

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: P850977

Luminaire Tested: **GLAN-SB8D-727-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850977
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8D-727-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 57391 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

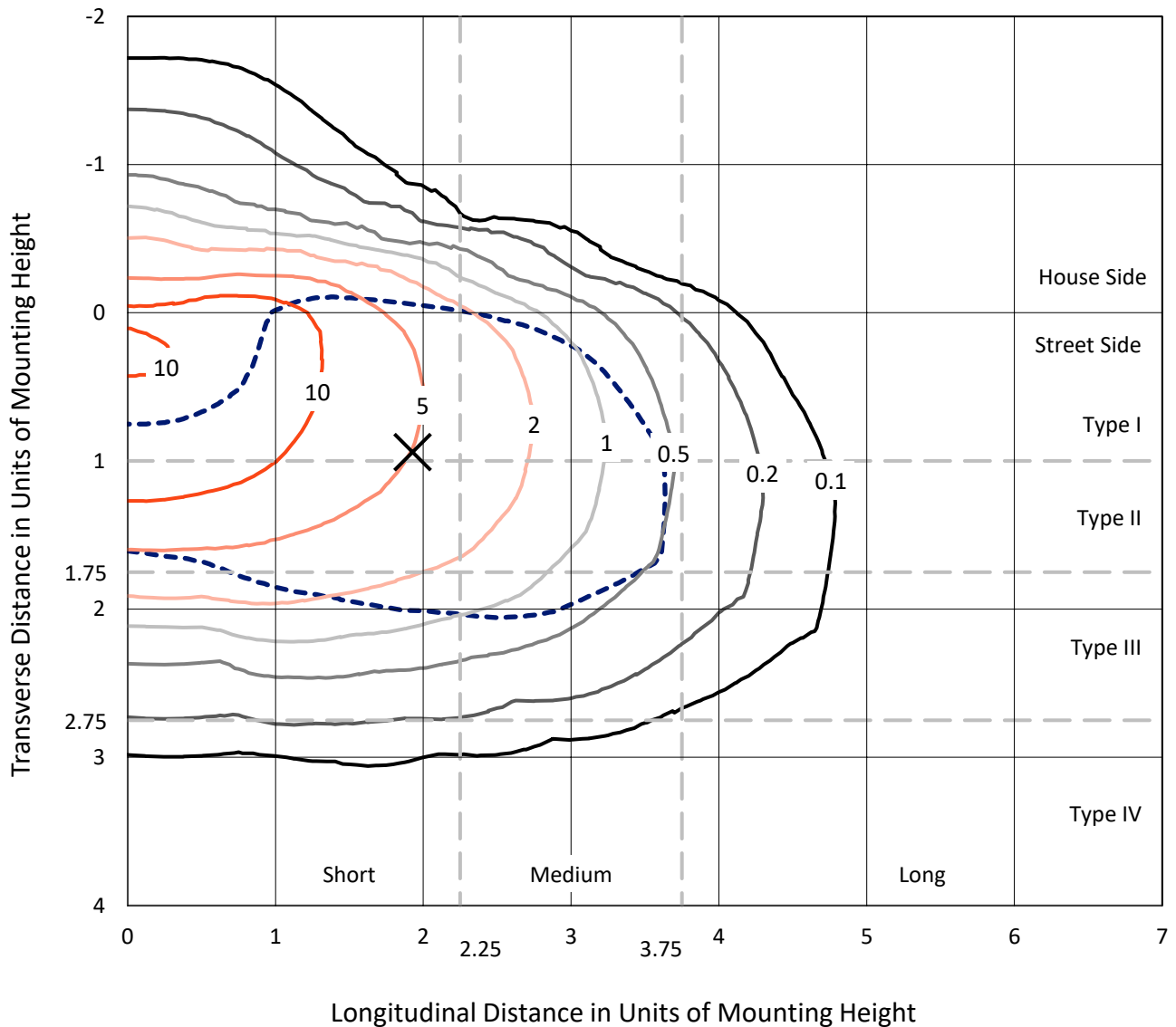
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

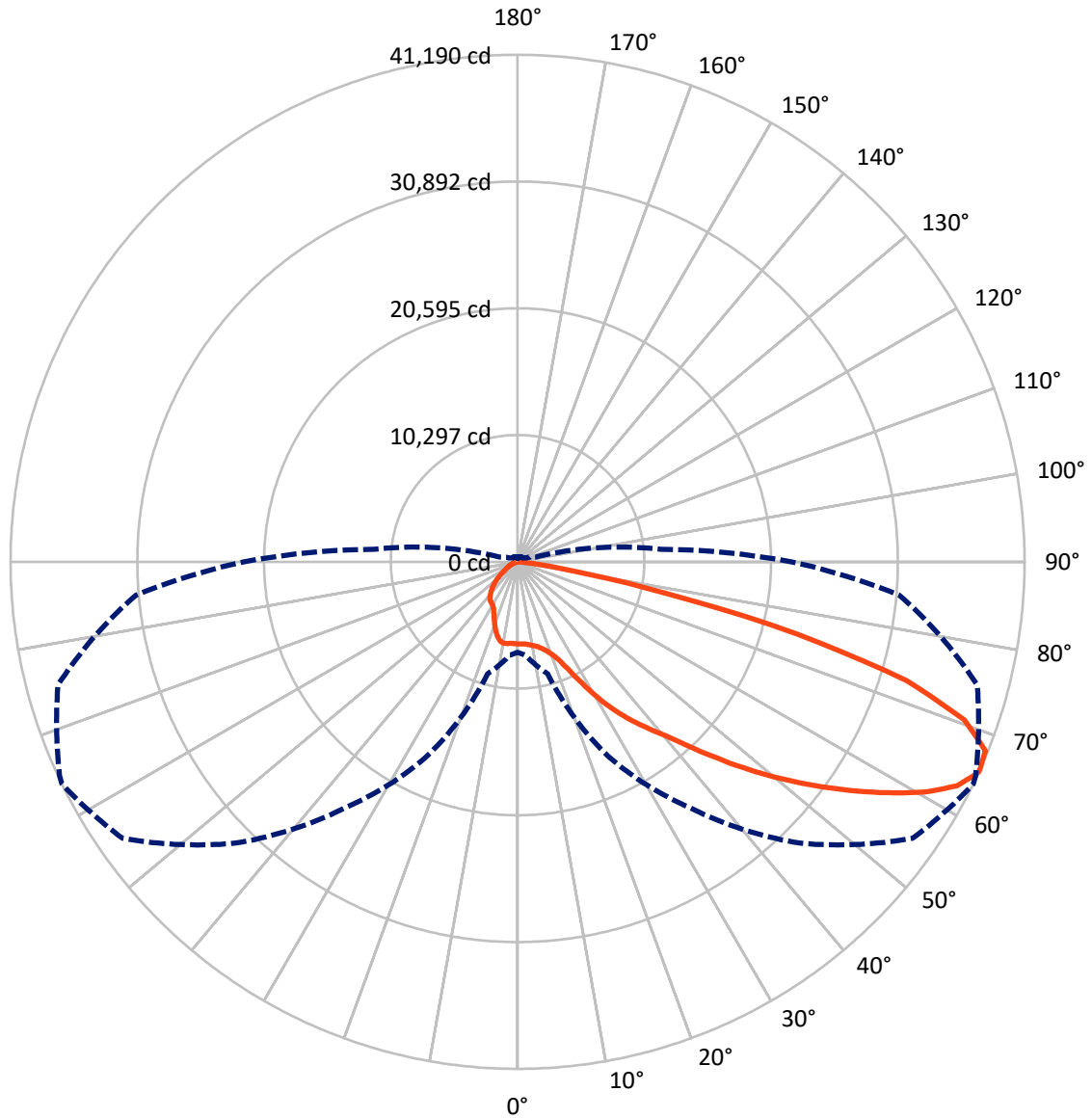
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7674.9	0.0	7674.9
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	49716.1	0.0	49716.1
	% Fixture	86.6	0.0	86.6
Total	Lumens	57391.0	0.0	57391.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	615.9	1.1
10°-20°	1670.4	2.9
20°-30°	3165.2	5.5
30°-40°	6404.9	11.2
40°-50°	10910.7	19.0
50°-60°	14837.8	25.9
60°-70°	13933.4	24.3
70°-80°	5582.3	9.7
80°-90°	270.4	0.5
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°	57391.0	100.0
0°-180°	57391.0	100.0

Coefficient of Utilization



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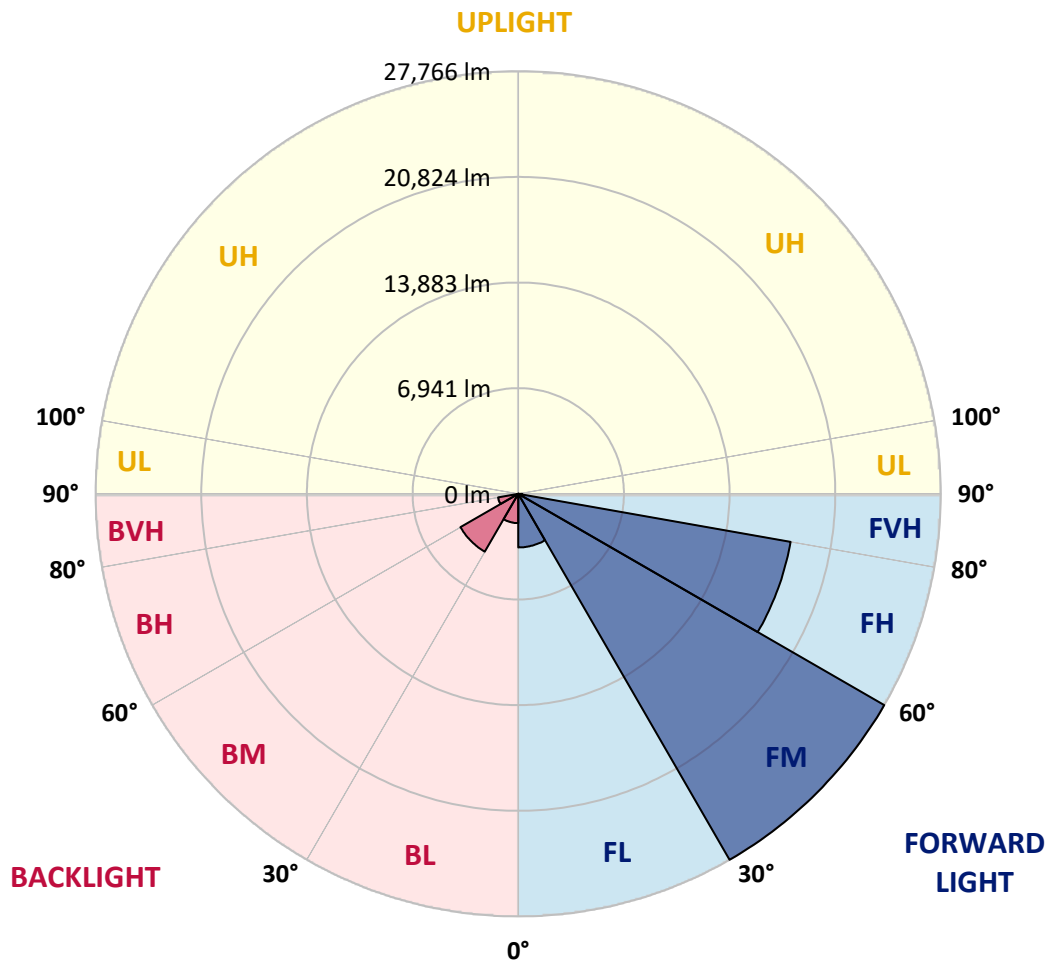
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3524.5	6.1			
FM (30°-60°)	27765.7	48.4			
FH (60°-80°)	18168.7	31.7			G5
FVH (80°-90°)	257.2	0.4			G3/500
BL (0°-30°)	1926.9	3.4	B3/2500		
BM (30°-60°)	4387.7	7.6	B3/5000		
BH (60°-80°)	1347.1	2.3	B3/2500		G3/2500
BVH (80°-90°)	13.2	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type III Short



REPORT NUMBER: P850977
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	6675.2	6675.2	6675.2	6675.2	6675.2	6675.2	6675.2	6675.2	6675.2	6675.2
2.5°	6652.1	6698.3	6686.7	6675.2	6671.3	6679.0	6682.9	6679.0	6679.0	6679.0
5°	6525.1	6563.6	6563.6	6590.5	6629.0	6675.2	6709.8	6717.5	6725.2	6736.7
7.5°	6282.7	6313.5	6336.6	6425.1	6521.3	6644.4	6748.3	6802.1	6809.8	6852.1
10°	6117.3	6155.8	6194.2	6286.6	6425.1	6609.8	6786.7	6917.6	6936.8	7036.8
12.5°	6109.6	6148.1	6198.1	6298.1	6459.7	6655.9	6871.4	7059.9	7094.5	7240.7
15°	6190.4	6236.6	6282.7	6405.9	6579.0	6817.5	7048.4	7283.1	7317.7	7525.4
17.5°	6355.8	6417.4	6452.0	6575.1	6759.8	7025.3	7329.2	7598.5	7629.3	7871.7
20°	6682.9	6756.0	6767.5	6867.5	7048.4	7333.1	7694.7	8029.4	8067.9	8344.9
22.5°	7360.0	7463.9	7371.5	7421.6	7583.1	7867.9	8260.3	8683.5	8737.4	9052.8
25°	8552.7	8698.9	8460.3	8375.7	8445.0	8741.2	9233.7	9768.4	9830.0	10083.9
27.5°	10895.7	10707.2	10345.6	9991.6	9783.8	9953.1	10507.1	11168.9	11245.8	11492.1
30°	13469.6	13304.2	12815.6	12030.7	11538.2	11511.3	12023.0	12761.7	12850.2	13084.9
32.5°	16047.3	15889.6	15358.7	14393.0	13538.9	13115.6	13469.6	14289.1	14335.3	14485.3
35°	18582.7	18421.2	17890.2	16901.5	15851.1	14889.3	14820.0	15743.4	15758.8	15916.5
37.5°	21133.5	20998.9	20433.3	19463.8	18428.9	17101.5	16459.0	17120.8	17140.0	17293.9
40°	22953.3	23011.1	22622.5	21872.2	20983.5	19533.0	18298.0	18586.6	18471.2	18728.9
42.5°	24515.4	24630.8	24292.2	23915.2	23399.6	22122.3	20575.7	20525.7	20341.0	20479.5
45°	25865.8	25962.0	25658.0	25569.6	25558.0	24661.6	23064.9	22764.8	22507.1	22480.1
47.5°	26362.1	26546.8	26677.6	26973.8	27550.9	27173.9	25638.8	25173.3	24884.7	24673.1
50°	26550.6	26746.8	27193.1	28054.9	29420.8	29582.3	28201.1	27677.9	27323.9	26939.2
52.5°	26296.7	26646.8	27247.0	28697.5	30678.8	31513.7	30659.6	30201.8	29797.8	29170.7
55°	24800.1	25150.2	26377.5	28689.8	31306.0	32868.0	32983.4	32779.5	32325.5	31336.7
57.5°	21645.2	22164.6	24107.6	27712.5	31294.4	34033.7	35261.1	35407.3	34899.4	33483.6
60°	17274.6	17978.7	20348.7	25546.5	30328.7	34664.7	37257.8	37988.8	37450.2	35599.6
62.5°	12053.8	12869.4	15112.4	22153.1	28120.4	34210.7	38716.0	40066.4	39658.6	37492.5
65°	7352.3	7613.9	9422.2	17432.4	24365.3	32310.1	39166.1	41189.8	41055.2	38650.6
67.5°	4897.7	5117.0	5636.4	11953.7	18913.6	28512.8	38088.9	40993.6	41032.1	38462.1
70°	2950.9	3139.4	3478.0	6952.2	12257.7	22568.6	34753.2	38492.8	38716.0	35942.0
72.5°	1215.8	1342.7	1650.5	3151.0	6348.1	14323.7	27674.1	33048.8	33568.2	30221.0
75°	688.7	754.1	969.5	1581.3	2754.7	6675.2	16762.9	23461.2	24226.8	20829.6
77.5°	457.8	488.6	627.1	1023.4	1550.5	2277.6	7163.8	12223.1	13685.1	11376.6
80°	307.8	334.7	430.9	684.8	1008.0	977.2	2281.5	4528.3	5571.0	3908.9
82.5°	207.8	211.6	307.8	450.1	638.7	473.2	673.3	1408.1	1769.8	1131.1
85°	119.3	115.4	227.0	261.6	284.7	196.2	203.9	423.2	554.0	477.1
87.5°	15.4	23.1	88.5	69.3	38.5	42.3	42.3	73.1	107.7	115.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P850977
 CATALOG NUMBER: GLAN-SB8D-727-U-T3-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
6675.2	0°	6675.2	6675.2	6675.2	6675.2	6675.2	6675.2	6675.2	6675.2	6675.2	6675.2
6682.9	2.5°	6682.9	6679.0	6667.5	6655.9	6629.0	6613.6	6621.3	6613.6	6609.8	6613.6
6732.9	5°	6732.9	6721.3	6690.6	6652.1	6598.2	6532.8	6490.5	6428.9	6371.2	6336.6
6867.5	7.5°	6867.5	6856.0	6813.7	6705.9	6532.8	6259.7	6009.6	5790.3	5624.8	5528.7
7083.0	10°	7083.0	7063.8	6998.3	6759.8	6305.8	5709.5	5213.2	4801.5	4532.2	4405.2
7336.9	12.5°	7336.9	7313.8	7198.4	6709.8	5874.9	4943.9	4259.0	3801.2	3551.1	3439.5
7629.3	15°	7637.0	7606.2	7379.2	6471.3	5247.8	4097.4	3470.3	3127.9	2966.3	2866.3
8002.5	17.5°	8010.2	7956.3	7513.9	6113.5	4566.8	3451.1	2985.6	2727.8	2585.4	2489.2
8491.1	20°	8495.0	8406.5	7621.6	5686.4	3939.7	3043.3	2658.5	2443.1	2335.3	2250.7
9183.6	22.5°	9172.1	9045.1	7752.4	5224.7	3497.3	2762.4	2416.1	2258.4	2169.9	2073.7
10149.3	25°	10010.8	9860.8	7914.0	4797.7	3193.3	2520.0	2239.2	2108.4	2004.5	1892.9
11415.1	27.5°	11184.3	10915.0	8106.4	4447.5	2931.7	2312.3	2077.6	1931.4	1812.1	1719.8
12850.2	30°	12492.4	12049.9	8275.7	4235.9	2693.2	2119.9	1866.0	1719.8	1608.2	1542.8
14139.0	32.5°	13731.2	13131.0	8387.2	4143.6	2477.7	1900.6	1635.1	1477.4	1392.7	1373.5
15401.0	35°	14900.8	14108.3	8375.7	4055.1	2285.3	1681.3	1408.1	1246.5	1181.1	1192.7
16759.1	37.5°	16247.4	15150.9	8294.9	3916.6	2127.6	1481.2	1211.9	1069.6	1011.9	1015.7
18409.6	40°	17813.3	16355.1	8244.9	3655.0	1954.5	1296.6	1050.3	934.9	892.6	877.2
20148.6	42.5°	19483.0	17520.9	8252.6	3358.7	1739.0	1131.1	938.8	842.6	804.1	792.6
22083.8	45°	21160.5	18632.8	8264.1	3051.0	1512.0	1004.2	858.0	777.2	754.1	738.7
24046.0	47.5°	22737.9	19579.2	8048.7	2720.1	1288.9	908.0	792.6	738.7	719.5	700.2
26015.8	50°	24207.6	20210.2	7529.3	2335.3	1111.9	831.0	742.5	704.1	684.8	665.6
27801.0	52.5°	25350.3	20310.2	6671.3	1939.1	988.8	773.3	711.8	677.1	654.1	634.8
29243.8	55°	25858.1	19683.1	5451.7	1569.7	892.6	723.3	681.0	646.4	619.4	600.2
30378.8	57.5°	25727.3	18363.4	4251.3	1261.9	800.3	673.3	642.5	619.4	588.6	557.9
31298.3	60°	25084.8	16597.5	3204.9	1050.3	715.6	619.4	600.2	581.0	538.6	492.5
31652.2	62.5°	23972.9	14377.6	2285.3	869.5	623.3	557.9	550.2	534.8	473.2	388.6
31129.0	65°	22272.4	11680.6	1538.9	723.3	534.8	488.6	492.5	465.5	384.7	288.6
29213.0	67.5°	19787.0	8541.1	984.9	592.5	446.3	407.8	411.7	396.3	327.0	246.2
25581.1	70°	16620.6	5655.6	642.5	450.1	357.8	315.5	338.6	342.4	277.0	200.1
19633.1	72.5°	12184.6	3339.5	450.1	334.7	261.6	219.3	277.0	284.7	223.1	150.0
11811.4	75°	6944.5	1585.1	338.6	242.4	161.6	153.9	215.5	215.5	153.9	100.0
5113.1	77.5°	2916.3	661.7	238.5	157.7	92.3	88.5	146.2	134.7	76.9	46.2
1246.5	80°	842.6	296.2	127.0	76.9	38.5	34.6	57.7	42.3	19.2	7.7
473.2	82.5°	330.9	130.8	50.0	30.8	15.4	15.4	7.7	0.0	0.0	0.0
269.3	85°	196.2	53.9	23.1	11.5	3.8	0.0	0.0	0.0	0.0	0.0
57.7	87.5°	50.0	11.5	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
6675.2
6629.0
6344.3
5532.5
4393.7
3428.0
2870.1
2481.5
2235.3
2058.3
1881.4
1700.5
1531.2
1385.0
1192.7
1031.1
873.4
788.7
738.7
700.2
665.6
631.0
596.3
554.0
484.8
380.9
280.9
234.7
192.4
142.4
92.3
46.2
7.7
0.0
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