

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: P951269

Luminaire Tested: **GLAN-SB5C-722-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951269
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5C-722-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26460 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G3

Input Watts (W): 249.5
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

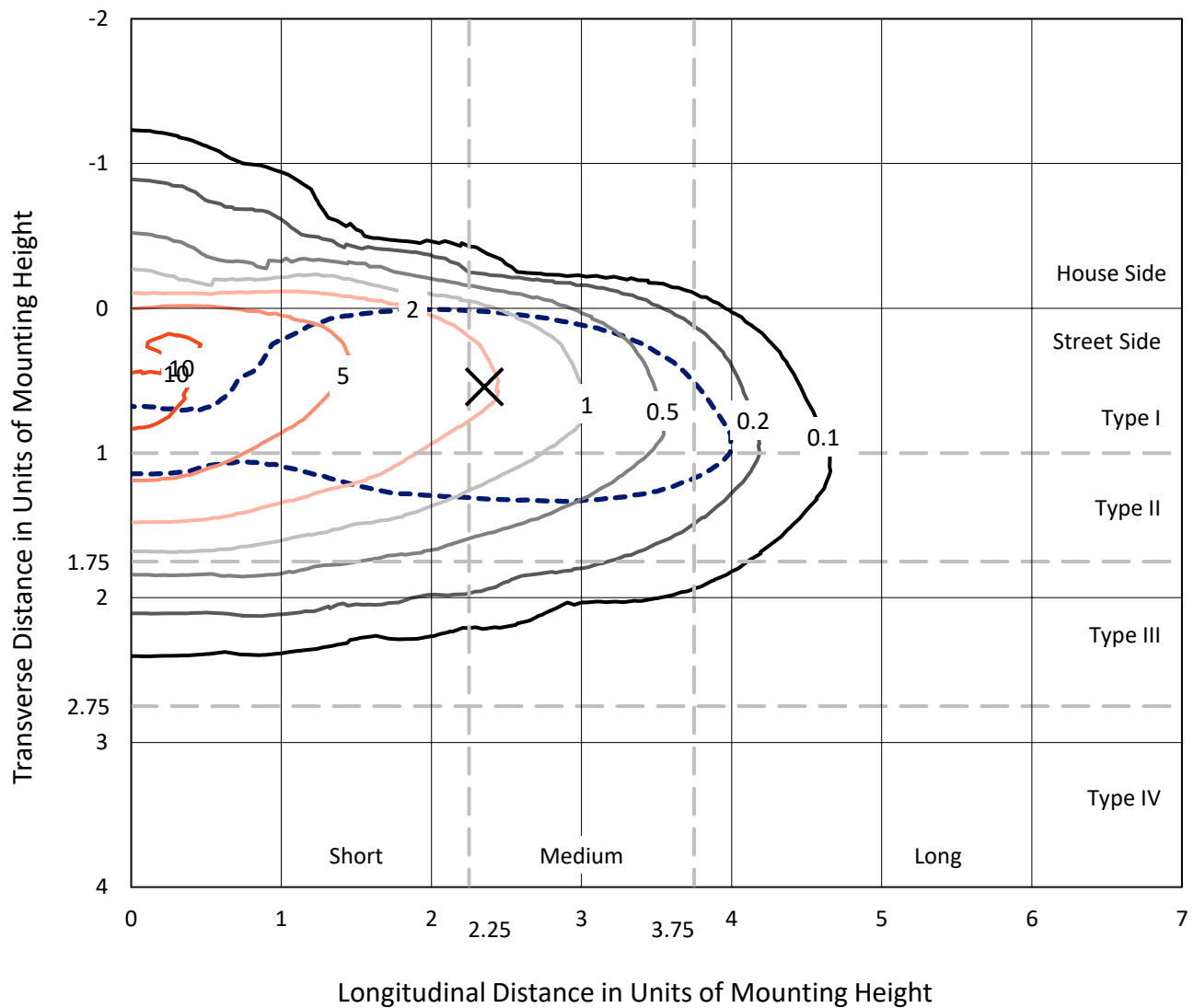


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Iso-Footcandle Lines of Horizontal Illumination

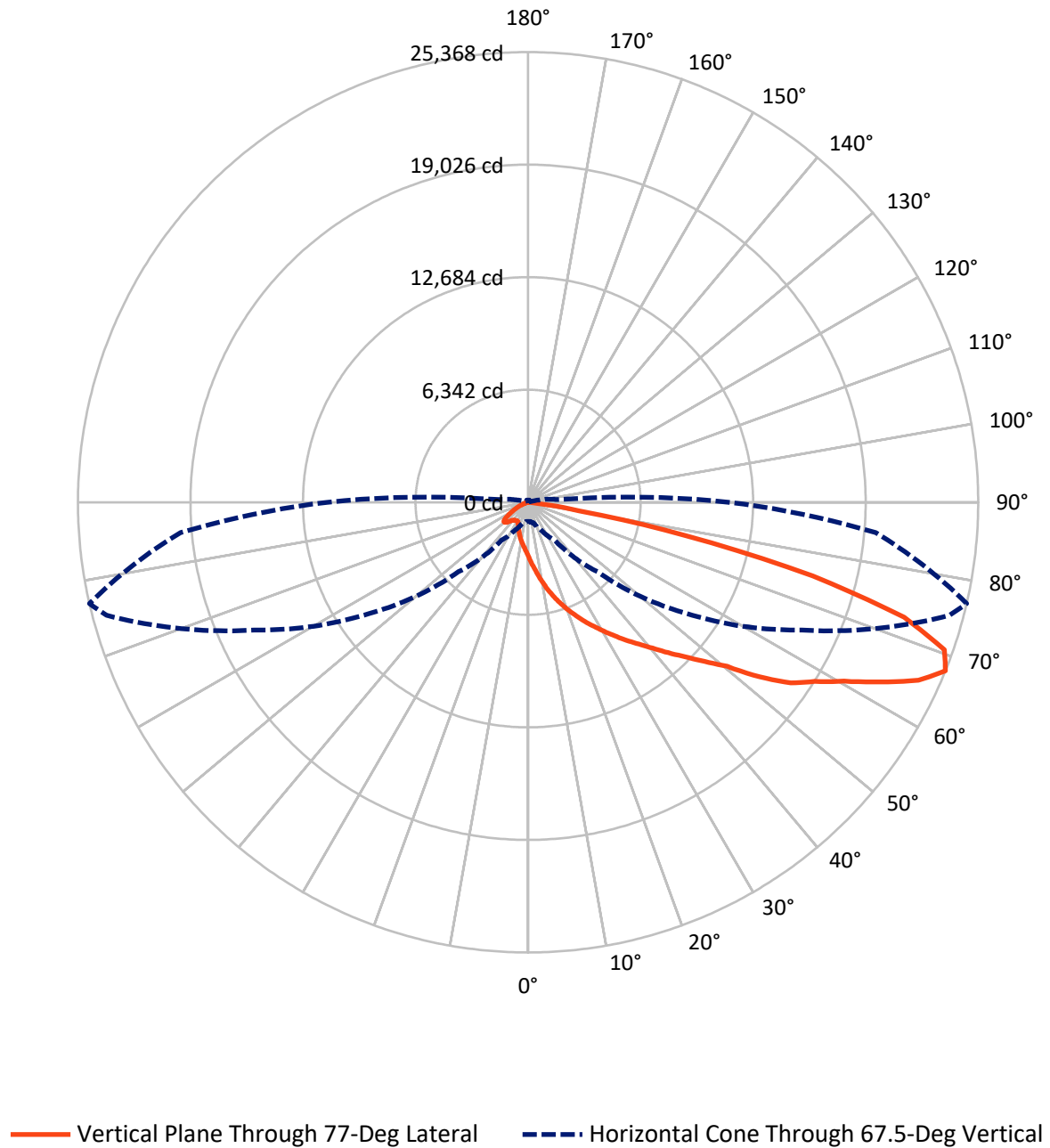
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.4 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1946.7	0.0	1946.7
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	24513.3	0.0	24513.3
	% Fixture	92.6	0.0	92.6
Total	Lumens	26460.0	0.0	26460.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	311.4	1.2
10°-20°	1090.6	4.1
20°-30°	2104.5	8.0
30°-40°	3653.6	13.8
40°-50°	5304.8	20.0
50°-60°	6091.9	23.0
60°-70°	5288.9	20.0
70°-80°	2491.1	9.4
80°-90°	123.2	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°	26460.0	100.0
0°-180°	26460.0	100.0

Coefficient of Utilization



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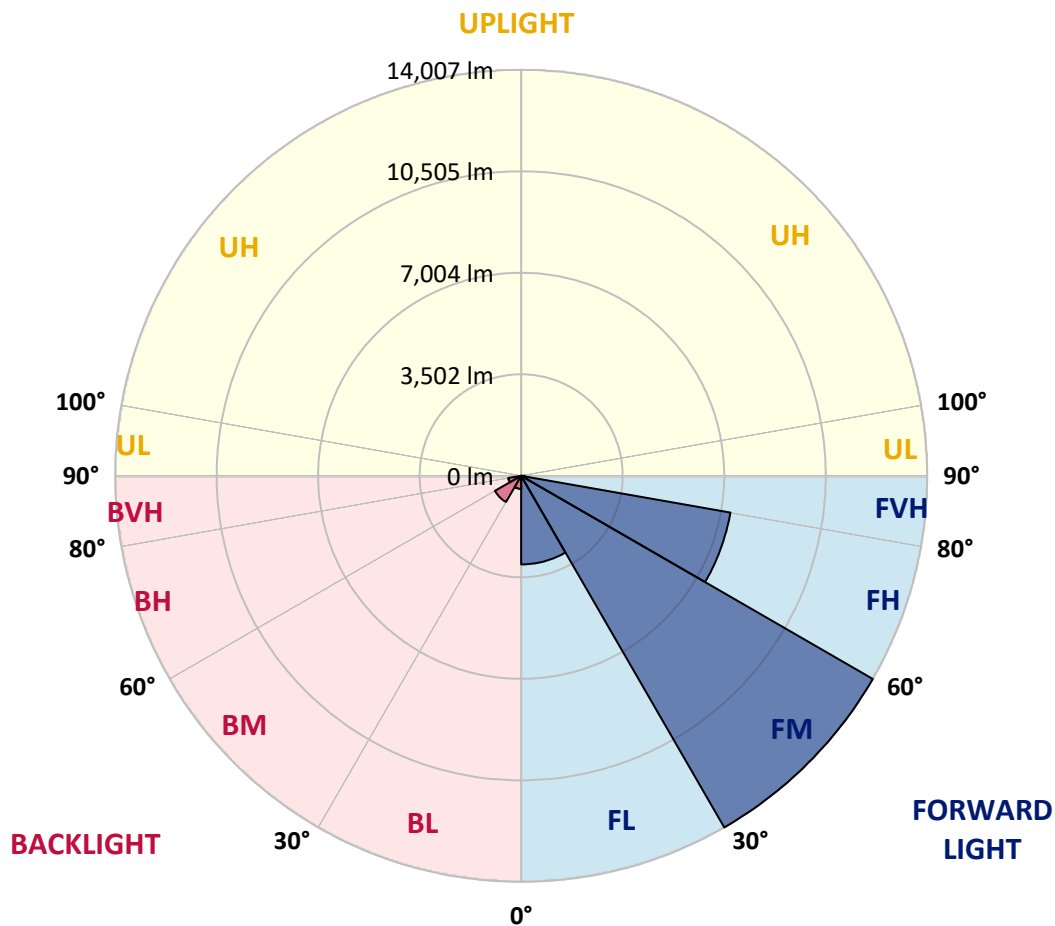
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3055.8	11.5			
FM	(30°-60°)	14007.2	52.9			
FH	(60°-80°)	7329.3	27.7			G3/7500
FVH	(80°-90°)	120.9	0.5			G2/225
BL	(0°-30°)	450.7	1.7	B1/500		
BM	(30°-60°)	1043.1	3.9	B2/2500		
BH	(60°-80°)	450.7	1.7	B1/500		G1/500
BVH	(80°-90°)	2.3	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	3051.2	3051.2	3051.2	3051.2	3051.2	3051.2	3051.2	3051.2	3051.2	3051.2
2.5°	4224.4	4250.7	4212.9	4140.6	4032.2	3961.5	3789.0	3626.3	3445.6	3388.1
5°	5149.5	5172.5	5129.7	5050.9	4906.3	4768.3	4541.5	4201.4	3848.1	3734.8
7.5°	5834.6	5847.8	5831.3	5759.0	5621.0	5464.9	5211.9	4809.3	4285.2	4160.3
10°	6327.6	6370.3	6365.3	6337.4	6245.4	6118.9	5849.4	5391.0	4774.8	4613.8
12.5°	6654.5	6702.2	6730.1	6792.6	6787.6	6707.1	6470.5	5985.8	5262.8	5073.9
15°	6749.8	6800.8	6907.6	7052.2	7180.3	7221.4	7055.4	6569.1	5800.1	5558.6
17.5°	6695.6	6774.5	6902.6	7131.0	7412.0	7597.7	7579.6	7132.7	6288.1	6012.1
20°	6815.6	6891.1	6991.4	7183.6	7510.6	7847.4	7982.2	7671.6	6772.8	6483.7
22.5°	7479.4	7466.2	7476.1	7507.3	7702.8	8036.4	8314.1	8161.3	7252.6	6956.9
25°	8530.9	8471.8	8371.6	8202.3	8153.0	8314.1	8603.2	8595.0	7758.7	7441.6
27.5°	9737.0	9727.1	9492.2	9084.7	8854.6	8792.2	8930.2	9017.3	8259.8	7921.4
30°	10892.1	10918.4	10601.2	10147.8	9725.5	9480.7	9355.8	9418.2	8769.2	8438.9
32.5°	11897.6	11925.6	11580.5	11049.8	10527.3	10231.6	9968.7	9814.2	9324.6	8964.7
35°	12747.1	12775.1	12379.1	11792.5	11235.5	10967.7	10670.3	10248.0	9883.2	9548.0
37.5°	13506.2	13498.0	12967.3	12375.8	11828.6	11616.7	11460.6	10782.0	10458.3	10134.6
40°	13954.8	13989.3	13535.8	12883.5	12352.8	12198.3	12188.5	11444.2	11122.1	10808.3
42.5°	14086.3	14147.0	13818.4	13282.8	12801.4	12633.8	12891.7	12160.5	11894.4	11588.7
45°	13849.6	13908.8	13759.3	13387.9	13107.0	12998.5	13496.4	12903.2	12719.2	12416.9
47.5°	13159.5	13233.5	13269.6	13190.8	13187.5	13297.6	14038.6	13685.3	13698.5	13389.6
50°	11823.7	11948.6	12280.5	12559.8	12992.0	13534.2	14566.0	14533.2	14802.6	14536.5
52.5°	9395.2	9572.7	10716.3	11480.3	12451.4	13489.8	15146.0	15893.7	16739.8	16350.4
55°	7550.0	7550.0	8480.0	9909.5	11396.5	13197.3	15399.1	16777.6	18059.3	17967.2
57.5°	6155.0	6229.0	6822.1	8085.7	9870.1	12500.7	15555.2	17333.0	19122.3	19055.0
60°	3798.8	3958.2	5078.8	6325.9	8133.3	11260.1	15456.6	17894.9	20412.2	20466.4
62.5°	2139.3	2198.5	2698.0	4551.4	6324.3	9592.4	14702.4	18208.8	22061.8	22291.9
65°	1477.1	1506.7	1699.0	2832.7	4383.8	7637.1	13228.6	18013.2	23714.8	24179.8
67.5°	1072.9	1087.7	1207.7	1730.2	2601.0	5537.2	10918.4	17027.4	24590.6	25367.7
70°	824.8	834.7	921.8	1137.0	1536.3	3417.6	7929.6	15067.2	23956.3	24884.7
72.5°	670.4	680.2	747.6	841.3	1018.7	2021.0	4806.1	12236.1	21156.5	22158.8
75°	565.2	578.4	639.2	700.0	798.5	1298.0	2254.3	8521.1	15910.1	16567.3
77.5°	313.8	289.2	519.2	580.0	673.7	821.5	1054.9	5014.7	8910.5	9092.9
80°	195.5	202.1	412.4	466.6	517.6	414.1	483.1	1930.6	3089.0	2934.6
82.5°	11.5	26.3	317.1	336.8	354.9	177.5	182.4	655.6	744.3	683.5
85°	0.0	0.0	144.6	116.7	123.2	50.9	52.6	152.8	100.2	108.4
87.5°	0.0	0.0	0.0	3.3	0.0	4.9	9.9	13.1	4.9	6.6
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°
3051.2	0°	3051.2	3051.2	3051.2	3051.2	3051.2	3051.2	3051.2	3051.2	3051.2	3051.2
3207.3	2.5°	3092.3	2977.3	2744.0	2515.6	2329.9	2157.4	2034.2	1917.5	1858.3	1855.1
3414.4	5°	3186.0	2944.4	2477.8	2065.4	1733.5	1467.3	1294.8	1171.5	1109.1	1087.7
3669.0	7.5°	3317.4	2954.3	2244.5	1671.0	1280.0	1051.6	953.0	913.6	900.4	885.6
3956.6	10°	3483.4	2977.3	2035.8	1345.7	1008.9	893.8	854.4	838.0	828.1	818.3
4280.3	12.5°	3669.0	2998.6	1828.8	1117.3	887.3	828.1	800.2	780.5	767.3	755.8
4612.2	15°	3849.8	3011.8	1613.5	957.9	824.8	777.2	747.6	726.2	708.2	695.0
4937.5	17.5°	4028.9	3029.9	1411.4	862.6	773.9	726.2	696.7	670.4	655.6	640.8
5279.3	20°	4227.7	3026.6	1220.8	795.3	723.0	675.3	644.1	619.4	604.7	588.2
5640.7	22.5°	4411.7	3010.1	1053.2	737.7	670.4	624.4	589.9	565.2	550.4	537.3
6010.4	25°	4623.7	2997.0	913.6	685.2	621.1	575.1	537.3	514.3	497.9	486.4
6381.8	27.5°	4827.4	2977.3	811.7	637.5	573.4	529.1	492.9	466.6	451.9	443.6
6764.6	30°	5027.9	2972.4	773.9	591.5	530.7	486.4	450.2	425.6	414.1	410.8
7185.3	32.5°	5269.4	2985.5	790.3	575.1	491.3	446.9	412.4	394.3	382.8	382.8
7653.5	35°	5527.4	2982.2	815.0	589.9	465.0	407.5	381.2	369.7	358.2	358.2
8172.8	37.5°	5851.1	2987.1	834.7	614.5	455.1	374.6	359.8	345.0	338.5	338.5
8741.3	40°	6334.1	3149.8	824.8	635.9	451.9	351.6	322.0	317.1	312.2	312.2
9383.7	42.5°	6925.6	3503.1	838.0	637.5	450.2	335.2	295.8	305.6	294.1	292.5
10108.3	45°	7573.0	3889.2	921.8	603.0	448.6	327.0	282.6	294.1	276.0	276.0
10947.9	47.5°	8215.5	4272.0	1007.2	553.7	443.6	325.3	271.1	264.5	259.6	261.3
12042.2	50°	9101.1	4584.2	1040.1	486.4	432.1	322.0	249.8	251.4	248.1	251.4
13585.1	52.5°	10065.6	4650.0	1000.6	410.8	399.3	312.2	235.0	241.5	239.9	243.2
14671.2	55°	10667.0	4579.3	826.5	341.8	348.3	272.8	220.2	233.3	233.3	233.3
15732.6	57.5°	11288.1	4278.6	586.6	277.7	289.2	223.5	207.0	225.1	223.5	221.8
17011.0	60°	11735.0	3792.3	386.1	228.4	230.0	184.0	192.2	212.0	210.3	202.1
18328.7	62.5°	12068.5	3255.0	248.1	193.9	175.8	166.0	175.8	192.2	185.7	167.6
19446.0	65°	12030.7	2510.6	190.6	166.0	144.6	144.6	152.8	167.6	147.9	118.3
19659.6	67.5°	11329.1	1699.0	157.7	139.7	121.6	119.9	126.5	139.7	126.5	100.2
18565.3	70°	10075.5	1110.7	126.5	108.4	96.9	88.7	101.9	119.9	106.8	80.5
15804.9	72.5°	8177.7	677.0	95.3	78.9	70.7	57.5	80.5	98.6	85.4	59.2
10990.7	75°	5290.8	345.0	65.7	50.9	37.8	34.5	59.2	73.9	59.2	36.1
4876.7	77.5°	2024.3	144.6	36.1	23.0	19.7	16.4	32.9	44.4	24.6	8.2
944.8	80°	389.4	60.8	18.1	11.5	9.9	6.6	4.9	3.3	0.0	0.0
167.6	82.5°	67.4	19.7	6.6	3.3	0.0	0.0	0.0	0.0	0.0	0.0
32.9	85°	23.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.5	87.5°	8.2	0.0	0.0	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°
3051.2
1851.8
1084.4
882.3
815.0
752.5
693.4
639.2
586.6
535.6
484.7
443.6
409.1
382.8
358.2
338.5
312.2
290.8
276.0
261.3
251.4
243.2
233.3
221.8
202.1
164.3
115.0
96.9
77.2
55.9
31.2
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