

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: P850398

Luminaire Tested: **GLAN-SB7D-850-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850398
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7D-850-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 62181 lumens
Efficiency: N/A
Efficacy: 121.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G5

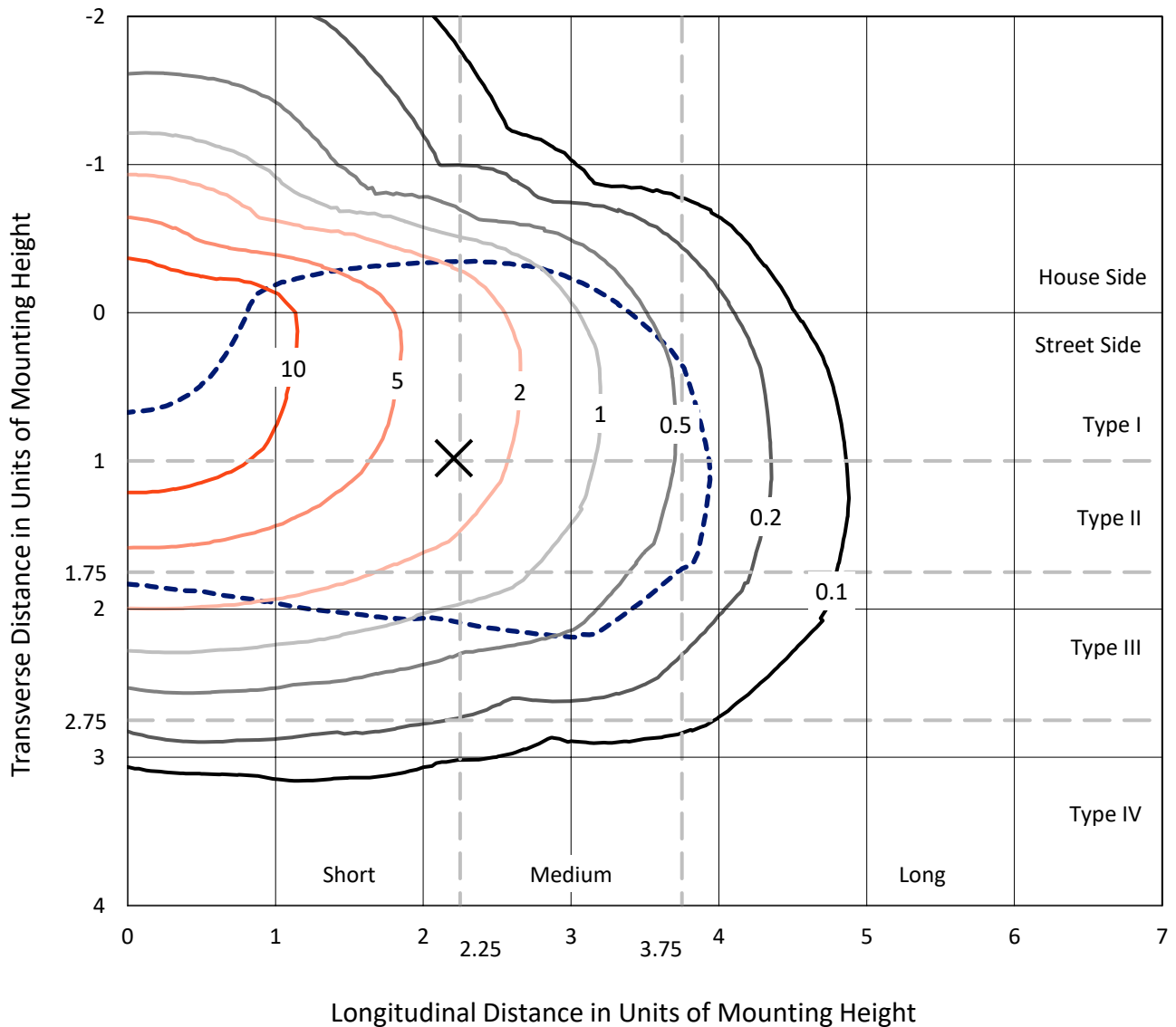
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

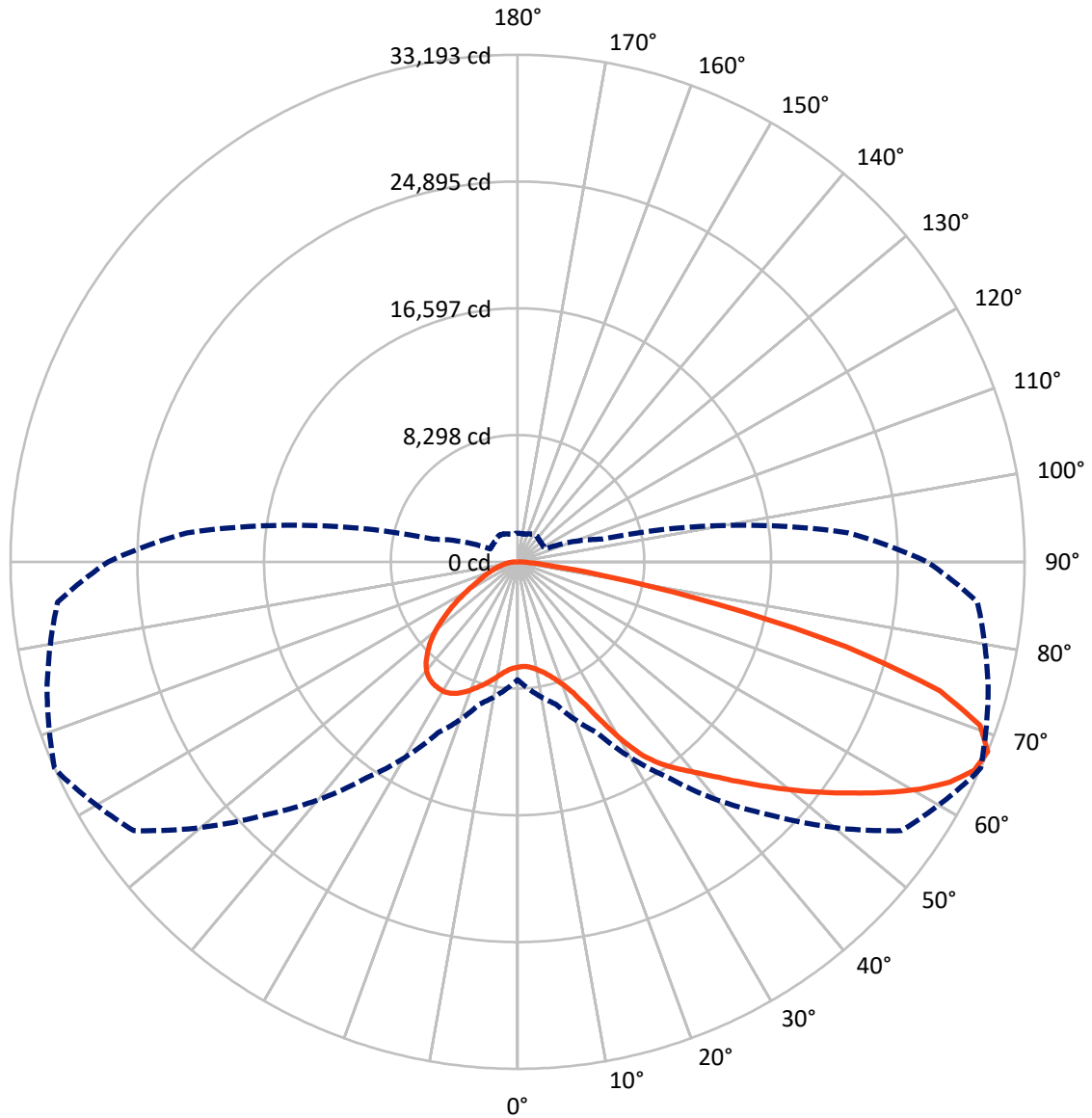
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15461.1	0.0	15461.1
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	46719.9	0.0	46719.9
	% Fixture	75.1	0.0	75.1
Total	Lumens	62181.0	0.0	62181.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	683.8	1.1
10°-20°	2259.1	3.6
20°-30°	4354.3	7.0
30°-40°	7634.7	12.3
40°-50°	11350.4	18.3
50°-60°	14387.7	23.1
60°-70°	14078.0	22.6
70°-80°	6715.3	10.8
80°-90°	717.7	1.2
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°	62181.0	100.0
0°-180°	62181.0	100.0

Coefficient of Utilization

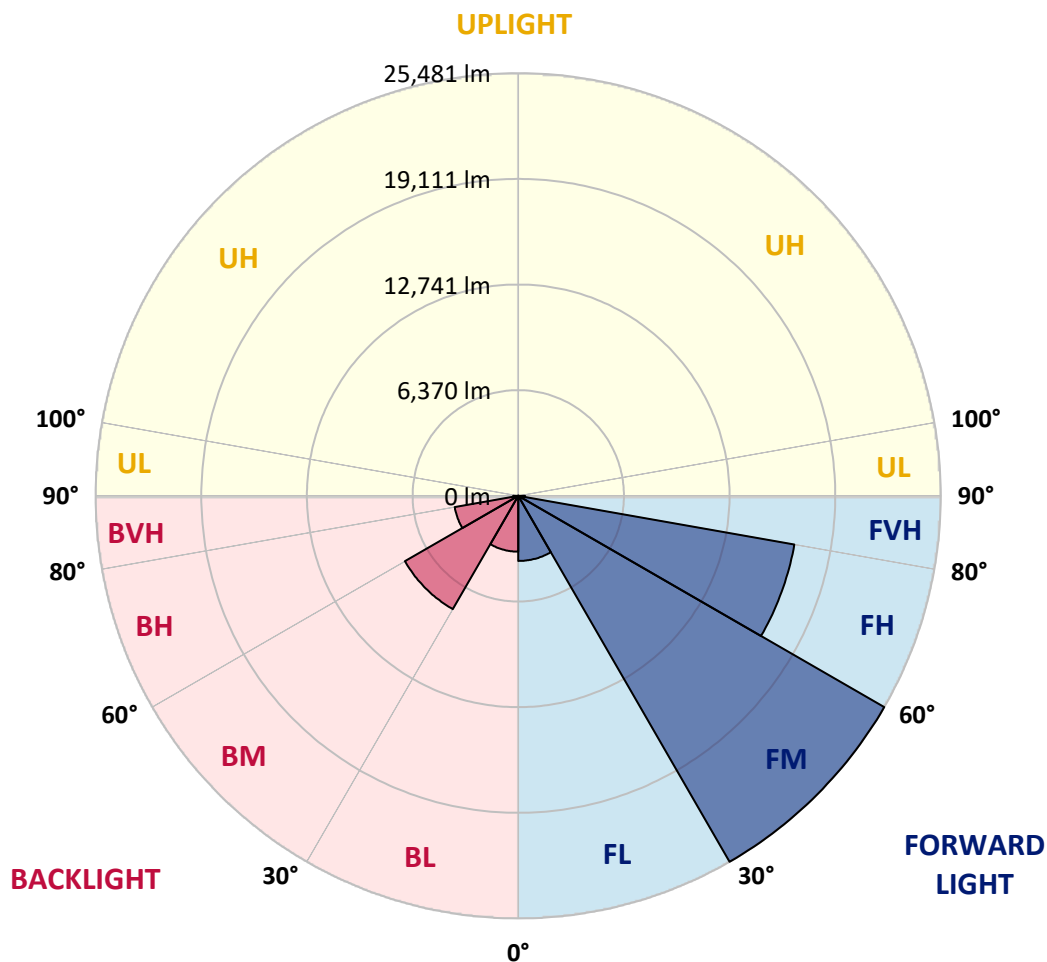


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3929.2	6.3			
FM (30°-60°)	25481.2	41.0			
FH (60°-80°)	16902.5	27.2			G5
FVH (80°-90°)	406.9	0.7			G3/500
BL (0°-30°)	3368.0	5.4	B4/5000		
BM (30°-60°)	7891.5	12.7	B4/8500		
BH (60°-80°)	3890.8	6.3	B4/5000		G4/5000
BVH (80°-90°)	310.8	0.5			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	6896.7	6896.7	6896.7	6896.7	6896.7	6896.7	6896.7	6896.7	6896.7	6896.7
2.5°	6824.8	6864.0	6854.2	6837.9	6834.6	6841.2	6851.0	6860.8	6857.5	6873.8
5°	6805.2	6844.4	6841.2	6841.2	6854.2	6880.4	6896.7	6913.0	6896.7	6916.3
7.5°	6818.3	6847.7	6860.8	6873.8	6906.5	6955.5	6994.7	7030.6	7011.0	7033.9
10°	6984.9	7007.8	7020.8	7020.8	7043.7	7099.3	7138.5	7203.8	7187.5	7223.4
12.5°	7288.7	7311.6	7311.6	7298.5	7314.9	7350.8	7363.9	7435.8	7406.4	7465.2
15°	7661.2	7706.9	7671.0	7648.1	7654.6	7690.6	7687.3	7742.9	7713.5	7762.5
17.5°	8072.8	8131.6	8072.8	8069.6	8056.5	8095.7	8099.0	8148.0	8095.7	8131.6
20°	8559.6	8641.3	8592.3	8608.6	8579.2	8595.5	8611.9	8683.8	8602.1	8628.2
22.5°	9245.7	9343.7	9291.4	9353.5	9333.9	9320.8	9317.6	9445.0	9317.6	9327.4
25°	10245.4	10363.0	10271.5	10356.5	10356.5	10398.9	10448.0	10611.3	10398.9	10336.9
27.5°	11722.1	11839.7	11660.0	11712.3	11696.0	11800.5	11748.2	12153.3	11924.6	11823.4
30°	13499.4	13708.4	13368.7	13355.6	13339.3	13505.9	13581.0	13848.9	13617.0	13515.7
32.5°	15420.4	15639.3	15234.1	15116.5	15054.5	15155.7	15093.7	15309.3	15149.2	14992.4
35°	17452.5	17668.1	17282.6	17053.9	16805.6	16593.2	16371.1	16426.6	16276.3	16037.8
37.5°	19373.5	19768.8	19360.4	19115.4	18658.0	18243.1	17622.3	17364.3	17223.8	17004.9
40°	21330.4	21555.8	21245.5	21036.4	20539.8	19889.7	18896.5	18350.9	18161.4	17949.0
42.5°	22771.2	22986.8	22820.2	22676.4	22287.7	21533.0	20249.0	19566.2	19291.8	19053.3
45°	23914.6	24074.7	23970.2	24022.5	23855.8	23124.0	21650.6	20869.8	20585.5	20294.8
47.5°	24375.3	24545.2	24711.8	25022.2	25306.4	24767.3	23156.7	22281.1	21980.6	21683.3
50°	24323.0	24496.2	24979.7	25639.6	26521.7	26342.0	24744.5	23784.0	23506.3	23166.5
52.5°	23904.8	24100.9	24721.6	25819.3	27224.1	27521.4	26361.6	25335.8	25074.4	24669.3
55°	22807.1	22924.7	23855.8	25410.9	27390.8	28344.7	27946.2	26988.9	26727.6	26162.4
57.5°	20771.8	20941.6	22297.5	24310.0	26972.6	28903.4	29337.9	28727.0	28475.4	27661.9
60°	18115.7	18386.8	19938.7	22460.8	25907.5	28900.1	30602.2	30435.6	30226.5	29138.6
62.5°	15110.0	15423.6	16916.7	19847.2	24045.3	28080.1	31392.9	31866.6	31758.8	30501.0
65°	11604.5	11820.1	13306.6	16465.8	21147.5	26319.2	31484.3	32843.4	32863.0	31536.6
67.5°	7726.5	8347.3	9637.7	12355.9	17266.2	23440.9	30680.7	33003.5	33193.0	31892.7
70°	3770.1	4586.9	5851.2	8030.4	12355.9	19027.2	28580.0	31690.2	32111.6	30853.8
72.5°	1564.9	1829.5	2518.9	3962.9	7092.7	12839.4	24359.0	28129.1	28909.9	27338.5
75°	1055.2	1143.5	1440.8	2032.1	3231.1	6331.5	17566.8	20974.3	22232.1	20647.6
77.5°	813.5	869.0	1048.7	1421.2	1921.0	2394.7	9402.5	12640.1	13290.3	12303.6
80°	640.3	682.8	784.1	1035.6	1362.4	1280.7	3205.0	5727.1	6102.8	5119.4
82.5°	555.4	571.7	561.9	702.4	905.0	748.1	1052.0	2113.8	2332.7	1692.3
85°	401.8	447.6	467.2	434.5	480.3	379.0	431.2	748.1	823.3	735.1
87.5°	163.4	241.8	297.3	281.0	176.4	107.8	133.9	218.9	251.6	274.4
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°
6896.7	0°	6896.7	6896.7	6896.7	6896.7	6896.7	6896.7	6896.7	6896.7	6896.7	6896.7
6900.0	2.5°	6903.2	6926.1	6942.4	6962.0	6975.1	6994.7	7033.9	7056.8	7060.0	7076.4
6952.2	5°	6965.3	6998.0	7033.9	7086.2	7145.0	7194.0	7269.1	7321.4	7341.0	7357.3
7079.6	7.5°	7099.3	7145.0	7210.3	7301.8	7386.7	7452.1	7543.6	7605.6	7667.7	7690.6
7282.2	10°	7298.5	7363.9	7458.6	7582.8	7674.2	7759.2	7853.9	7906.2	7968.3	7994.4
7524.0	12.5°	7546.8	7615.4	7739.6	7912.7	7997.7	8056.5	8089.2	8076.1	8089.2	8112.0
7814.7	15°	7831.1	7906.2	8046.7	8232.9	8291.7	8239.4	8167.6	8102.2	8092.4	8099.0
8167.6	17.5°	8167.6	8223.1	8386.5	8543.3	8500.8	8285.2	8128.4	8023.8	7971.5	7955.2
8618.4	20°	8638.0	8638.0	8772.0	8870.0	8585.7	8219.8	7974.8	7804.9	7697.1	7651.4
9232.6	22.5°	9209.7	9157.5	9242.4	9173.8	8569.4	8036.9	7697.1	7403.1	7239.7	7174.4
10091.8	25°	9935.0	9873.0	9850.1	9425.4	8451.8	7746.1	7194.0	6837.9	6694.1	6658.2
11330.1	27.5°	11029.5	10872.7	10575.4	9562.6	8236.2	7288.7	6605.9	6276.0	6194.3	6197.6
12921.1	30°	12486.6	12172.9	11444.4	9585.5	7883.3	6641.9	6004.8	5769.6	5730.4	5746.7
14257.3	32.5°	13835.9	13538.6	12333.0	9480.9	7341.0	6008.1	5465.7	5308.9	5250.1	5269.7
15276.6	35°	14894.4	14812.7	13156.3	9333.9	6674.5	5413.5	4982.2	4848.3	4733.9	4707.8
16237.1	37.5°	15894.1	15861.4	13773.8	9128.1	6014.6	4992.0	4593.4	4417.0	4250.4	4158.9
17298.9	40°	16991.8	16959.1	14178.9	8811.2	5429.8	4626.1	4243.9	4011.9	3806.1	3639.5
18501.2	42.5°	18226.7	18034.0	14371.7	8357.1	4933.2	4315.7	3959.6	3646.0	3374.8	3221.3
19860.3	45°	19576.0	19141.5	14368.4	7778.8	4515.0	4031.5	3655.8	3211.5	2959.9	2816.2
21255.3	47.5°	21007.0	20200.0	14192.0	7138.5	4109.9	3717.9	3185.4	2845.6	2679.0	2590.8
22771.2	50°	22483.7	21189.9	13891.4	6403.4	3695.0	3361.8	2891.3	2659.4	2531.9	2450.3
24274.0	52.5°	23872.2	22088.4	13528.8	5570.3	3273.6	3015.5	2760.6	2581.0	2447.0	2355.5
25731.1	55°	25162.6	22862.7	13015.8	4717.6	2930.5	2783.5	2698.6	2548.3	2394.7	2286.9
27211.1	57.5°	26309.4	23365.8	12130.5	3917.2	2685.5	2623.4	2633.2	2492.7	2316.3	2224.8
28668.2	60°	27263.3	23735.0	10820.4	3175.6	2486.2	2466.6	2531.9	2388.2	2182.4	2077.8
29899.8	62.5°	27835.1	23728.4	9213.0	2600.6	2316.3	2322.9	2398.0	2257.5	2048.4	1950.4
30543.4	65°	27786.1	23146.9	7448.8	2224.8	2153.0	2159.5	2257.5	2113.8	1937.3	1878.5
30220.0	67.5°	26802.7	21729.0	5714.0	1979.8	1973.3	2002.7	2117.0	2015.8	1868.7	1862.2
28292.5	70°	24140.1	18785.4	4116.5	1783.8	1787.1	1829.5	1979.8	1953.7	1832.8	1845.9
23787.2	72.5°	19357.1	14322.6	2763.9	1578.0	1581.2	1649.8	1849.1	1904.7	1796.9	1970.0
16877.5	75°	12891.7	8932.1	1777.3	1359.1	1362.4	1450.6	1734.8	1809.9	1698.9	1963.5
8781.8	77.5°	6194.3	4015.2	1287.2	1143.5	1143.5	1225.1	1499.6	1620.4	1447.3	1525.7
2822.7	80°	2139.9	1509.4	1012.8	921.3	901.7	957.2	1264.3	1404.8	1248.0	1150.0
921.3	82.5°	842.9	784.1	813.5	715.5	650.1	686.1	983.4	1159.8	918.0	829.8
519.5	85°	483.5	509.7	575.0	473.7	375.7	421.4	722.0	833.1	692.6	610.9
169.9	87.5°	130.7	179.7	264.6	245.0	169.9	179.7	343.0	460.7	398.6	307.1
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>
6896.7
7073.1
7354.1
7693.8
8007.5
8118.6
8121.8
7978.1
7641.6
7164.6
6664.7
6207.4
5802.2
5295.9
4727.4
4162.2
3655.8
3231.1
2809.6
2571.2
2420.9
2316.3
2244.4
2166.0
2032.1
1921.0
1875.3
1872.0
1842.6
1996.2
1979.8
1398.3
1078.1
826.6
624.0
316.9
0.0

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