

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: P849736

Luminaire Tested: **GLAN-SB6D-930-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849736
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-SB6D-930-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41250 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

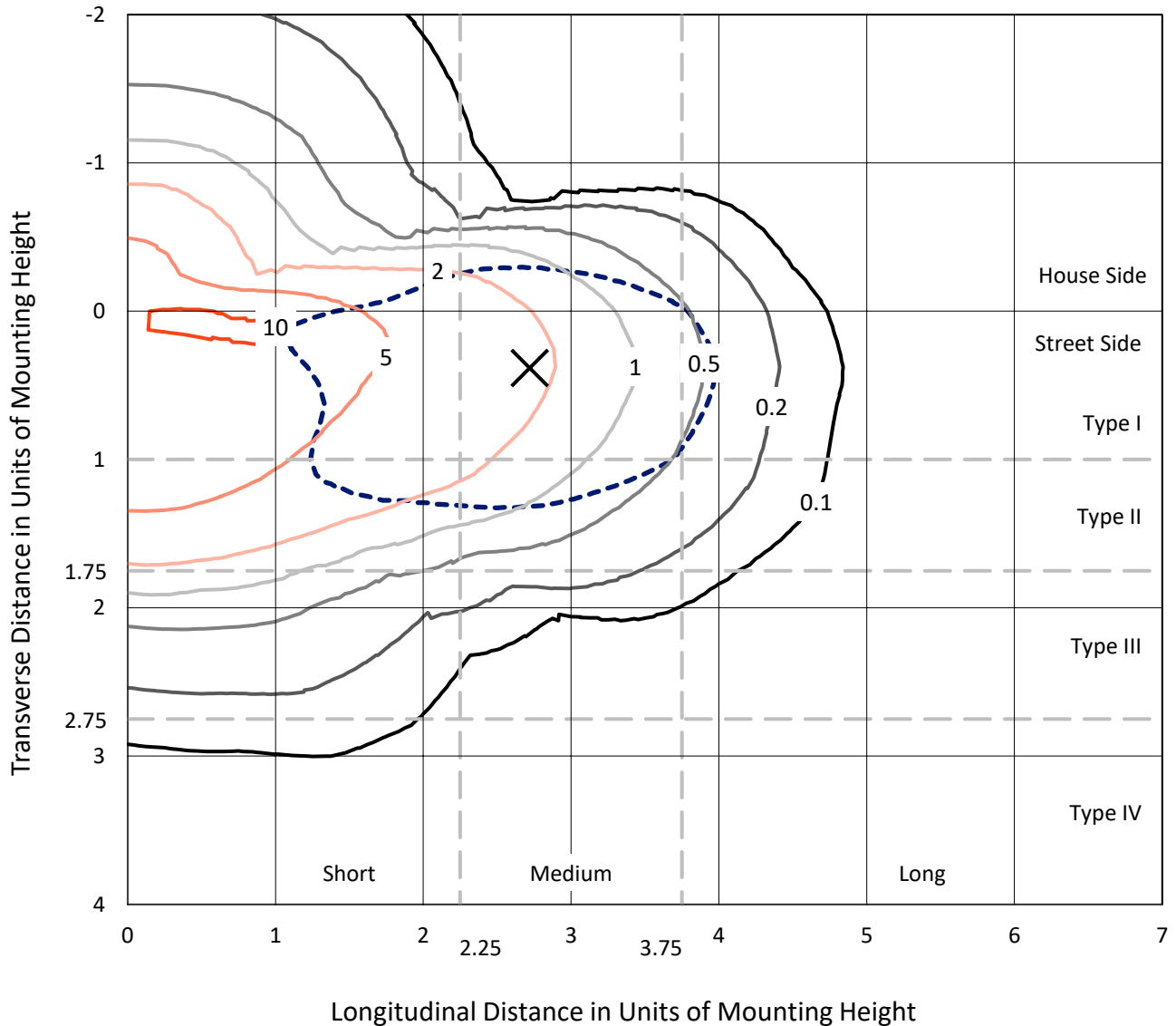
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

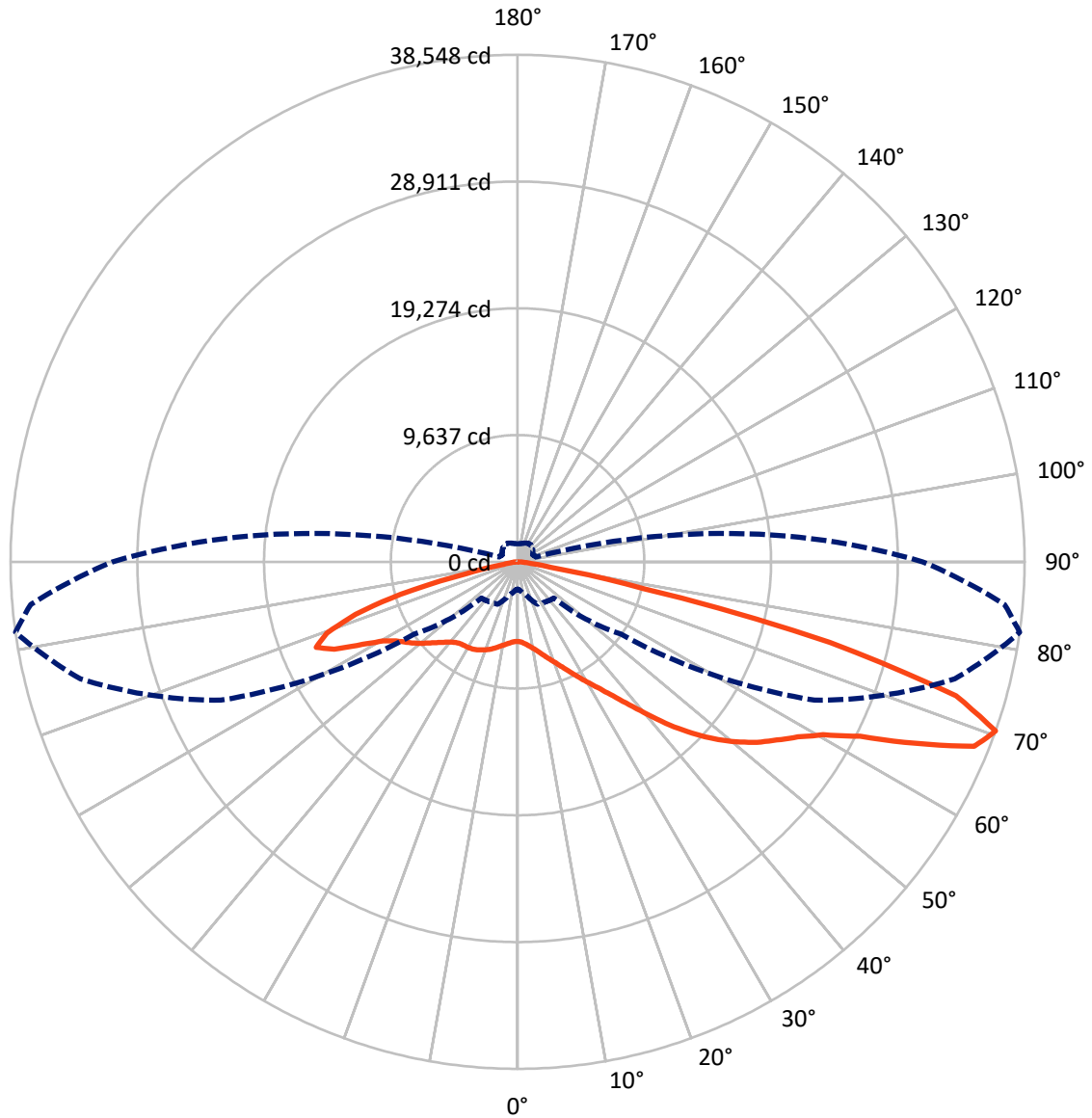
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11 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	10169.1	0.0	10169.1
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	31080.9	0.0	31080.9
	% Fixture	75.3	0.0	75.3
Total	Lumens	41250.0	0.0	41250.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	571.0	1.4
10°-20°	1640.6	4.0
20°-30°	2744.5	6.7
30°-40°	4287.6	10.4
40°-50°	6828.5	16.6
50°-60°	9502.7	23.0
60°-70°	9940.3	24.1
70°-80°	5195.3	12.6
80°-90°	539.5	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°	41250.0	100.0
0°-180°	41250.0	100.0

Coefficient of Utilization

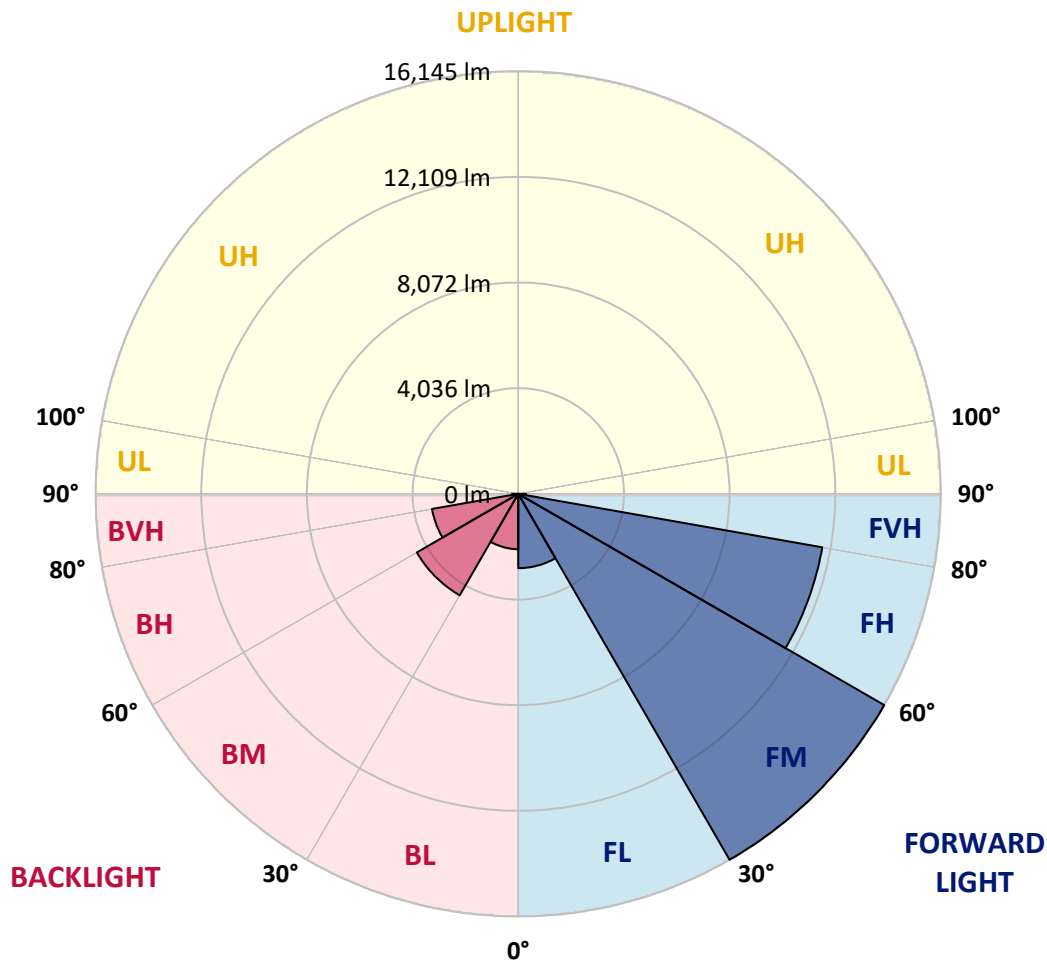


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2840.5	6.9			
FM (30°-60°)	16144.8	39.1			
FH (60°-80°)	11793.5	28.6			G4/12000
FVH (80°-90°)	302.0	0.7			G3/500
BL (0°-30°)	2115.6	5.1	B3/2500		
BM (30°-60°)	4474.0	10.8	B3/5000		
BH (60°-80°)	3342.1	8.1	B4/5000		G4/5000
BVH (80°-90°)	237.5	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-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	6047.8	6047.8	6047.8	6047.8	6047.8	6047.8	6047.8	6047.8	6047.8	6047.8
2.5°	6192.2	6227.3	6216.3	6205.4	6205.4	6190.0	6187.9	6166.0	6148.5	6120.0
5°	6271.0	6308.2	6303.9	6312.6	6341.1	6347.6	6354.2	6341.1	6306.0	6271.0
7.5°	6201.0	6242.6	6255.7	6308.2	6395.8	6474.6	6533.7	6557.8	6524.9	6474.6
10°	5964.6	6010.6	6056.5	6181.3	6336.7	6522.7	6680.3	6774.5	6767.9	6719.7
12.5°	5485.2	5533.4	5631.9	5874.8	6159.4	6487.7	6781.0	6978.0	7045.9	7010.9
15°	5102.2	5143.8	5218.2	5467.7	5837.6	6336.7	6818.2	7201.3	7374.2	7354.5
17.5°	5091.2	5108.8	5154.7	5272.9	5557.5	6100.3	6778.8	7420.2	7750.7	7748.5
20°	5283.9	5290.4	5316.7	5340.8	5502.7	5920.8	6678.2	7601.8	8173.1	8173.1
22.5°	5550.9	5546.5	5572.8	5550.9	5629.7	5905.5	6614.7	7761.6	8643.7	8678.8
25°	5951.5	5929.6	5923.0	5872.7	5888.0	6047.8	6684.7	7943.3	9201.9	9274.1
27.5°	6485.5	6450.5	6426.4	6310.4	6271.0	6341.1	6899.2	8162.2	9823.5	9948.3
30°	7181.6	7118.1	7083.1	6881.7	6739.4	6750.4	7223.2	8453.3	10473.6	10675.0
32.5°	8131.5	8033.0	7938.9	7608.4	7347.9	7262.6	7641.2	8856.0	11178.4	11500.2
35°	9195.3	9116.5	9015.8	8505.8	8105.3	7908.3	8206.0	9418.6	12003.6	12513.6
37.5°	10219.7	10151.8	10200.0	9512.7	8996.1	8709.4	8945.8	10173.7	13021.4	13774.4
40°	11279.1	11226.6	11233.1	10576.5	9974.5	9652.8	9843.2	11121.5	14188.1	15273.7
42.5°	12430.4	12391.0	12259.7	11677.5	11001.1	10701.2	10876.3	12215.9	15440.1	16981.0
45°	13719.7	13695.6	13573.0	12905.4	12130.6	11793.5	12029.9	13424.2	16698.7	18587.6
47.5°	14833.8	14853.5	14838.1	14275.6	13472.3	12977.6	13260.0	14684.9	17869.7	20097.9
50°	15370.0	15472.9	15623.9	15448.8	14949.8	14446.3	14501.1	15901.9	18986.0	21514.1
52.5°	15089.9	15284.7	15696.2	15976.3	16169.0	16063.9	15917.2	17110.2	20036.6	22792.4
55°	14045.8	14319.4	15002.3	15678.7	16661.5	17425.4	17618.0	18449.7	21061.0	23917.5
57.5°	12143.7	12588.0	13200.9	14568.9	16223.7	18084.2	19601.1	20308.1	22146.7	25119.1
60°	8882.3	9477.7	10239.4	12275.0	14691.5	17731.8	21288.7	23162.3	23689.8	26675.4
62.5°	5684.4	6052.1	6752.6	8670.0	11447.6	15926.0	21805.2	26730.1	26305.5	29227.6
65°	3891.8	4128.2	4769.5	5846.4	7400.5	11854.8	20421.9	29404.9	30459.9	33272.6
67.5°	2828.0	3007.5	3554.7	4498.1	4822.0	7015.2	15847.2	29282.3	34498.3	37440.1
70°	2061.9	2188.8	2648.5	3554.7	3710.1	3902.7	9600.3	24891.5	34410.8	38547.7
72.5°	1527.8	1615.4	1924.0	2757.9	3003.1	2635.4	4752.0	18090.8	29569.0	34866.0
75°	1105.4	1171.0	1398.7	2110.0	2403.3	2007.2	2370.5	10572.1	20625.4	24526.0
77.5°	844.9	895.2	1044.1	1545.3	1924.0	1505.9	1470.9	4863.6	9779.7	9827.9
80°	678.5	711.4	792.4	1087.9	1475.3	1127.3	958.7	1963.4	3090.6	2615.7
82.5°	499.1	553.8	669.8	763.9	1055.0	777.0	584.4	991.5	1175.4	1011.2
85°	284.5	321.8	404.9	547.2	674.2	475.0	334.9	440.0	547.2	448.7
87.5°	100.7	131.3	142.3	214.5	293.3	197.0	129.1	127.0	179.5	133.5
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°
6047.8	0°	6047.8	6047.8	6047.8	6047.8	6047.8	6047.8	6047.8	6047.8	6047.8	6047.8
6113.4	2.5°	6091.5	6080.6	6036.8	5977.7	5916.4	5857.3	5837.6	5796.0	5767.6	5752.3
6255.7	5°	6214.1	6179.1	6076.2	5944.9	5807.0	5658.2	5553.1	5456.8	5386.7	5321.1
6450.5	7.5°	6389.2	6327.9	6150.6	5920.8	5675.7	5428.3	5244.5	5104.4	5010.3	4949.0
6678.2	10°	6592.8	6498.7	6227.3	5883.6	5504.9	5150.3	4933.6	4813.3	4754.2	4721.3
6938.6	12.5°	6827.0	6693.5	6306.0	5798.2	5244.5	4839.5	4690.7	4655.7	4657.9	4660.0
7266.9	15°	7115.9	6929.9	6369.5	5612.2	4905.2	4600.9	4574.7	4631.6	4690.7	4719.1
7639.1	17.5°	7442.1	7179.4	6380.5	5305.7	4572.5	4447.7	4530.9	4653.5	4743.2	4782.6
8054.9	20°	7792.3	7433.3	6301.7	4872.4	4298.9	4323.0	4471.8	4629.4	4727.9	4778.2
8529.9	22.5°	8192.8	7704.7	6113.4	4417.1	4075.6	4187.3	4362.4	4515.6	4618.5	4668.8
9088.1	25°	8650.3	8009.0	5817.9	4034.0	3883.0	4034.0	4209.1	4336.1	4419.3	4465.2
9711.9	27.5°	9158.1	8326.3	5423.9	3729.8	3714.5	3876.4	4020.9	4119.4	4163.2	4198.2
10375.1	30°	9668.1	8615.3	4946.8	3500.0	3567.8	3721.0	3823.9	3867.7	3880.8	3887.4
11114.9	32.5°	10219.7	8864.8	4445.5	3309.5	3427.7	3570.0	3631.3	3651.0	3589.7	3548.1
12012.4	35°	10887.3	9131.8	3955.2	3158.5	3289.8	3412.4	3432.1	3414.6	3342.4	3257.0
13137.4	37.5°	11712.5	9464.5	3563.4	3051.2	3160.7	3241.7	3217.6	3213.2	3219.8	3119.1
14490.1	40°	12723.7	9897.9	3276.7	2968.1	3055.6	3073.1	3005.3	3042.5	3075.3	2922.1
15974.2	42.5°	13846.6	10421.1	3095.0	2911.2	2968.1	2926.5	2821.4	2863.0	2858.6	2657.3
17464.8	45°	14991.4	10990.2	3031.5	2869.6	2887.1	2803.9	2687.9	2698.8	2606.9	2425.2
18894.1	47.5°	16129.6	11600.9	3070.9	2834.5	2786.4	2692.3	2602.5	2554.4	2418.7	2283.0
20264.3	50°	17245.9	12242.2	3215.4	2764.5	2648.5	2593.8	2528.1	2442.7	2298.3	2182.3
21560.1	52.5°	18281.2	12887.9	3377.4	2648.5	2475.6	2508.4	2466.8	2368.3	2226.1	2107.9
22785.8	55°	19261.8	13533.6	3440.9	2488.7	2313.6	2434.0	2409.9	2228.2	2057.5	1961.2
24068.5	57.5°	20329.9	14310.6	3370.8	2285.1	2182.3	2348.6	2256.7	2055.3	1956.8	1884.6
25738.6	60°	21809.6	15529.8	3219.8	2033.4	2057.5	2221.7	2064.1	1980.9	1873.6	1792.7
28242.6	62.5°	24267.7	17804.0	2976.8	1783.9	1910.9	2033.4	1972.1	1889.0	1779.5	1700.7
32524.0	65°	27901.1	20964.7	2519.4	1589.1	1746.7	1849.6	1873.6	1790.5	1676.7	1593.5
36275.7	67.5°	30965.5	22947.8	1906.5	1427.1	1578.2	1700.7	1768.6	1687.6	1567.2	1486.2
37153.4	70°	30797.0	21507.5	1455.6	1267.3	1429.3	1554.1	1641.6	1578.2	1449.0	1372.4
33747.5	72.5°	27353.9	17992.3	1177.6	1105.4	1278.3	1400.9	1505.9	1457.8	1326.4	1252.0
24723.0	75°	20095.7	12771.9	941.2	941.2	1090.0	1241.1	1357.1	1326.4	1206.1	1153.5
10379.5	77.5°	8470.8	5358.3	737.6	781.4	906.2	1066.0	1210.4	1221.4	1116.3	1182.0
2744.8	80°	2252.3	1477.5	562.5	615.1	711.4	879.9	1052.8	1048.5	934.6	873.3
1020.0	82.5°	858.0	582.2	400.6	433.4	514.4	674.2	833.9	860.2	746.4	645.7
400.6	85°	330.5	249.5	247.3	260.5	299.9	446.5	630.4	652.3	562.5	477.2
111.6	87.5°	85.4	74.4	91.9	87.6	137.9	238.6	361.2	374.3	343.6	199.2
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>
6047.8
5769.8
5347.3
4962.1
4730.1
4664.4
4717.0
4791.4
4791.4
4681.9
4478.4
4211.3
3902.7
3561.2
3261.4
3125.7
2926.5
2655.1
2431.8
2283.0
2173.5
2110.0
1952.4
1878.0
1788.3
1700.7
1597.9
1488.4
1379.0
1252.0
1138.2
1072.5
812.1
645.7
492.5
284.5
0.0

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