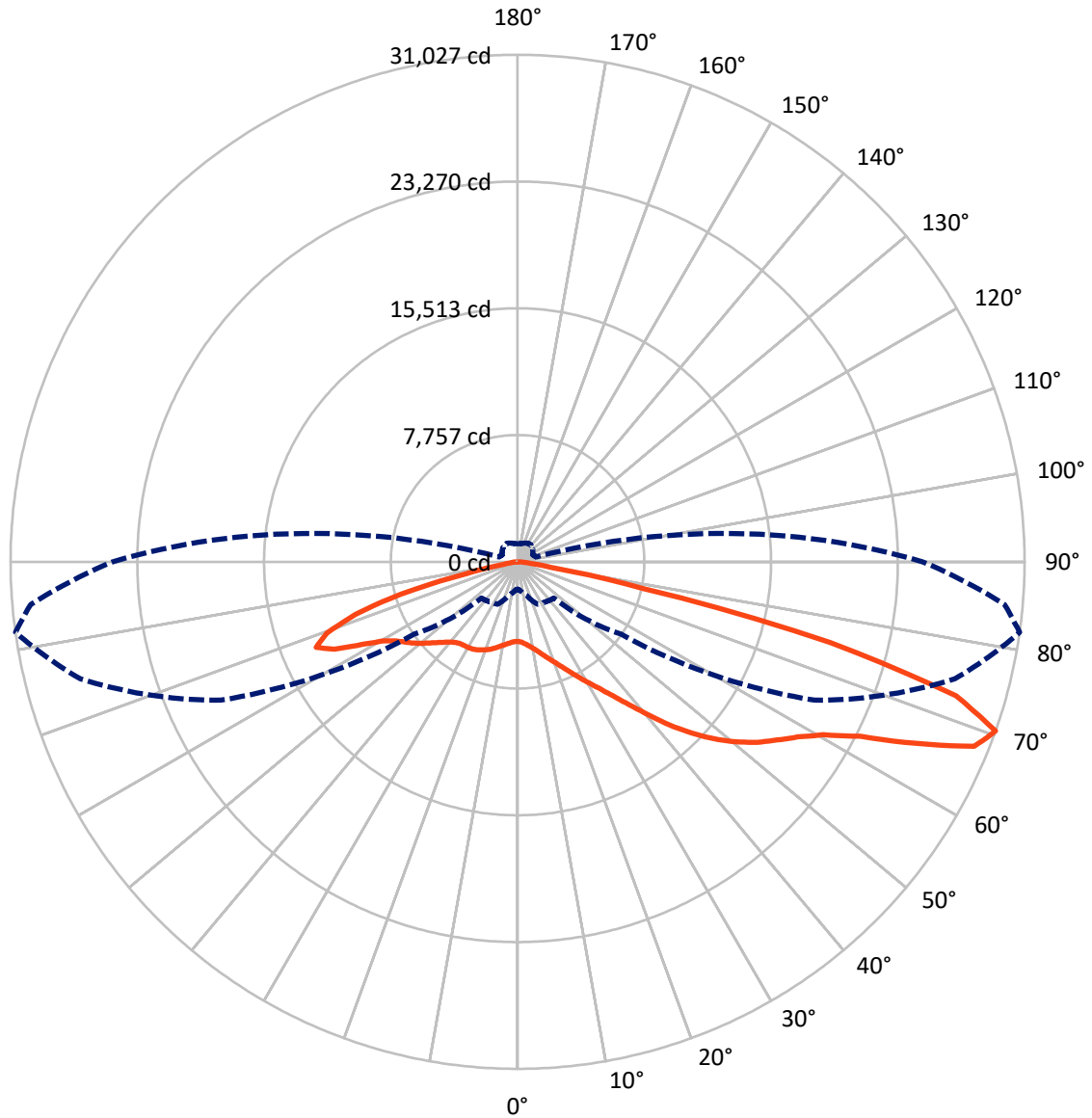
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 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	8185.1	0.0	8185.1
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	25016.9	0.0	25016.9
	% Fixture	75.3	0.0	75.3
Total	Lumens	33202.0	0.0	33202.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	459.6	1.4
10°-20°	1320.5	4.0
20°-30°	2209.0	6.7
30°-40°	3451.1	10.4
40°-50°	5496.3	16.6
50°-60°	7648.7	23.0
60°-70°	8000.9	24.1
70°-80°	4181.7	12.6
80°-90°	434.2	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°	33202.0	100.0
0°-180°	33202.0	100.0

Coefficient of Utilization

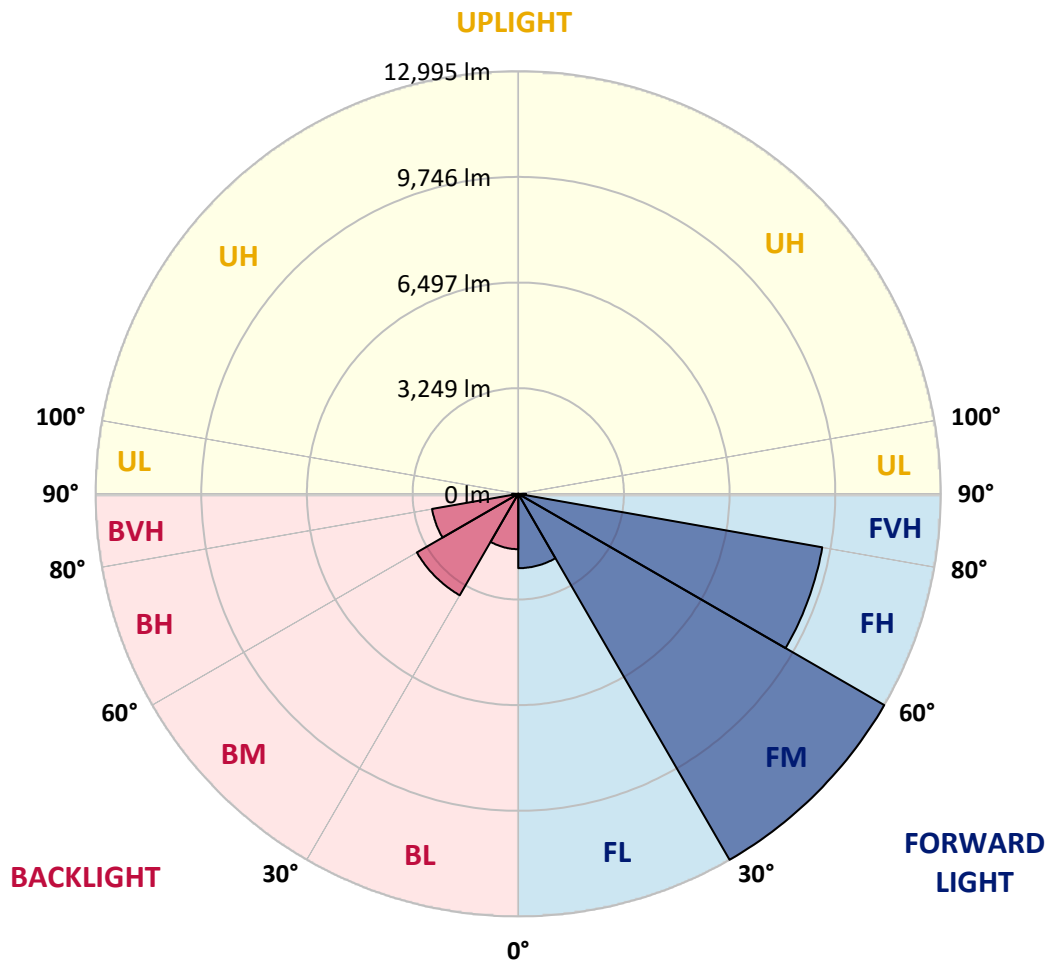


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2286.3	6.9			
FM (30°-60°)	12994.9	39.1			
FH (60°-80°)	9492.6	28.6			G4/12000
FVH (80°-90°)	243.1	0.7			G3/500
BL (0°-30°)	1702.8	5.1	B3/2500		
BM (30°-60°)	3601.1	10.8	B3/5000		
BH (60°-80°)	2690.0	8.1	B4/5000		G4/5000
BVH (80°-90°)	191.1	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4867.8	4867.8	4867.8	4867.8	4867.8	4867.8	4867.8	4867.8	4867.8	4867.8
2.5°	4984.1	5012.3	5003.5	4994.7	4994.7	4982.3	4980.6	4963.0	4948.9	4926.0
5°	5047.5	5077.5	5074.0	5081.0	5103.9	5109.2	5114.5	5103.9	5075.7	5047.5
7.5°	4991.2	5024.6	5035.2	5077.5	5148.0	5211.4	5258.9	5278.3	5251.9	5211.4
10°	4800.9	4837.9	4874.9	4975.3	5100.4	5250.1	5377.0	5452.7	5447.5	5408.7
12.5°	4415.0	4453.8	4533.1	4728.6	4957.7	5221.9	5458.0	5616.6	5671.2	5643.0
15°	4106.7	4140.2	4200.1	4401.0	4698.7	5100.4	5488.0	5796.3	5935.5	5919.6
17.5°	4097.9	4112.0	4149.0	4244.2	4473.2	4910.1	5456.3	5972.5	6238.5	6236.7
20°	4253.0	4258.2	4279.4	4298.8	4429.1	4765.6	5375.2	6118.7	6578.5	6578.5
22.5°	4467.9	4464.4	4485.5	4467.9	4531.3	4753.3	5324.1	6247.3	6957.3	6985.5
25°	4790.3	4772.7	4767.4	4726.9	4739.2	4867.8	5380.5	6393.5	7406.6	7464.7
27.5°	5220.2	5192.0	5172.6	5079.2	5047.5	5103.9	5553.2	6569.7	7906.9	8007.3
30°	5780.4	5729.3	5701.2	5539.1	5424.6	5433.4	5813.9	6804.0	8430.2	8592.3
32.5°	6545.1	6465.8	6390.0	6124.0	5914.3	5845.6	6150.4	7128.2	8997.5	9256.4
35°	7401.3	7337.9	7256.8	6846.3	6523.9	6365.4	6605.0	7581.0	9661.7	10072.2
37.5°	8225.8	8171.2	8209.9	7656.7	7241.0	7010.2	7200.4	8188.8	10480.9	11087.0
40°	9078.5	9036.2	9041.5	8513.0	8028.5	7769.5	7922.8	8951.7	11419.9	12293.8
42.5°	10005.2	9973.5	9867.8	9399.2	8854.8	8613.4	8754.3	9832.6	12427.7	13668.0
45°	11042.9	11023.5	10924.9	10387.5	9763.8	9492.5	9682.8	10805.1	13440.7	14961.1
47.5°	11939.7	11955.5	11943.2	11490.4	10843.8	10445.7	10672.9	11819.9	14383.3	16176.8
50°	12371.3	12454.1	12575.7	12434.7	12033.0	11627.8	11671.9	12799.4	15281.8	17316.6
52.5°	12145.8	12302.6	12633.8	12859.3	13014.3	12929.8	12811.7	13771.9	16127.4	18345.5
55°	11305.4	11525.6	12075.3	12619.7	13410.8	14025.6	14180.7	14850.1	16952.0	19251.1
57.5°	9774.4	10132.1	10625.4	11726.5	13058.4	14555.9	15776.8	16345.9	17825.8	20218.3
60°	7149.3	7628.6	8241.7	9880.1	11825.1	14272.3	17135.2	18643.3	19067.9	21470.9
62.5°	4575.4	4871.4	5435.1	6978.5	9214.2	12818.8	17551.0	21515.0	21173.2	23525.2
65°	3132.5	3322.7	3838.9	4705.7	5956.6	9541.9	16437.5	23667.9	24517.1	26781.0
67.5°	2276.2	2420.7	2861.1	3620.5	3881.2	5646.5	12755.4	23569.2	27767.6	30135.4
70°	1659.6	1761.8	2131.8	2861.1	2986.2	3141.3	7727.2	20035.1	27697.1	31026.9
72.5°	1229.7	1300.2	1548.6	2219.9	2417.2	2121.2	3824.8	14561.2	23800.0	28063.6
75°	889.7	942.6	1125.8	1698.4	1934.4	1615.6	1908.0	8509.5	16601.4	19740.9
77.5°	680.1	720.6	840.4	1243.8	1548.6	1212.1	1183.9	3914.7	7871.7	7910.4
80°	546.2	572.6	637.8	875.6	1187.4	907.3	771.7	1580.3	2487.6	2105.3
82.5°	401.7	445.7	539.1	614.9	849.2	625.4	470.4	798.1	946.1	813.9
85°	229.0	259.0	325.9	440.4	542.6	382.3	269.6	354.1	440.4	361.2
87.5°	81.0	105.7	114.5	172.7	236.1	158.6	103.9	102.2	144.5	107.5
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°
4867.8	0°	4867.8	4867.8	4867.8	4867.8	4867.8	4867.8	4867.8	4867.8	4867.8	4867.8
4920.7	2.5°	4903.1	4894.3	4859.0	4811.5	4762.1	4714.6	4698.7	4665.2	4642.3	4630.0
5035.2	5°	5001.7	4973.5	4890.7	4785.0	4674.0	4554.2	4469.7	4392.1	4335.8	4282.9
5192.0	7.5°	5142.7	5093.3	4950.6	4765.6	4568.3	4369.2	4221.3	4108.5	4032.7	3983.4
5375.2	10°	5306.5	5230.8	5012.3	4735.7	4430.9	4145.5	3971.1	3874.2	3826.6	3800.2
5584.9	12.5°	5495.0	5387.6	5075.7	4667.0	4221.3	3895.3	3775.5	3747.3	3749.1	3750.9
5849.1	15°	5727.6	5577.8	5126.8	4517.2	3948.2	3703.3	3682.1	3727.9	3775.5	3798.4
6148.7	17.5°	5990.1	5778.7	5135.6	4270.6	3680.4	3580.0	3646.9	3745.6	3817.8	3849.5
6483.4	20°	6272.0	5983.0	5072.2	3921.7	3460.2	3479.5	3599.3	3726.2	3805.5	3846.0
6865.7	22.5°	6594.4	6201.5	4920.7	3555.3	3280.5	3370.3	3511.2	3634.6	3717.4	3757.9
7315.0	25°	6962.6	6446.4	4682.8	3247.0	3125.4	3247.0	3387.9	3490.1	3557.1	3594.1
7817.1	27.5°	7371.3	6701.9	4365.7	3002.1	2989.8	3120.1	3236.4	3315.7	3350.9	3379.1
8350.9	30°	7781.8	6934.4	3981.6	2817.1	2871.7	2995.0	3077.8	3113.1	3123.7	3128.9
8946.4	32.5°	8225.8	7135.3	3578.2	2663.8	2759.0	2873.5	2922.8	2938.7	2889.3	2855.9
9668.7	35°	8763.1	7350.2	3183.6	2542.3	2648.0	2746.6	2762.5	2748.4	2690.3	2621.5
10574.3	37.5°	9427.3	7618.0	2868.2	2455.9	2544.0	2609.2	2589.8	2586.3	2591.6	2510.6
11663.1	40°	10241.3	7966.8	2637.4	2389.0	2459.5	2473.6	2418.9	2448.9	2475.3	2352.0
12857.6	42.5°	11145.1	8387.9	2491.2	2343.2	2389.0	2355.5	2270.9	2304.4	2300.9	2138.8
14057.3	45°	12066.5	8846.0	2440.1	2309.7	2323.8	2256.9	2163.5	2172.3	2098.3	1952.1
15207.8	47.5°	12982.6	9337.5	2471.8	2281.5	2242.8	2167.0	2094.8	2056.0	1946.8	1837.5
16310.7	50°	13881.2	9853.7	2588.1	2225.1	2131.8	2087.7	2034.9	1966.2	1849.9	1756.5
17353.6	52.5°	14714.5	10373.4	2718.4	2131.8	1992.6	2019.0	1985.5	1906.3	1791.7	1696.6
18340.2	55°	15503.8	10893.2	2769.5	2003.2	1862.2	1959.1	1939.7	1793.5	1656.1	1578.6
19372.7	57.5°	16363.5	11518.6	2713.2	1839.3	1756.5	1890.4	1816.4	1654.3	1575.0	1516.9
20716.9	60°	17554.5	12499.9	2591.6	1636.7	1656.1	1788.2	1661.4	1594.4	1508.1	1442.9
22732.4	62.5°	19533.0	14330.4	2396.0	1435.9	1538.0	1636.7	1587.4	1520.4	1432.3	1368.9
26178.5	65°	22457.5	16874.4	2027.8	1279.1	1405.9	1488.7	1508.1	1441.1	1349.5	1282.6
29198.2	67.5°	24924.1	18470.6	1534.5	1148.7	1270.3	1368.9	1423.5	1358.3	1261.4	1196.3
29904.6	70°	24788.4	17311.4	1171.6	1020.1	1150.4	1250.9	1321.3	1270.3	1166.3	1104.6
27163.3	72.5°	22017.1	14481.9	947.8	889.7	1028.9	1127.5	1212.1	1173.4	1067.6	1007.7
19899.4	75°	16175.0	10280.1	757.6	757.6	877.4	998.9	1092.3	1067.6	970.7	928.5
8354.4	77.5°	6818.1	4312.9	593.7	629.0	729.4	858.0	974.3	983.1	898.5	951.4
2209.3	80°	1812.9	1189.2	452.8	495.1	572.6	708.2	847.4	843.9	752.3	703.0
821.0	82.5°	690.6	468.6	322.4	348.8	414.0	542.6	671.2	692.4	600.8	519.7
322.4	85°	266.0	200.8	199.1	209.7	241.4	359.4	507.4	525.0	452.8	384.1
89.9	87.5°	68.7	59.9	74.0	70.5	111.0	192.0	290.7	301.3	276.6	160.3
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>
4867.8
4644.1
4304.1
3994.0
3807.2
3754.4
3796.7
3856.6
3856.6
3768.5
3604.6
3389.7
3141.3
2866.4
2625.1
2515.8
2355.5
2137.1
1957.3
1837.5
1749.5
1698.4
1571.5
1511.6
1439.4
1368.9
1286.1
1198.0
<i>1109.9</i>
1007.7
916.1
863.3
653.6
519.7
396.4
229.0
0.0

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