

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: P850795

Luminaire Tested: **GLAN-SB8C-722-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850795
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8C-722-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34580 lumens
Efficiency: N/A
Efficacy: 86.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

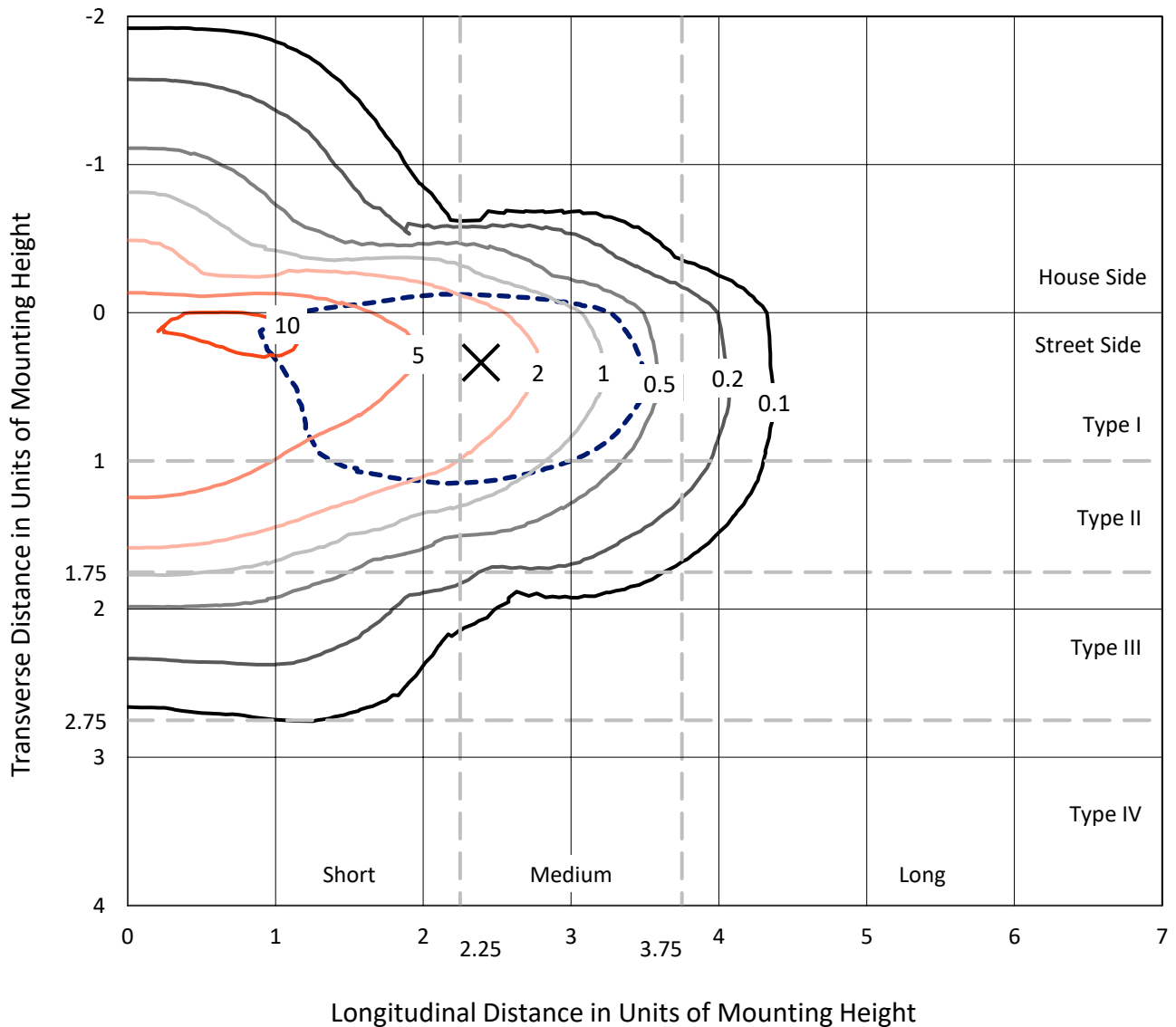
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

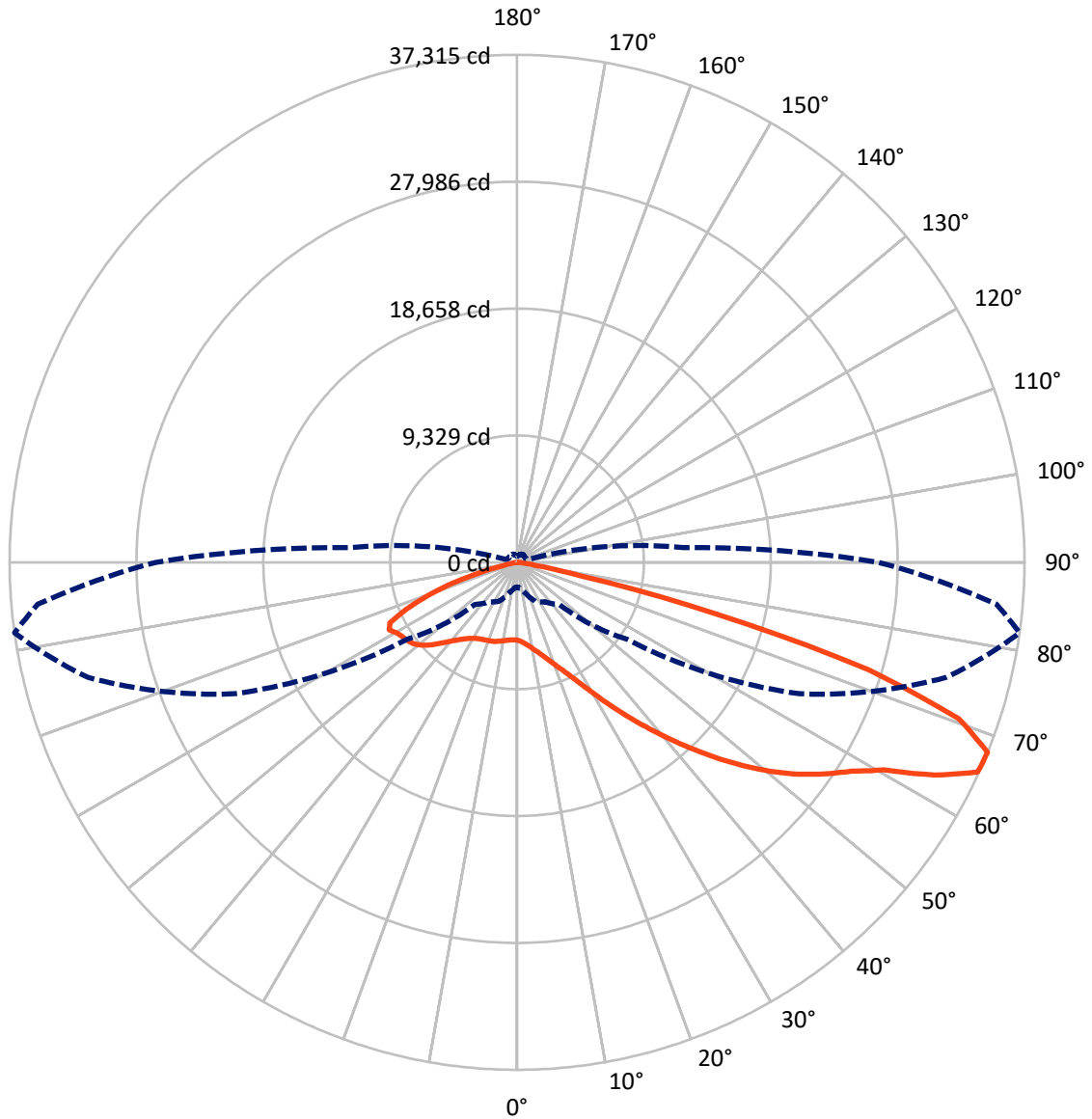
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6263.9	0.0	6263.9
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	28316.1	0.0	28316.1
	% Fixture	81.9	0.0	81.9
Total	Lumens	34580.0	0.0	34580.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	510.4	1.5
10°-20°	1326.3	3.8
20°-30°	2124.3	6.1
30°-40°	3756.4	10.9
40°-50°	6581.6	19.0
50°-60°	8778.0	25.4
60°-70°	8171.9	23.6
70°-80°	3136.4	9.1
80°-90°	194.8	0.6
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°	34580.0	100.0
0°-180°	34580.0	100.0

Coefficient of Utilization

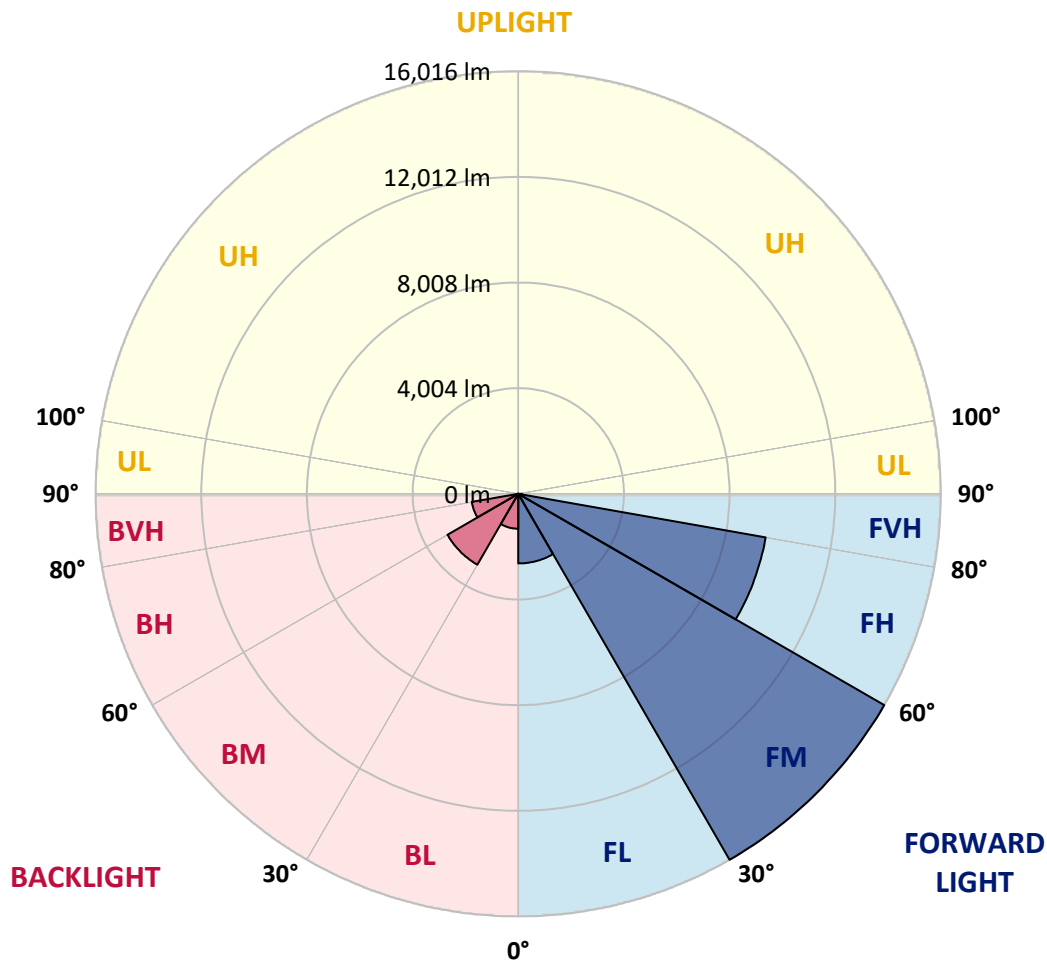


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2638.1	7.6			
FM (30°-60°)	16016.0	46.3			
FH (60°-80°)	9520.4	27.5			G4/12000
FVH (80°-90°)	141.6	0.4			G2/225
BL (0°-30°)	1322.9	3.8	B3/2500		
BM (30°-60°)	3100.0	9.0	B3/5000		
BH (60°-80°)	1787.8	5.2	B3/2500		G3/2500
BVH (80°-90°)	53.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	5728.7	5728.7	5728.7	5728.7	5728.7	5728.7	5728.7	5728.7	5728.7	5728.7
2.5°	6054.9	6089.7	6069.8	6059.9	6042.4	6017.5	5997.6	5935.4	5870.6	5828.3
5°	6176.9	6211.7	6209.2	6219.2	6231.6	6239.1	6234.1	6164.4	6072.3	6000.1
7.5°	6072.3	6112.1	6144.5	6194.3	6281.4	6373.6	6418.4	6403.4	6308.8	6209.2
10°	5776.0	5818.4	5895.5	6012.6	6196.8	6396.0	6562.8	6640.0	6580.2	6470.7
12.5°	5233.3	5275.6	5427.5	5681.4	5990.2	6336.2	6654.9	6861.5	6876.5	6766.9
15°	4623.3	4665.6	4827.5	5146.2	5616.7	6171.9	6704.7	7095.6	7227.5	7132.9
17.5°	4244.9	4282.2	4404.2	4660.7	5151.1	5843.3	6687.3	7344.5	7645.8	7571.1
20°	4130.4	4162.7	4220.0	4399.3	4807.6	5502.2	6572.7	7578.6	8096.4	8054.1
22.5°	4252.4	4282.2	4299.7	4379.3	4635.8	5278.1	6428.3	7817.6	8619.2	8624.2
25°	4533.7	4563.6	4543.7	4593.4	4705.5	5208.4	6373.6	8098.9	9276.5	9331.3
27.5°	4996.8	4999.3	4952.0	4949.5	4966.9	5313.0	6430.8	8400.2	10105.6	10207.7
30°	5925.4	5888.1	5706.3	5509.6	5420.0	5626.7	6590.2	8756.2	11084.0	11265.8
32.5°	7357.0	7302.2	6968.6	6498.0	6025.0	6132.1	6876.5	9162.0	12149.6	12478.2
35°	8910.5	8895.6	8547.0	7847.4	7020.9	6851.6	7342.0	9694.8	13312.3	13835.1
37.5°	10354.5	10347.1	10147.9	9323.8	8318.0	7854.9	8088.9	10391.9	14557.1	15314.0
40°	11674.1	11696.5	11497.3	10760.4	9747.1	9142.1	9104.7	11253.3	15941.4	16924.8
42.5°	12814.3	12839.2	12637.6	12092.3	11158.7	10566.2	10352.1	12308.9	17293.3	18655.1
45°	13588.6	13743.0	13713.1	13277.4	12607.7	11992.8	11850.8	13633.4	18834.4	20490.0
47.5°	13807.7	13949.6	14173.7	14233.5	13825.1	13220.2	13389.5	15229.3	20392.9	22327.4
50°	13267.5	13399.4	13865.0	14484.9	14768.7	14582.0	14885.8	16939.7	21988.8	24159.8
52.5°	12201.9	12336.3	12923.9	13904.8	15062.5	15650.1	16387.0	18625.2	23534.9	25895.1
55°	10660.8	10802.7	11557.1	12667.5	14502.3	16090.8	17639.3	20308.3	24951.5	27456.1
57.5°	8564.5	8669.0	9453.3	11006.8	13093.2	15652.6	18563.0	22145.6	26286.0	28989.7
60°	5581.8	5674.0	6585.2	8318.0	10757.9	14188.6	18747.2	24194.6	28058.6	30984.0
62.5°	3712.1	3774.3	4314.6	5586.8	7576.1	11377.8	17669.2	25830.3	30657.8	34454.6
65°	2546.9	2609.2	3149.4	4035.8	4894.7	7526.3	14569.6	25613.7	33013.1	37210.6
67.5°	1817.5	1869.7	2327.8	3164.4	3542.8	4371.9	9876.5	22845.2	32674.5	37315.2
70°	1302.1	1332.0	1710.4	2464.8	2815.8	2626.6	5492.2	17472.5	28608.8	34457.1
72.5°	911.2	921.2	1187.6	1877.2	2268.1	1917.0	2614.2	11649.2	21637.7	27045.3
75°	617.4	629.9	799.2	1376.8	1820.0	1463.9	1384.3	6246.6	12702.3	14970.4
77.5°	378.4	383.4	515.4	941.1	1361.9	1115.4	891.3	2646.5	4914.6	4825.0
80°	214.1	214.1	328.6	585.1	928.6	719.5	624.9	1125.3	1556.0	1366.8
82.5°	119.5	122.0	239.0	363.5	614.9	425.7	343.6	520.3	672.2	595.0
85°	49.8	54.8	146.9	171.8	293.8	211.6	139.4	219.1	249.0	221.6
87.5°	5.0	7.5	44.8	32.4	34.9	42.3	19.9	42.3	34.9	34.9
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°
5728.7	0°	5728.7	5728.7	5728.7	5728.7	5728.7	5728.7	5728.7	5728.7	5728.7	5728.7
5813.4	2.5°	5766.1	5728.7	5634.1	5524.6	5380.2	5310.5	5215.9	5151.1	5096.4	5101.3
5957.8	5°	5878.1	5783.5	5571.9	5308.0	4979.3	4745.3	4496.3	4324.6	4185.1	4155.3
6157.0	7.5°	6032.5	5883.1	5512.1	5036.6	4481.4	4060.7	3684.7	3443.2	3271.4	3216.7
6398.5	10°	6231.6	6015.0	5435.0	4695.5	3896.3	3361.1	2957.7	2768.5	2651.5	2611.7
6682.3	12.5°	6463.2	6166.9	5332.9	4279.7	3293.8	2778.5	2522.0	2427.4	2390.1	2377.6
7030.8	15°	6754.5	6356.1	5178.5	3786.8	2783.5	2422.5	2312.9	2300.5	2305.4	2300.5
7449.1	17.5°	7100.5	6562.8	4927.1	3278.9	2439.9	2240.7	2200.9	2210.8	2223.3	2220.8
7917.2	20°	7479.0	6766.9	4605.9	2828.3	2205.8	2111.2	2088.8	2098.8	2108.8	2103.8
8457.4	22.5°	7909.7	6986.0	4249.9	2477.2	2049.0	1991.7	1966.8	1969.3	1969.3	1959.4
9142.1	25°	8425.1	7227.5	3876.4	2228.3	1929.5	1884.7	1854.8	1844.8	1829.9	1800.0
9973.6	27.5°	9040.0	7484.0	3517.9	2054.0	1834.9	1792.6	1757.7	1732.8	1695.5	1645.7
10972.0	30°	9732.1	7795.2	3214.2	1944.4	1760.2	1717.9	1678.0	1640.7	1585.9	1523.7
12119.7	32.5°	10546.3	8128.8	2992.6	1872.2	1693.0	1648.2	1600.9	1556.0	1496.3	1434.1
13409.4	35°	11517.2	8532.1	2863.1	1822.4	1640.7	1580.9	1528.7	1478.9	1434.1	1379.3
14811.1	37.5°	12570.4	8960.3	2823.3	1797.5	1605.8	1513.7	1454.0	1419.1	1414.1	1381.8
16327.3	40°	13723.1	9468.2	2853.2	1782.6	1568.5	1449.0	1384.3	1376.8	1389.2	1332.0
17948.0	42.5°	14943.0	10070.7	2903.0	1765.2	1516.2	1384.3	1322.0	1322.0	1312.1	1232.4
19660.9	45°	16262.5	10765.3	2952.8	1722.9	1454.0	1319.5	1272.2	1254.8	1212.5	1135.3
21383.8	47.5°	17592.0	11472.4	2990.1	1645.7	1379.3	1264.8	1222.4	1182.6	1120.4	1050.6
23074.3	50°	18854.3	12107.3	2950.3	1531.1	1294.6	1212.5	1167.7	1112.9	1045.7	998.4
24675.1	52.5°	19982.1	12657.5	2781.0	1396.7	1205.0	1157.7	1117.9	1060.6	1005.8	956.0
26119.2	55°	20963.0	13103.1	2482.2	1269.7	1125.3	1110.4	1070.6	998.4	923.7	881.3
27550.7	57.5°	21904.1	13441.7	2108.8	1165.2	1053.1	1058.1	998.4	933.6	863.9	819.1
29480.2	60°	23156.4	13894.9	1730.3	1068.1	976.0	990.9	926.2	878.9	791.7	734.5
32789.0	62.5°	25158.1	14599.4	1374.3	948.6	886.3	891.3	863.9	806.7	702.1	634.9
35241.3	65°	26746.5	14340.5	1083.0	819.1	784.2	791.7	791.7	729.5	617.4	540.3
35373.3	67.5°	26567.3	12279.1	863.9	692.1	687.1	692.1	709.6	657.3	547.7	485.5
32679.4	70°	24473.5	9767.0	692.1	575.1	597.5	585.1	634.9	600.0	493.0	430.7
25334.9	72.5°	19969.7	7035.8	527.8	475.5	458.1	478.0	572.6	540.3	410.8	341.1
13419.3	75°	11669.1	3754.4	393.4	375.9	331.1	398.3	507.9	460.6	313.7	251.5
4112.9	77.5°	3799.2	1309.6	288.8	276.4	246.5	321.2	433.2	388.4	256.4	199.2
1205.0	80°	1018.3	395.9	196.7	181.7	159.3	239.0	343.6	308.7	184.2	129.5
517.9	82.5°	408.3	166.8	114.5	102.1	87.1	164.3	271.4	249.0	136.9	82.2
161.8	85°	132.0	54.8	42.3	32.4	39.8	102.1	161.8	169.3	97.1	42.3
24.9	87.5°	17.4	7.5	7.5	10.0	7.5	17.4	49.8	47.3	27.4	5.0
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

180°
5728.7
5051.5
4088.0
3161.9
2581.8
2370.2
2298.0
2215.8
2101.3
1954.4
1795.1
1640.7
1518.7
1436.5
1374.3
1379.3
1334.5
1232.4
1132.8
1048.2
990.9
951.1
876.4
814.1
727.0
629.9
532.8
475.5
423.2
333.6
244.0
191.7
127.0
82.2
32.4
0.0
0.0

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