

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: P850925

Luminaire Tested: **GLAN-SB8C-930-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850925
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-930-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 3000K, 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: 29834 lumens
Efficiency: N/A
Efficacy: 74.6 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

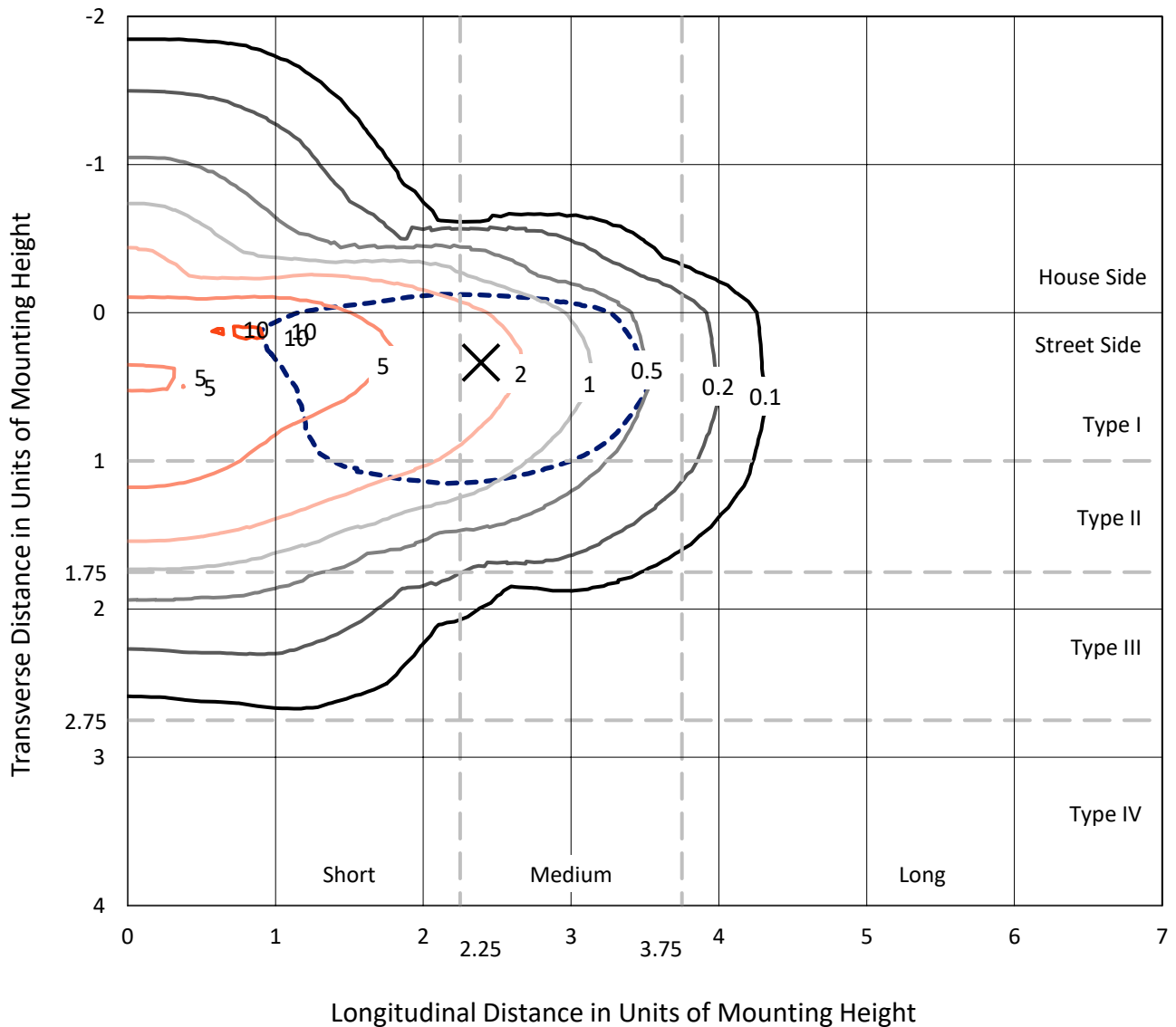
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

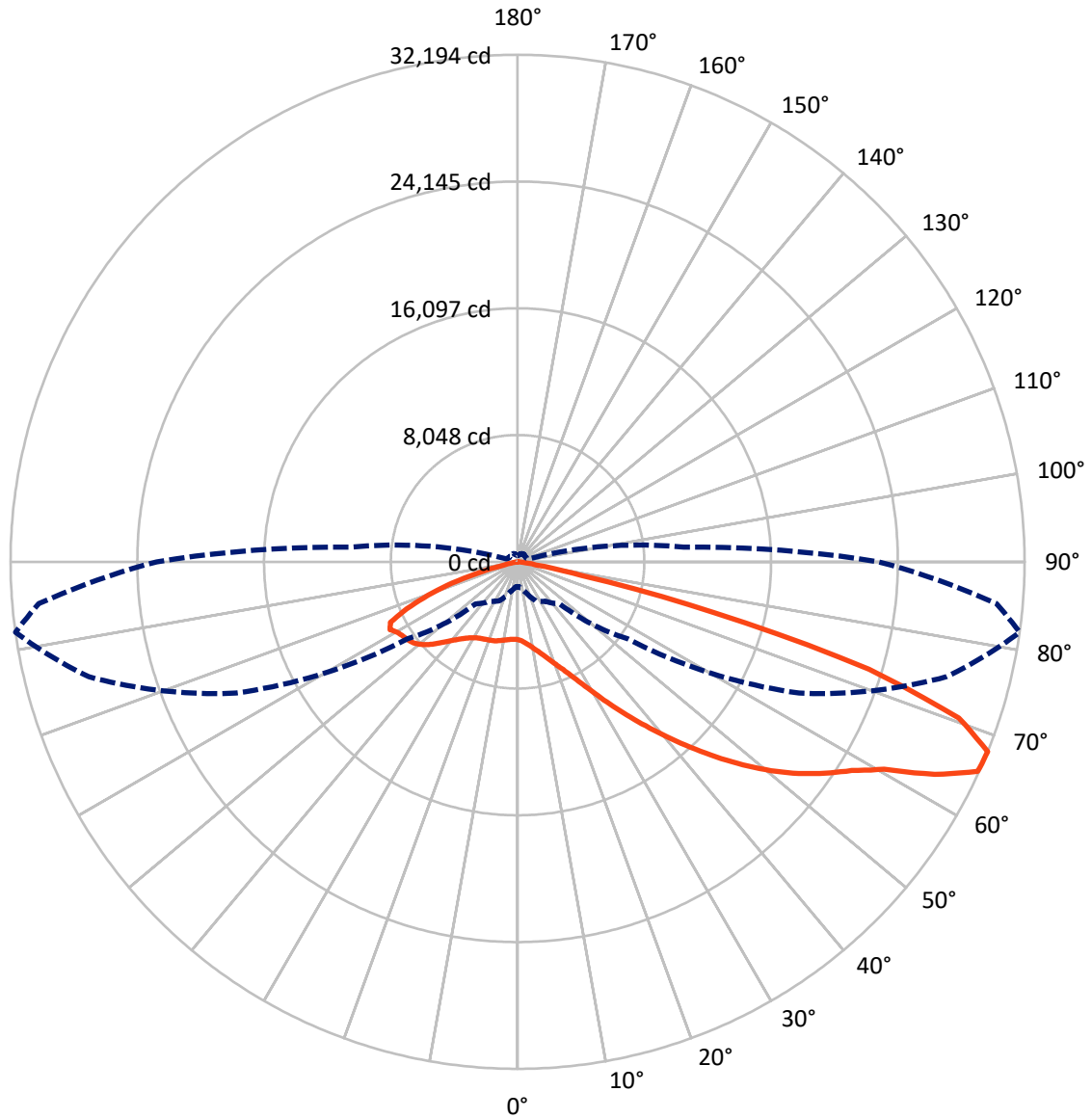
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.5 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	5404.2	0.0	5404.2
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	24429.8	0.0	24429.8
	% Fixture	81.9	0.0	81.9
Total	Lumens	29834.0	0.0	29834.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	440.3	1.5
10°-20°	1144.3	3.8
20°-30°	1832.7	6.1
30°-40°	3240.9	10.9
40°-50°	5678.3	19.0
50°-60°	7573.2	25.4
60°-70°	7050.3	23.6
70°-80°	2705.9	9.1
80°-90°	168.1	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°	29834.0	100.0
0°-180°	29834.0	100.0

Coefficient of Utilization

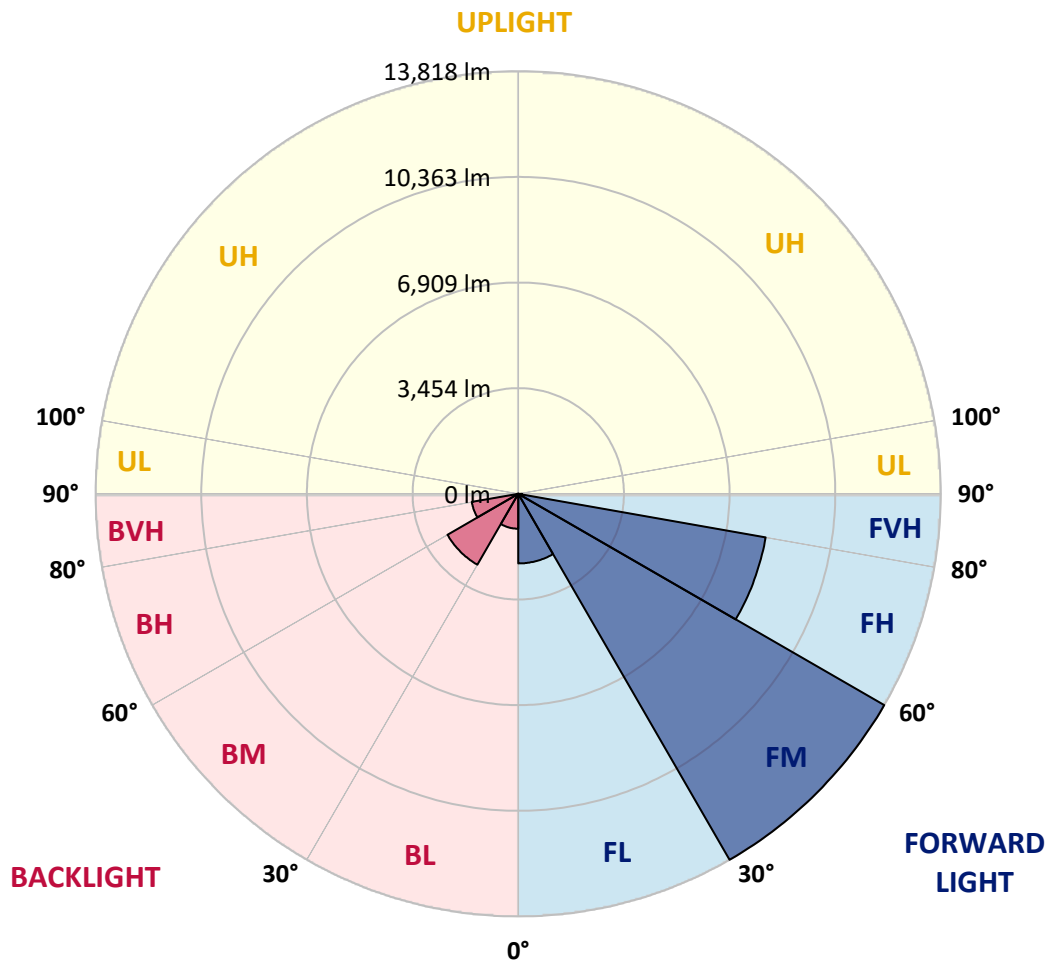


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2276.0	7.6			
FM (30°-60°)	13817.9	46.3			
FH (60°-80°)	8213.8	27.5			G4/12000
FVH (80°-90°)	122.2	0.4			G2/225
BL (0°-30°)	1141.3	3.8	B3/2500		
BM (30°-60°)	2674.5	9.0	B3/5000		
BH (60°-80°)	1542.4	5.2	B3/2500		G3/2500
BVH (80°-90°)	45.9	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°	4942.5	4942.5	4942.5	4942.5	4942.5	4942.5	4942.5	4942.5	4942.5	4942.5
2.5°	5223.9	5253.9	5236.8	5228.2	5213.1	5191.6	5174.5	5120.8	5064.9	5028.4
5°	5329.1	5359.2	5357.0	5365.6	5376.4	5382.8	5378.5	5318.4	5238.9	5176.6
7.5°	5238.9	5273.3	5301.2	5344.2	5419.3	5498.8	5537.5	5524.6	5443.0	5357.0
10°	4983.3	5019.8	5086.4	5187.4	5346.3	5518.1	5662.1	5728.6	5677.1	5582.6
12.5°	4515.0	4551.6	4682.6	4901.7	5168.0	5466.6	5741.5	5919.8	5932.7	5838.2
15°	3988.8	4025.3	4164.9	4439.9	4845.8	5324.8	5784.5	6121.7	6235.6	6153.9
17.5°	3662.3	3694.5	3799.8	4021.0	4444.2	5041.3	5769.5	6336.5	6596.4	6532.0
20°	3563.5	3591.4	3640.8	3795.5	4147.7	4747.0	5670.6	6538.4	6985.2	6948.7
22.5°	3668.7	3694.5	3709.5	3778.3	3999.5	4553.7	5546.1	6744.6	7436.3	7440.6
25°	3911.5	3937.2	3920.0	3963.0	4059.7	4493.6	5498.8	6987.4	8003.3	8050.6
27.5°	4311.0	4313.1	4272.3	4270.2	4285.2	4583.8	5548.2	7247.3	8718.6	8806.7
30°	5112.2	5080.0	4923.2	4753.5	4676.1	4854.4	5685.7	7554.4	9562.8	9719.6
32.5°	6347.3	6300.0	6012.2	5606.2	5198.1	5290.5	5932.7	7904.5	10482.1	10765.6
35°	7687.6	7674.7	7374.0	6770.4	6057.3	5911.2	6334.4	8364.2	11485.2	11936.3
37.5°	8933.4	8927.0	8755.1	8044.2	7176.4	6776.9	6978.8	8965.6	12559.2	13212.2
40°	10071.8	10091.2	9919.3	9283.5	8409.3	7887.4	7855.1	9708.8	13753.5	14601.9
42.5°	11055.6	11077.1	10903.1	10432.7	9627.2	9116.0	8931.3	10619.6	14919.8	16094.8
45°	11723.6	11856.8	11831.0	11455.1	10877.3	10346.8	10224.3	11762.3	16249.4	17677.8
47.5°	11912.7	12035.1	12228.4	12280.0	11927.7	11405.7	11551.8	13139.1	17594.0	19263.0
50°	11446.5	11560.4	11962.1	12496.9	12741.8	12580.7	12842.7	14614.8	18970.9	20843.9
52.5°	10527.2	10643.2	11150.1	11996.4	12995.2	13502.2	14138.0	16069.0	20304.8	22341.1
55°	9197.6	9320.1	9970.9	10928.9	12511.9	13882.3	15218.4	17521.0	21527.0	23687.8
57.5°	7389.0	7479.2	8155.9	9496.2	11296.2	13504.3	16015.3	19106.2	22678.3	25011.0
60°	4815.8	4895.2	5681.4	7176.4	9281.4	12241.3	16174.2	20874.0	24207.6	26731.5
62.5°	3202.6	3256.3	3722.4	4820.0	6536.3	9816.2	15244.2	22285.2	26450.1	29725.8
65°	2197.4	2251.1	2717.2	3481.9	4222.9	6493.3	12569.9	22098.3	28482.1	32103.6
67.5°	1568.0	1613.1	2008.4	2730.1	3056.6	3771.8	8521.0	19709.8	28190.0	32193.8
70°	1123.4	1149.2	1475.7	2126.5	2429.4	2266.1	4738.4	15074.5	24682.3	29727.9
72.5°	786.2	794.7	1024.6	1619.6	1956.8	1653.9	2255.4	10050.4	18668.0	23333.4
75°	532.7	543.4	689.5	1187.8	1570.2	1263.0	1194.3	5389.3	10959.0	12915.8
77.5°	326.5	330.8	444.6	811.9	1174.9	962.3	769.0	2283.3	4240.1	4162.8
80°	184.7	184.7	283.5	504.8	801.2	620.8	539.1	970.9	1342.5	1179.2
82.5°	103.1	105.3	206.2	313.6	530.5	367.3	296.4	448.9	580.0	513.4
85°	43.0	47.3	126.7	148.2	253.5	182.6	120.3	189.0	214.8	191.2
87.5°	4.3	6.4	38.7	27.9	30.1	36.5	17.2	36.5	30.1	30.1
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°
4942.5	0°	4942.5	4942.5	4942.5	4942.5	4942.5	4942.5	4942.5	4942.5	4942.5	4942.5
5015.5	2.5°	4974.7	4942.5	4860.9	4766.4	4641.8	4581.6	4500.0	4444.2	4396.9	4401.2
5140.1	5°	5071.4	4989.7	4807.2	4579.5	4295.9	4094.0	3879.2	3731.0	3610.7	3585.0
5311.9	7.5°	5204.5	5075.7	4755.6	4345.3	3866.4	3503.3	3179.0	2970.6	2822.4	2775.2
5520.3	10°	5376.4	5189.5	4689.0	4051.1	3361.6	2899.8	2551.8	2388.5	2287.6	2253.2
5765.2	12.5°	5576.1	5320.5	4601.0	3692.4	2841.8	2397.1	2175.9	2094.3	2062.1	2051.3
6065.9	15°	5827.4	5483.8	4467.8	3267.1	2401.4	2090.0	1995.5	1984.7	1989.0	1984.7
6426.7	17.5°	6126.0	5662.1	4250.8	2828.9	2105.0	1933.2	1898.8	1907.4	1918.1	1916.0
6830.6	20°	6452.5	5838.2	3973.7	2440.1	1903.1	1821.5	1802.1	1810.7	1819.3	1815.0
7296.7	22.5°	6824.1	6027.2	3666.6	2137.2	1767.8	1718.4	1696.9	1699.0	1699.0	1690.5
7887.4	25°	7268.7	6235.6	3344.4	1922.4	1664.7	1626.0	1600.2	1591.6	1578.8	1553.0
8604.8	27.5°	7799.3	6456.8	3035.1	1772.1	1583.1	1546.5	1516.5	1495.0	1462.8	1419.8
9466.1	30°	8396.4	6725.3	2773.0	1677.6	1518.6	1482.1	1447.7	1415.5	1368.3	1314.6
10456.3	32.5°	9098.8	7013.1	2581.9	1615.3	1460.6	1422.0	1381.1	1342.5	1290.9	1237.2
11569.0	35°	9936.5	7361.1	2470.2	1572.3	1415.5	1364.0	1318.9	1275.9	1237.2	1190.0
12778.3	37.5°	10845.1	7730.6	2435.8	1550.8	1385.4	1306.0	1254.4	1224.3	1220.0	1192.1
14086.4	40°	11839.6	8168.7	2461.6	1537.9	1353.2	1250.1	1194.3	1187.8	1198.6	1149.2
15484.7	42.5°	12892.1	8688.5	2504.5	1522.9	1308.1	1194.3	1140.6	1140.6	1132.0	1063.2
16962.5	45°	14030.6	9287.8	2547.5	1486.4	1254.4	1138.4	1097.6	1082.6	1046.1	979.5
18448.9	47.5°	15177.6	9897.9	2579.7	1419.8	1190.0	1091.2	1054.7	1020.3	966.6	906.4
19907.4	50°	16266.6	10445.6	2545.3	1321.0	1116.9	1046.1	1007.4	960.1	902.1	861.3
21288.6	52.5°	17239.6	10920.3	2399.3	1205.0	1039.6	998.8	964.4	915.0	867.8	824.8
22534.4	55°	18085.9	11304.8	2141.5	1095.5	970.9	958.0	923.6	861.3	796.9	760.4
23769.5	57.5°	18897.9	11596.9	1819.3	1005.3	908.6	912.9	861.3	805.5	745.3	706.7
25434.1	60°	19978.3	11987.8	1492.8	921.5	842.0	854.9	799.0	758.2	683.1	633.7
28288.8	62.5°	21705.3	12595.7	1185.7	818.4	764.7	769.0	745.3	695.9	605.7	547.7
30404.5	65°	23075.7	12372.3	934.4	706.7	676.6	683.1	683.1	629.4	532.7	466.1
30518.4	67.5°	22921.0	10593.8	745.3	597.1	592.8	597.1	612.2	567.1	472.6	418.9
28194.3	70°	21114.6	8426.5	597.1	496.2	515.5	504.8	547.7	517.7	425.3	371.6
21857.8	72.5°	17228.9	6070.2	455.4	410.3	395.2	412.4	494.0	466.1	354.4	294.3
11577.6	75°	10067.5	3239.1	339.4	324.3	285.7	343.7	438.2	397.4	270.6	216.9
3548.5	77.5°	3277.8	1129.8	249.2	238.4	212.6	277.1	373.7	335.1	221.2	171.8
1039.6	80°	878.5	341.5	169.7	156.8	137.5	206.2	296.4	266.3	158.9	111.7
446.8	82.5°	352.3	143.9	98.8	88.1	75.2	141.8	234.1	214.8	118.1	70.9
139.6	85°	113.8	47.3	36.5	27.9	34.4	88.1	139.6	146.1	83.8	36.5
21.5	87.5°	15.0	6.4	6.4	8.6	6.4	15.0	43.0	40.8	23.6	4.3
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°
4942.5
4358.2
3527.0
2727.9
2227.4
2044.9
1982.6
1911.7
1812.9
1686.2
1548.7
1415.5
1310.3
1239.4
1185.7
1190.0
1151.3
1063.2
977.3
904.3
854.9
820.5
756.1
702.4
627.2
543.4
459.7
410.3
365.2
287.8
210.5
165.4
109.5
70.9
27.9
0.0
0.0

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