

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: P853174

Luminaire Tested: **GLAN-SB9B-730-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853174
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9B-730-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37512 lumens
Efficiency: N/A
Efficacy: 113.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

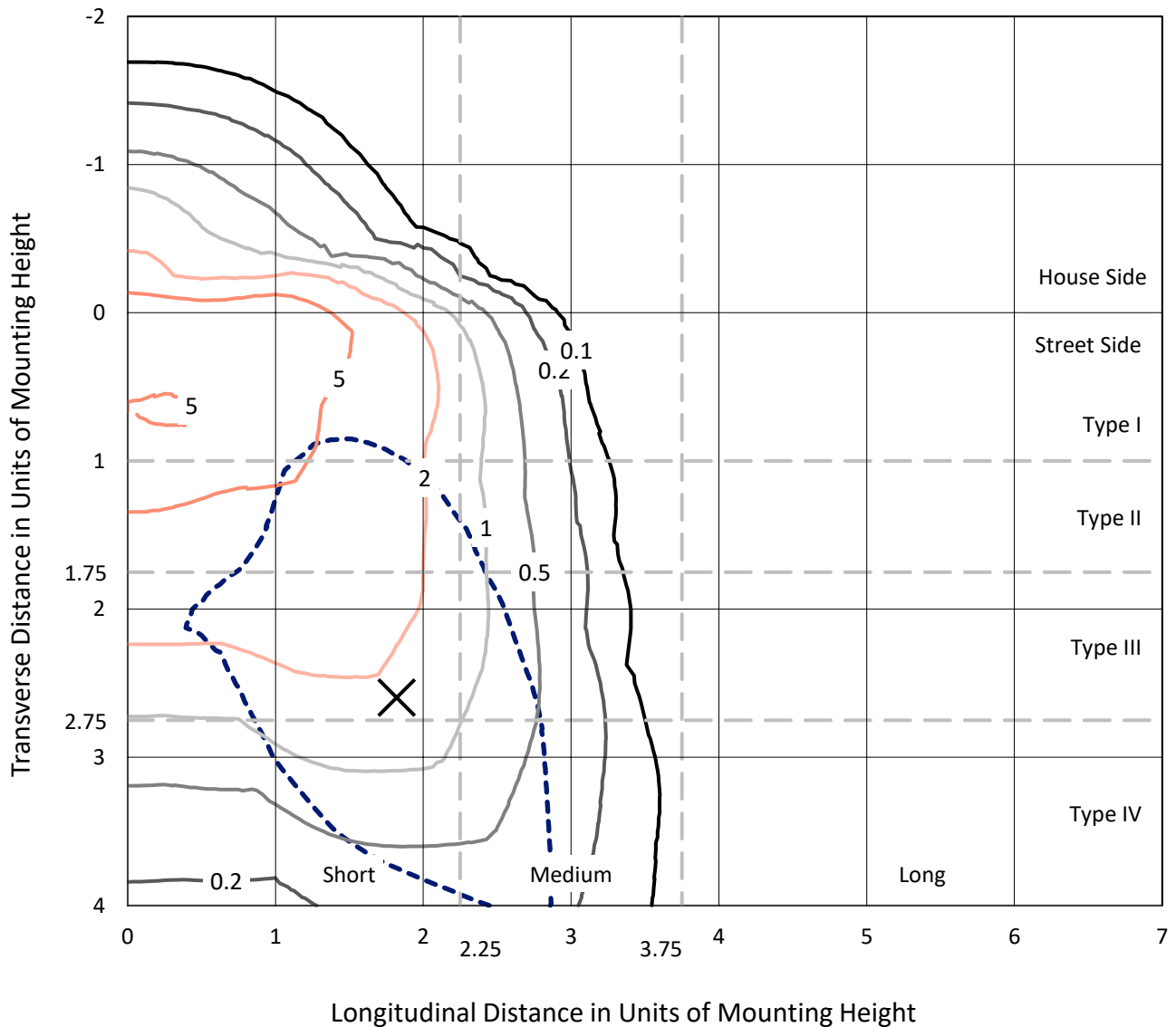
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

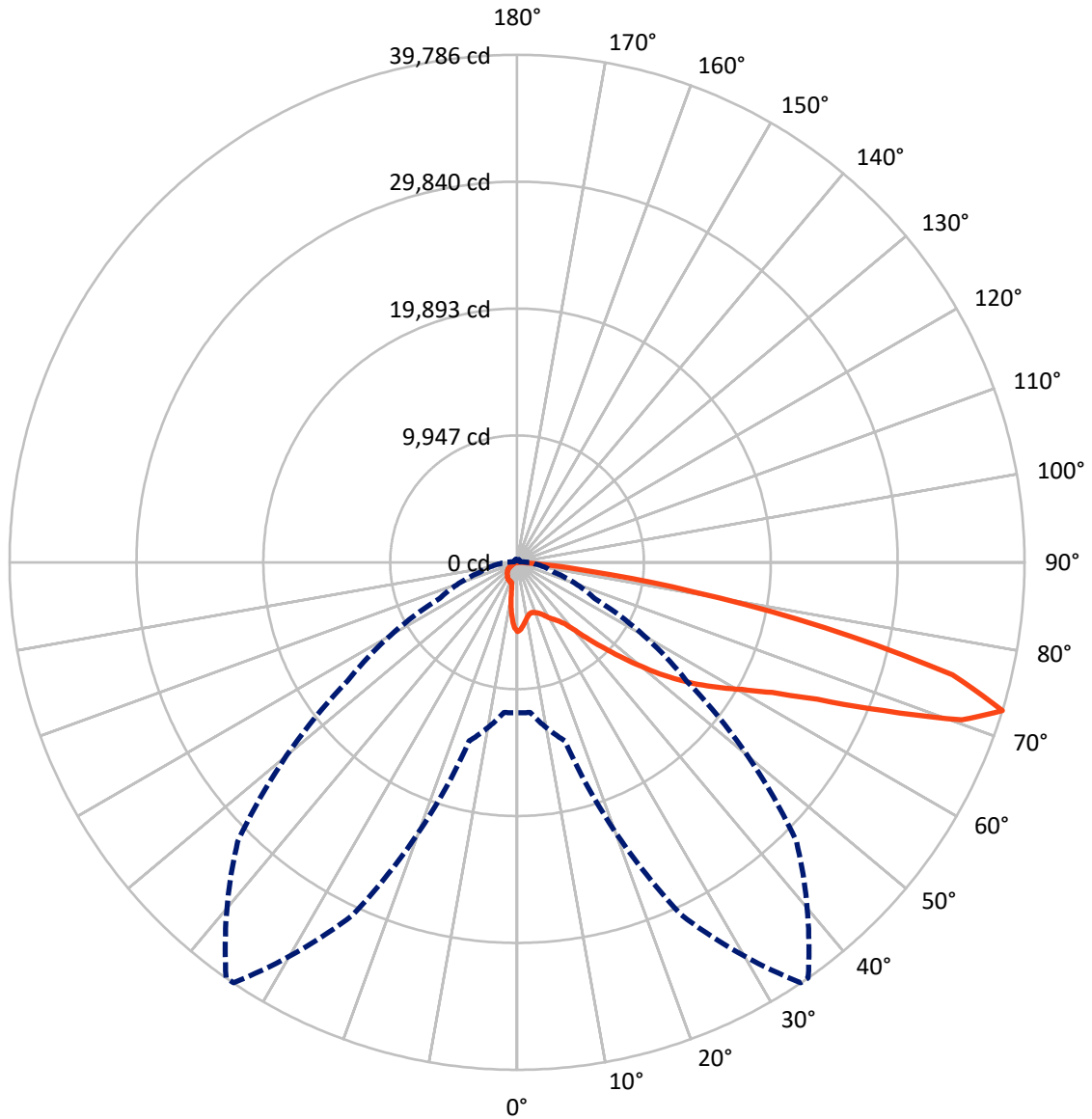
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4221.8	0.0	4221.8
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	33290.2	0.0	33290.2
	% Fixture	88.7	0.0	88.7
Total	Lumens	37512.0	0.0	37512.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	446.8	1.2
10°-20°	1045.1	2.8
20°-30°	1697.8	4.5
30°-40°	2832.7	7.6
40°-50°	5359.6	14.3
50°-60°	8516.4	22.7
60°-70°	10535.4	28.1
70°-80°	6548.9	17.5
80°-90°	529.3	1.4
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°	37512.0	100.0
0°-180°	37512.0	100.0

Coefficient of Utilization



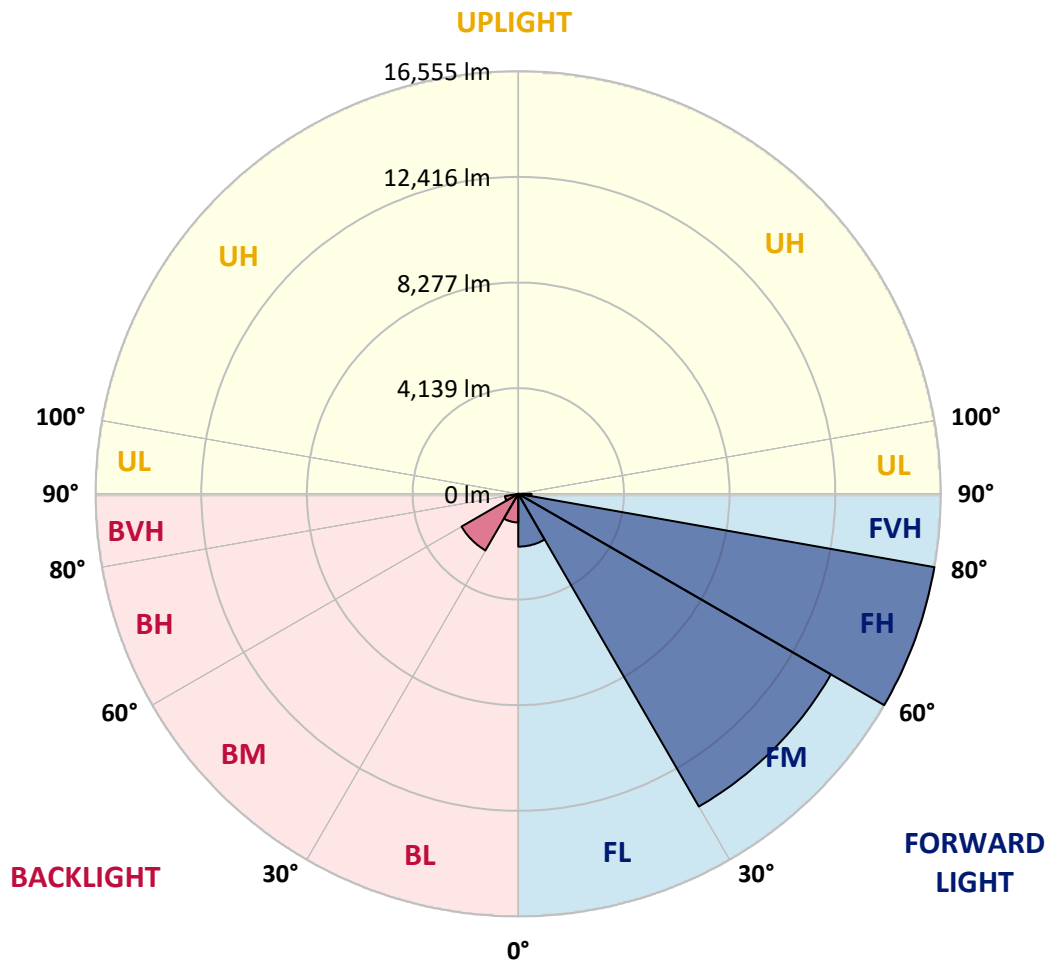
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2067.9	5.5			
FM (30°-60°)	14145.8	37.7			
FH (60°-80°)	16554.5	44.1			G5
FVH (80°-90°)	522.1	1.4			G4/750
BL (0°-30°)	1121.8	3.0	B3/2500		
BM (30°-60°)	2563.0	6.8	B3/5000		
BH (60°-80°)	529.8	1.4	B2/1000		G2/1000
BVH (80°-90°)	7.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	5436.7	5436.7	5436.7	5436.7	5436.7	5436.7	5436.7	5436.7	5436.7	5436.7
2.5°	5194.9	5238.8	5247.1	5260.8	5260.8	5277.3	5304.8	5343.3	5406.5	5439.5
5°	4788.1	4821.1	4862.3	4895.3	4958.5	4966.7	5073.9	5178.4	5324.1	5434.0
7.5°	4378.5	4417.0	4472.0	4551.7	4634.2	4658.9	4821.1	4997.0	5227.9	5434.0
10°	4089.9	4092.7	4142.2	4221.9	4353.8	4384.0	4581.9	4832.1	5120.7	5401.0
12.5°	3927.8	3947.0	3969.0	4029.5	4155.9	4175.1	4386.8	4680.9	5013.5	5381.8
15°	3927.8	3941.5	3955.2	3985.5	4087.2	4103.7	4290.6	4584.7	4958.5	5390.0
17.5°	3969.0	3991.0	3980.0	4015.7	4122.9	4133.9	4298.8	4557.2	4955.7	5442.2
20°	4067.9	4084.4	4062.4	4084.4	4191.6	4213.6	4384.0	4609.4	5002.5	5532.9
22.5°	4224.6	4232.9	4180.6	4197.1	4307.1	4334.6	4532.5	4757.8	5115.2	5678.6
25°	4422.5	4439.0	4359.3	4378.5	4483.0	4516.0	4744.1	4980.5	5293.8	5879.3
27.5°	4650.6	4658.9	4590.2	4587.4	4722.1	4768.8	4999.7	5255.3	5532.9	6132.1
30°	4911.8	4936.5	4870.5	4859.5	5030.0	5068.4	5296.6	5593.4	5884.8	6511.5
32.5°	5117.9	5137.1	5098.7	5126.2	5299.3	5329.6	5656.6	6071.7	6437.2	7050.2
35°	5414.8	5425.8	5337.8	5387.3	5585.2	5662.1	6148.6	6742.3	7132.6	7726.3
37.5°	6489.5	6489.5	6115.7	5871.0	6060.7	6129.4	6822.0	7586.2	7990.2	8633.4
40°	7976.5	7951.7	7404.7	6904.5	6879.8	7014.4	7781.3	8649.9	9097.9	9721.8
42.5°	9562.4	9523.9	8779.1	8284.3	8201.8	8248.6	8889.0	9961.0	10417.2	11049.4
45°	10969.7	10958.7	10277.0	9611.9	9463.5	9611.9	10271.5	11494.7	11821.8	12486.9
47.5°	12148.8	12148.8	11651.3	11217.1	11140.1	11228.1	12143.3	13196.1	13165.8	14017.9
50°	13506.7	13495.7	13022.9	12836.0	12915.7	13039.4	14298.3	14988.2	14556.6	15521.4
52.5°	14457.7	14523.6	14361.5	14331.2	14738.0	14952.4	16486.2	16741.8	15801.7	16947.9
55°	15210.8	15287.8	15474.7	15686.3	16469.7	16750.0	18605.3	18404.7	16843.5	18184.8
57.5°	16277.3	16167.3	16455.9	16873.7	18140.8	18478.9	20658.5	19974.1	17681.8	19188.0
60°	17571.9	17588.3	17637.8	18165.5	19809.2	20243.5	22681.5	21458.4	18220.5	19803.7
62.5°	19127.6	19152.3	19254.0	20064.8	22049.3	22458.9	24836.4	22673.3	18467.9	19630.6
65°	19020.4	19124.8	20260.0	23033.3	25454.9	25858.9	27351.4	23525.3	18094.1	18047.4
67.5°	17327.2	17497.6	19396.9	26579.0	30589.3	31040.0	30391.4	23693.0	16480.7	14034.4
70°	15106.3	15166.8	17450.9	29767.4	36534.5	36990.8	33112.5	21848.7	12506.2	7828.0
72.5°	11797.0	11810.8	14490.7	30506.8	39761.4	39786.1	30976.8	16219.5	6725.8	3007.0
75°	8427.2	8344.8	9705.3	24740.2	34981.5	35261.9	23223.0	7608.1	2569.9	1421.0
77.5°	4518.7	4609.4	5491.7	14672.1	24165.8	24644.0	12671.1	2193.4	1308.3	967.5
80°	1396.3	1473.3	2251.1	6717.6	13688.1	13976.7	4697.4	975.8	912.5	689.9
82.5°	439.8	456.3	1050.0	2822.8	5681.4	5813.3	1360.6	552.5	623.9	456.3
85°	126.4	129.2	467.3	1052.7	1404.5	1432.0	382.1	214.4	357.3	283.1
87.5°	13.7	44.0	175.9	175.9	123.7	120.9	41.2	46.7	101.7	35.7
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°
5436.7	0°	5436.7	5436.7	5436.7	5436.7	5436.7	5436.7	5436.7	5436.7	5436.7	5436.7
5461.5	2.5°	5447.7	5450.5	5414.8	5354.3	5288.3	5233.3	5164.6	5109.7	5071.2	5060.2
5511.0	5°	5486.2	5467.0	5365.3	5181.1	4961.2	4771.6	4559.9	4392.3	4282.3	4235.6
5563.2	7.5°	5543.9	5489.0	5266.3	4903.5	4483.0	4109.2	3729.9	3435.8	3248.9	3155.4
5612.7	10°	5593.4	5483.5	5101.4	4502.2	3859.0	3292.8	2781.6	2427.0	2229.1	2135.7
5670.4	12.5°	5640.1	5480.7	4887.0	4026.7	3155.4	2462.8	1987.2	1811.3	1756.4	1737.1
5763.8	15°	5728.1	5489.0	4617.7	3482.5	2454.5	1860.8	1687.6	1684.9	1695.9	1690.4
5906.8	17.5°	5849.0	5497.2	4312.6	2905.3	1893.8	1640.9	1632.7	1657.4	1673.9	1665.7
6085.4	20°	6005.7	5530.2	3988.2	2333.6	1627.2	1585.9	1605.2	1627.2	1640.9	1627.2
6324.5	22.5°	6225.6	5587.9	3633.7	1874.6	1542.0	1553.0	1569.5	1594.2	1607.9	1588.7
6629.6	25°	6495.0	5678.6	3284.6	1629.9	1500.7	1514.5	1539.2	1566.7	1583.2	1564.0
7014.4	27.5°	6844.0	5824.3	2963.0	1575.0	1459.5	1467.8	1503.5	1544.7	1566.7	1542.0
7561.4	30°	7349.8	6063.4	2685.4	1599.7	1434.8	1415.5	1465.0	1522.7	1547.5	1525.5
8306.3	32.5°	8020.4	6401.5	2515.0	1638.2	1423.8	1355.1	1401.8	1476.0	1517.2	1503.5
9279.3	35°	8900.0	6915.5	2449.0	1682.1	1415.5	1291.8	1324.8	1404.5	1476.0	1489.7
10505.2	37.5°	9966.5	7630.1	2468.2	1701.4	1390.8	1239.6	1256.1	1324.8	1418.3	1462.3
11885.0	40°	11178.6	8463.0	2578.2	1682.1	1363.3	1195.6	1198.4	1250.6	1333.1	1399.0
13369.2	42.5°	12429.2	9436.0	2781.6	1610.7	1338.6	1157.2	1148.9	1184.7	1239.6	1286.3
14850.7	45°	13619.4	10436.5	2982.2	1511.7	1308.3	1118.7	1099.4	1113.2	1124.2	1143.4
16293.7	47.5°	14658.3	11140.1	2924.5	1421.0	1267.1	1074.7	1041.7	1036.2	1003.2	1000.5
17582.8	50°	15375.7	11294.0	2597.4	1330.3	1206.6	1025.2	973.0	940.0	882.3	854.8
18547.6	52.5°	15603.8	10686.6	2121.9	1239.6	1107.7	959.3	885.1	832.8	761.4	736.6
19102.8	55°	15301.5	9496.4	1695.9	1129.7	970.3	871.3	788.9	720.1	662.4	632.2
19163.3	57.5°	14562.1	7982.0	1341.3	1000.5	824.6	772.4	689.9	621.2	571.7	541.5
18492.6	60°	13336.2	6338.3	1061.0	846.6	703.6	665.2	580.0	536.0	492.0	456.3
16761.0	62.5°	11475.4	4524.2	832.8	670.7	588.2	544.2	494.7	461.8	409.5	360.1
13646.8	65°	8955.0	2767.8	643.2	492.0	472.8	450.8	420.5	390.3	327.1	277.6
8902.7	67.5°	5648.4	1311.1	459.0	371.1	373.8	362.8	349.1	324.3	277.6	233.6
3988.2	70°	2487.5	634.9	302.3	283.1	277.6	277.6	288.6	280.4	236.4	195.2
1385.3	72.5°	846.6	340.8	225.4	214.4	200.6	197.9	241.9	233.6	189.7	151.2
689.9	75°	442.5	228.1	164.9	153.9	120.9	145.7	192.4	181.4	134.7	98.9
456.3	77.5°	288.6	162.2	112.7	98.9	68.7	96.2	142.9	126.4	79.7	49.5
299.6	80°	181.4	107.2	66.0	46.7	33.0	52.2	77.0	55.0	30.2	11.0
175.9	82.5°	96.2	55.0	24.7	16.5	13.7	16.5	19.2	13.7	5.5	0.0
90.7	85°	38.5	19.2	8.2	5.5	2.7	0.0	5.5	2.7	0.0	0.0
16.5	87.5°	13.7	2.7	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°
5436.7
5079.4
4252.1
3169.1
2138.4
1731.6
1687.6
1662.9
1624.4
1585.9
1561.2
1542.0
1522.7
1503.5
1489.7
1473.3
1421.0
1305.6
1154.4
997.7
857.6
733.9
632.2
536.0
448.0
351.8
269.4
228.1
186.9
142.9
90.7
44.0
8.2
0.0
0.0
0.0
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