

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: P853128

Luminaire Tested: **GLAN-SB8D-930-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853128
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-SB8D-930-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 3000K, 900mA 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: 42032 lumens
Efficiency: N/A
Efficacy: 71.9 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

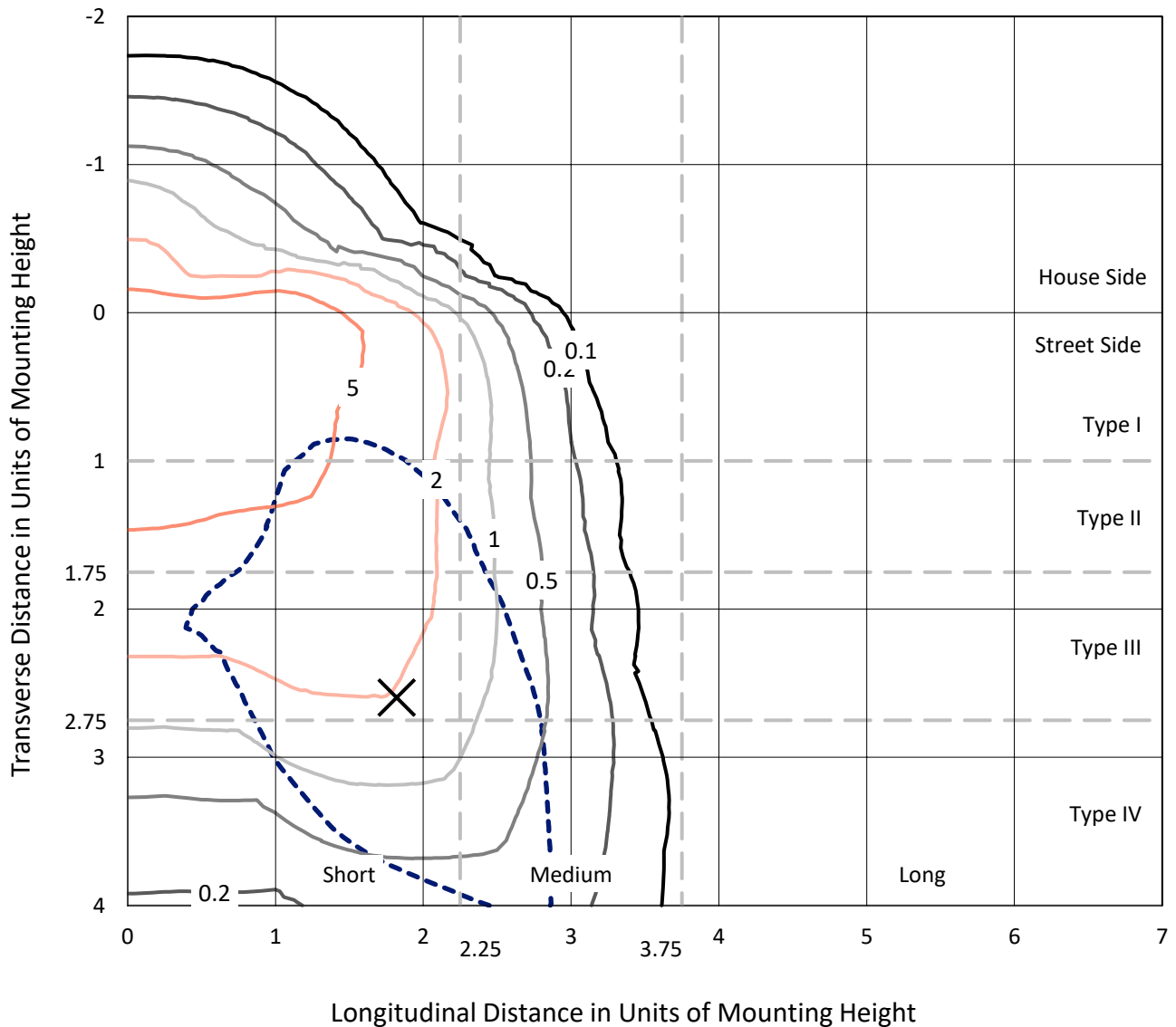
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P853128
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Iso-Footcandle Lines of Horizontal Illumination

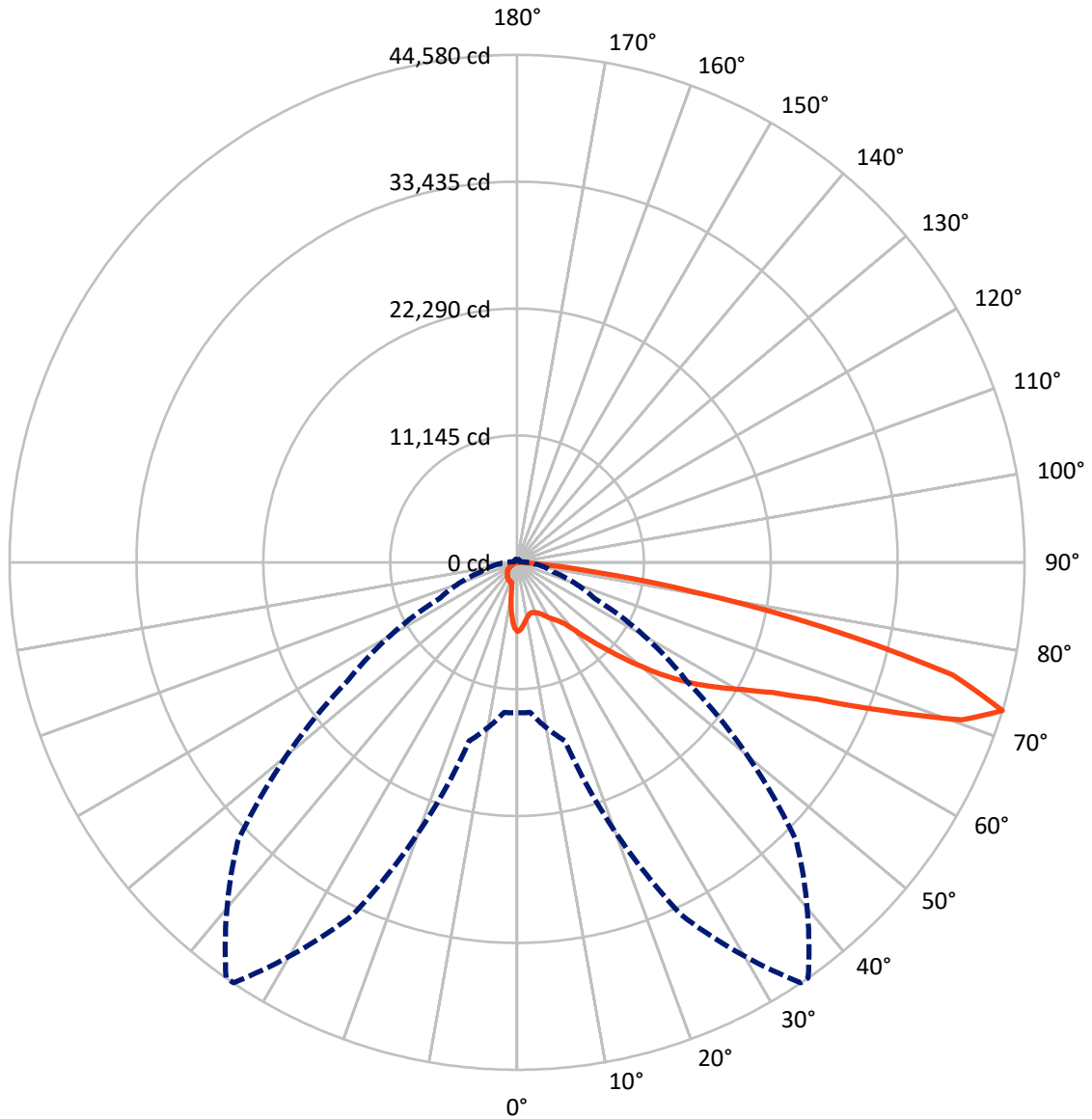
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.7 fc
 Type IV - Short - N/A

REPORT NUMBER: P853128
CATALOG NUMBER: GLAN-SB8D-930-U-T4FT-HSS

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	4730.5	0.0	4730.5
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	37301.5	0.0	37301.5
	% Fixture	88.7	0.0	88.7
Total	Lumens	42032.0	0.0	42032.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	500.6	1.2
10°-20°	1171.1	2.8
20°-30°	1902.4	4.5
30°-40°	3174.1	7.6
40°-50°	6005.4	14.3
50°-60°	9542.6	22.7
60°-70°	11804.9	28.1
70°-80°	7338.0	17.5
80°-90°	593.0	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°	42032.0	100.0
0°-180°	42032.0	100.0

Coefficient of Utilization



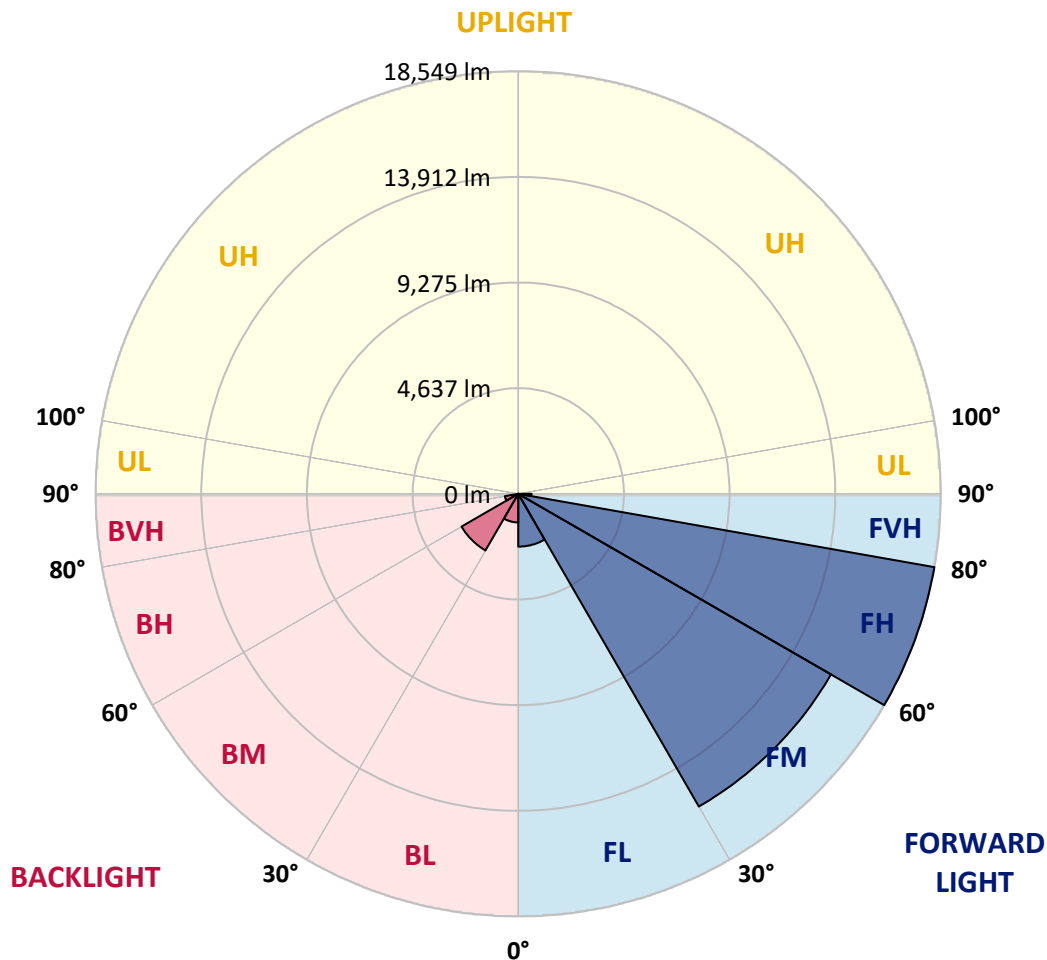
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2317.0	5.5			
FM (30°-60°)	15850.3	37.7			
FH (60°-80°)	18549.2	44.1			G5
FVH (80°-90°)	585.0	1.4			G4/750
BL (0°-30°)	1257.0	3.0	B3/2500		
BM (30°-60°)	2871.8	6.8	B3/5000		
BH (60°-80°)	593.6	1.4	B2/1000		G2/1000
BVH (80°-90°)	8.1	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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 CATALOG NUMBER: GLAN-SB8D-930-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	6091.8	6091.8	6091.8	6091.8	6091.8	6091.8	6091.8	6091.8	6091.8	6091.8
2.5°	5820.8	5870.1	5879.3	5894.7	5894.7	5913.2	5944.0	5987.1	6058.0	6094.9
5°	5365.0	5402.0	5448.2	5485.1	5556.0	5565.2	5685.3	5802.3	5965.6	6088.8
7.5°	4906.1	4949.2	5010.8	5100.2	5192.5	5220.3	5402.0	5599.1	5857.8	6088.8
10°	4582.7	4585.8	4641.3	4730.6	4878.4	4912.3	5134.0	5414.3	5737.7	6051.8
12.5°	4401.0	4422.6	4447.2	4515.0	4656.7	4678.2	4915.4	5244.9	5617.6	6030.3
15°	4401.0	4416.4	4431.8	4465.7	4579.7	4598.1	4807.6	5137.1	5556.0	6039.5
17.5°	4447.2	4471.9	4459.6	4499.6	4619.7	4632.0	4816.8	5106.3	5552.9	6098.0
20°	4558.1	4576.6	4551.9	4576.6	4696.7	4721.3	4912.3	5164.8	5605.2	6199.6
22.5°	4733.7	4742.9	4684.4	4702.9	4826.0	4856.8	5078.6	5331.1	5731.5	6362.9
25°	4955.4	4973.9	4884.6	4906.1	5023.2	5060.1	5315.7	5580.6	5931.7	6587.7
27.5°	5211.0	5220.3	5143.3	5140.2	5291.1	5343.5	5602.2	5888.6	6199.6	6871.0
30°	5503.6	5531.3	5457.4	5445.1	5636.0	5679.2	5934.8	6267.4	6593.9	7296.0
32.5°	5734.6	5756.1	5713.0	5743.8	5937.9	5971.7	6338.2	6803.3	7212.9	7899.7
35°	6067.2	6079.5	5981.0	6036.4	6258.2	6344.4	6889.5	7554.8	7992.1	8657.3
37.5°	7271.4	7271.4	6852.6	6578.5	6791.0	6868.0	7644.1	8500.3	8953.0	9673.7
40°	8937.6	8909.9	8297.0	7736.5	7708.7	7859.7	8718.9	9692.1	10194.1	10893.3
42.5°	10714.6	10671.5	9836.9	9282.5	9190.1	9242.5	9960.1	11161.2	11672.4	12380.8
45°	12291.5	12279.2	11515.4	10770.1	10603.8	10770.1	11509.2	12879.7	13246.2	13991.5
47.5°	13612.7	13612.7	13055.3	12568.7	12482.4	12581.0	13606.6	14786.1	14752.2	15707.0
50°	15134.1	15121.8	14592.1	14382.7	14472.0	14610.6	16021.1	16794.2	16310.6	17391.6
52.5°	16199.8	16273.7	16092.0	16058.1	16513.9	16754.1	18472.6	18759.1	17705.8	18990.1
55°	17043.6	17129.9	17339.3	17576.4	18454.2	18768.3	20847.2	20622.3	18873.0	20376.0
57.5°	18238.6	18115.4	18438.8	18906.9	20326.7	20705.5	23147.8	22380.9	19812.4	21500.1
60°	19689.2	19707.6	19763.1	20354.4	22196.1	22682.7	25414.5	24044.0	20416.0	22190.0
62.5°	21432.3	21460.1	21574.0	22482.5	24706.2	25165.1	27829.1	25405.3	20693.2	21995.9
65°	21312.2	21429.3	22701.2	25808.7	28522.0	28974.8	30647.1	26360.0	20274.3	20222.0
67.5°	19415.1	19606.0	21734.2	29781.7	34275.1	34780.2	34053.4	26547.9	18466.5	15725.5
70°	16926.6	16994.3	19553.7	33354.2	40936.7	41448.0	37102.4	24481.3	14013.1	8771.3
72.5°	13218.5	13233.9	16236.7	34182.7	44552.4	44580.1	34709.4	18173.9	7536.3	3369.3
75°	9442.7	9350.3	10874.8	27721.3	39196.6	39510.8	26021.2	8524.9	2879.6	1592.3
77.5°	5063.2	5164.8	6153.4	16440.0	27077.6	27613.5	14197.9	2457.7	1466.0	1084.1
80°	1564.5	1650.8	2522.4	7527.0	15337.4	15660.8	5263.4	1093.3	1022.5	773.0
82.5°	492.8	511.2	1176.5	3163.0	6365.9	6513.8	1524.5	619.0	699.1	511.2
85°	141.7	144.8	523.6	1179.6	1573.8	1604.6	428.1	240.2	400.4	317.2
87.5°	15.4	49.3	197.1	197.1	138.6	135.5	46.2	52.4	114.0	40.0
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°
6091.8	0°	6091.8	6091.8	6091.8	6091.8	6091.8	6091.8	6091.8	6091.8	6091.8	6091.8
6119.6	2.5°	6104.2	6107.2	6067.2	5999.5	5925.5	5863.9	5786.9	5725.3	5682.2	5669.9
6175.0	5°	6147.3	6125.7	6011.8	5805.4	5559.0	5346.5	5109.4	4921.5	4798.3	4746.0
6233.5	7.5°	6212.0	6150.4	5900.9	5494.4	5023.2	4604.3	4179.3	3849.8	3640.3	3535.6
6289.0	10°	6267.4	6144.2	5716.1	5044.7	4324.0	3689.6	3116.8	2719.5	2497.7	2393.0
6353.6	12.5°	6319.8	6141.1	5475.9	4511.9	3535.6	2759.5	2226.7	2029.6	1968.0	1946.4
6458.3	15°	6418.3	6150.4	5174.1	3902.1	2750.3	2085.0	1891.0	1887.9	1900.2	1894.1
6618.5	17.5°	6553.8	6159.6	4832.2	3255.3	2122.0	1838.6	1829.4	1857.1	1875.6	1866.4
6818.7	20°	6729.4	6196.6	4468.8	2614.8	1823.2	1777.0	1798.6	1823.2	1838.6	1823.2
7086.6	22.5°	6975.7	6261.2	4071.5	2100.4	1727.8	1740.1	1758.6	1786.3	1801.7	1780.1
7428.5	25°	7277.6	6362.9	3680.4	1826.3	1681.6	1697.0	1724.7	1755.5	1774.0	1752.4
7859.7	27.5°	7668.7	6526.1	3320.0	1764.7	1635.4	1644.6	1684.7	1730.8	1755.5	1727.8
8472.5	30°	8235.4	6794.0	3009.0	1792.4	1607.7	1586.1	1641.5	1706.2	1733.9	1709.3
9307.2	32.5°	8986.9	7172.9	2818.0	1835.6	1595.3	1518.3	1570.7	1653.9	1700.1	1684.7
10397.4	35°	9972.4	7748.8	2744.1	1884.8	1586.1	1447.5	1484.5	1573.8	1653.9	1669.3
11771.0	37.5°	11167.4	8549.5	2765.7	1906.4	1558.4	1389.0	1407.5	1484.5	1589.2	1638.5
13317.1	40°	12525.5	9482.7	2888.9	1884.8	1527.6	1339.7	1342.8	1401.3	1493.7	1567.6
14980.2	42.5°	13926.9	10573.0	3116.8	1804.8	1499.9	1296.6	1287.4	1327.4	1389.0	1441.3
16640.2	45°	15260.4	11694.0	3341.6	1693.9	1466.0	1253.5	1231.9	1247.3	1259.6	1281.2
18257.1	47.5°	16424.6	12482.4	3276.9	1592.3	1419.8	1204.2	1167.2	1161.1	1124.1	1121.0
19701.5	50°	17228.4	12654.9	2910.4	1490.6	1352.0	1148.8	1090.2	1053.3	988.6	957.8
20782.5	52.5°	17484.0	11974.3	2377.6	1389.0	1241.2	1074.9	991.7	933.2	853.1	825.4
21404.6	55°	17145.3	10640.7	1900.2	1265.8	1087.2	976.3	883.9	806.9	742.2	708.4
21472.4	57.5°	16316.8	8943.7	1502.9	1121.0	923.9	865.4	773.0	696.0	640.6	606.7
20720.9	60°	14943.2	7102.0	1188.8	948.6	788.4	745.3	649.8	600.6	551.3	511.2
18780.6	62.5°	12858.2	5069.4	933.2	751.5	659.1	609.8	554.4	517.4	458.9	403.5
15291.2	65°	10034.0	3101.4	720.7	551.3	529.7	505.1	471.2	437.3	366.5	311.1
9975.5	67.5°	6329.0	1469.1	514.3	415.8	418.9	406.5	391.1	363.4	311.1	261.8
4468.8	70°	2787.2	711.4	338.8	317.2	311.1	311.1	323.4	314.1	264.9	218.7
1552.2	72.5°	948.6	381.9	252.5	240.2	224.8	221.7	271.0	261.8	212.5	169.4
773.0	75°	495.8	255.6	184.8	172.5	135.5	163.2	215.6	203.3	150.9	110.9
511.2	77.5°	323.4	181.7	126.3	110.9	77.0	107.8	160.1	141.7	89.3	55.4
335.7	80°	203.3	120.1	73.9	52.4	37.0	58.5	86.2	61.6	33.9	12.3
197.1	82.5°	107.8	61.6	27.7	18.5	15.4	18.5	21.6	15.4	6.2	0.0
101.6	85°	43.1	21.6	9.2	6.2	3.1	0.0	6.2	3.1	0.0	0.0
18.5	87.5°	15.4	3.1	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°
6091.8
5691.5
4764.5
3551.0
2396.1
1940.3
1891.0
1863.3
1820.2
1777.0
1749.3
1727.8
1706.2
1684.7
1669.3
1650.8
1592.3
1462.9
1293.5
1118.0
960.9
822.3
708.4
600.6
502.0
394.2
301.8
255.6
209.4
160.1
101.6
49.3
9.2
0.0
0.0
0.0
0.0

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