

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: P852830

Luminaire Tested: **GLAN-SB6D-722-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852830
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-SB6D-722-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 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: 36536 lumens
Efficiency: N/A
Efficacy: 83.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

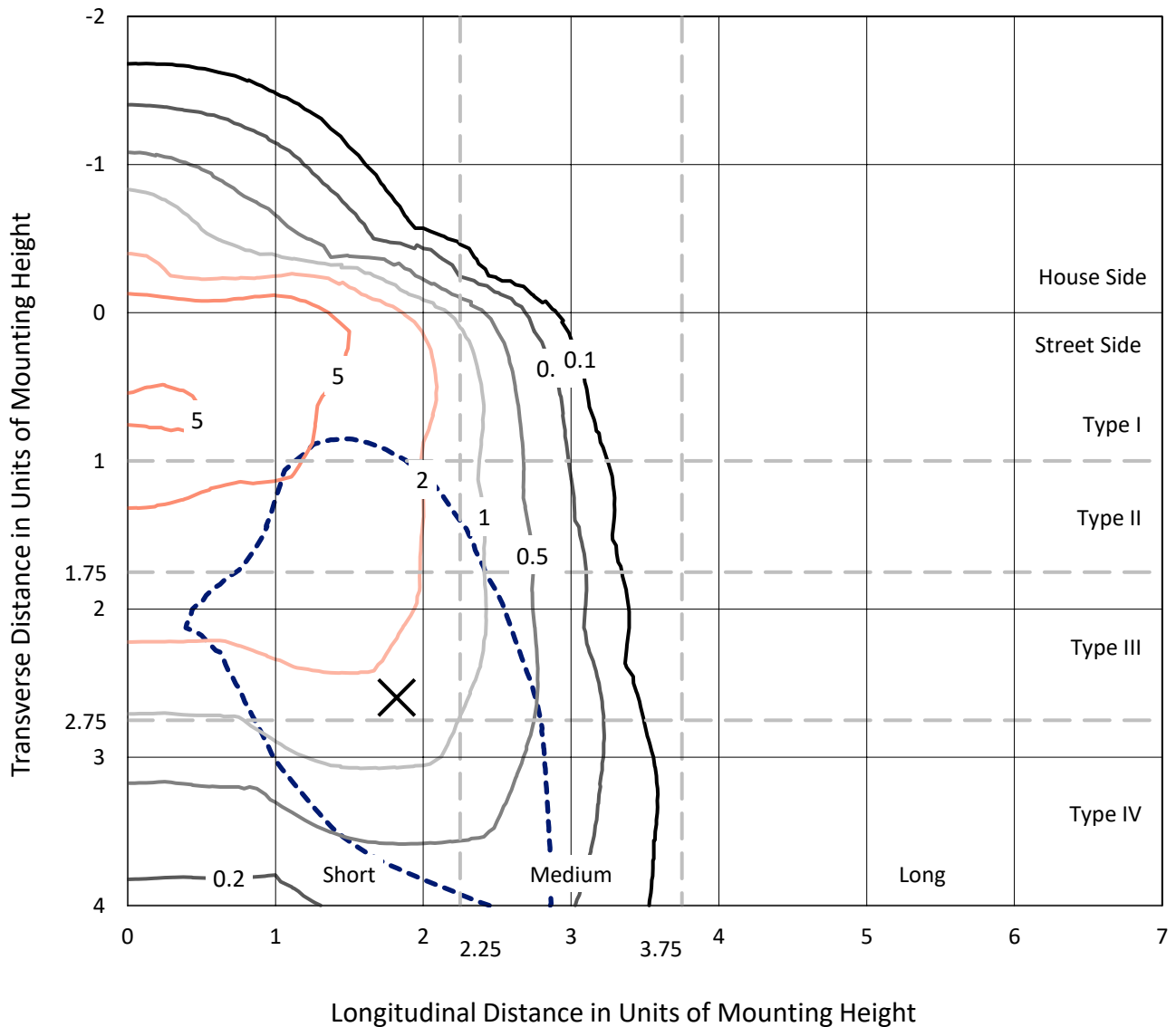
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

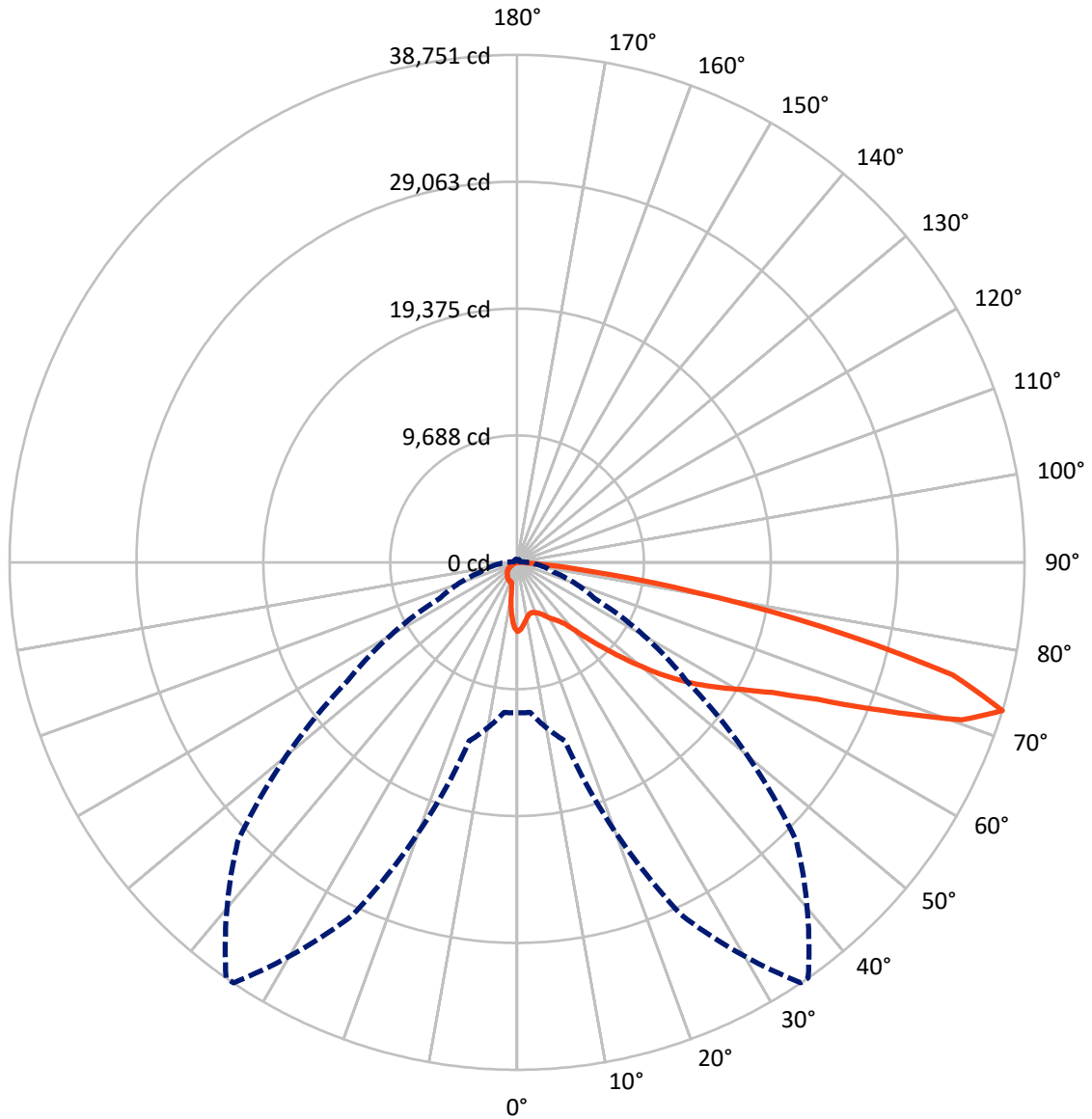
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 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	4112.0	0.0	4112.0
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	32424.0	0.0	32424.0
	% Fixture	88.7	0.0	88.7
Total	Lumens	36536.0	0.0	36536.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	435.1	1.2
10°-20°	1017.9	2.8
20°-30°	1653.6	4.5
30°-40°	2759.0	7.6
40°-50°	5220.2	14.3
50°-60°	8294.8	22.7
60°-70°	10261.3	28.1
70°-80°	6378.5	17.5
80°-90°	515.5	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°	36536.0	100.0
0°-180°	36536.0	100.0

Coefficient of Utilization



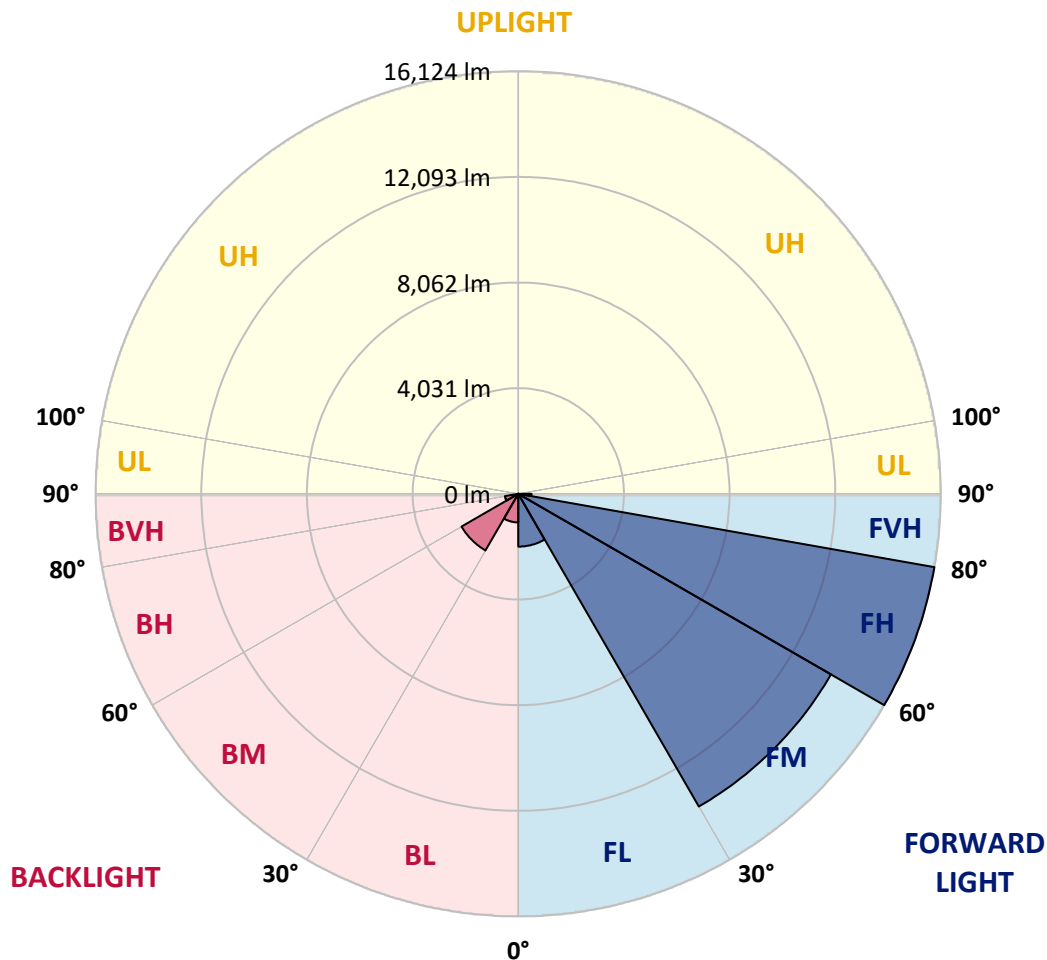
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2014.1	5.5			
FM (30°-60°)	13777.7	37.7			
FH (60°-80°)	16123.8	44.1			G5
FVH (80°-90°)	508.5	1.4			G4/750
BL (0°-30°)	1092.6	3.0	B3/2500		
BM (30°-60°)	2496.3	6.8	B2/2500		
BH (60°-80°)	516.0	1.4	B2/1000		G2/1000
BVH (80°-90°)	7.0	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°	5295.3	5295.3	5295.3	5295.3	5295.3	5295.3	5295.3	5295.3	5295.3	5295.3
2.5°	5059.7	5102.5	5110.6	5124.0	5124.0	5140.0	5166.8	5204.3	5265.8	5298.0
5°	4663.5	4695.6	4735.8	4767.9	4829.5	4837.5	4941.9	5043.6	5185.5	5292.6
7.5°	4264.6	4302.1	4355.6	4433.3	4513.6	4537.7	4695.6	4867.0	5091.8	5292.6
10°	3983.5	3986.2	4034.4	4112.0	4240.5	4270.0	4462.7	4706.3	4987.4	5260.5
12.5°	3825.6	3844.3	3865.7	3924.6	4047.8	4066.5	4272.6	4559.1	4883.0	5241.7
15°	3825.6	3839.0	3852.3	3881.8	3980.8	3996.9	4178.9	4465.4	4829.5	5249.8
17.5°	3865.7	3887.1	3876.4	3911.2	4015.6	4026.3	4187.0	4438.6	4826.8	5300.6
20°	3962.1	3978.2	3956.7	3978.2	4082.6	4104.0	4270.0	4489.5	4872.3	5389.0
22.5°	4114.7	4122.7	4071.9	4087.9	4195.0	4221.8	4414.5	4634.0	4982.1	5530.9
25°	4307.4	4323.5	4245.9	4264.6	4366.3	4398.5	4620.7	4850.9	5156.1	5726.3
27.5°	4529.6	4537.7	4470.7	4468.1	4599.2	4644.8	4869.6	5118.6	5389.0	5972.6
30°	4784.0	4808.1	4743.8	4733.1	4899.1	4936.6	5158.8	5447.9	5731.7	6342.0
32.5°	4984.7	5003.5	4966.0	4992.8	5161.4	5190.9	5509.5	5913.7	6269.8	6866.7
35°	5273.9	5284.6	5198.9	5247.1	5439.9	5514.8	5988.7	6566.9	6947.1	7525.3
37.5°	6320.6	6320.6	5956.5	5718.3	5903.0	5969.9	6644.5	7388.8	7782.3	8408.8
40°	7768.9	7744.8	7212.1	6724.9	6700.8	6831.9	7578.9	8424.8	8861.2	9468.9
42.5°	9313.6	9276.1	8550.6	8068.8	7988.4	8034.0	8657.7	9701.8	10146.2	10761.9
45°	10684.3	10673.6	10009.7	9361.8	9217.2	9361.8	10004.3	11195.6	11514.2	12162.0
47.5°	11832.8	11832.8	11348.2	10925.2	10850.3	10935.9	11827.4	12852.7	12823.3	13653.2
50°	13155.2	13144.5	12684.1	12502.0	12579.7	12700.1	13926.2	14598.2	14177.9	15117.5
52.5°	14081.5	14145.8	13987.8	13958.4	14354.6	14563.4	16057.2	16306.2	15390.6	16507.0
55°	14815.0	14890.0	15072.0	15278.2	16041.1	16314.2	18121.2	17925.8	16405.2	17711.7
57.5°	15853.7	15746.7	16027.8	16434.7	17668.8	17998.1	20121.0	19454.4	17221.7	18688.8
60°	17114.7	17130.7	17178.9	17692.9	19293.8	19716.8	22091.4	20900.1	17746.5	19288.5
62.5°	18629.9	18654.0	18753.0	19542.8	21475.6	21874.5	24190.2	22083.3	17987.4	19119.8
65°	18525.5	18627.2	19732.9	22434.0	24792.6	25186.1	26639.8	22913.2	17623.3	17577.8
67.5°	16876.4	17042.4	18892.3	25887.5	29793.4	30232.4	29600.6	23076.5	16051.9	13669.2
70°	14713.3	14772.2	16996.9	28992.9	35583.9	36028.3	32250.9	21280.2	12180.8	7624.4
72.5°	11490.1	11503.5	14113.6	29713.1	38726.8	38750.9	30170.8	15797.5	6550.8	2928.7
75°	8208.0	8127.7	9452.8	24096.5	34071.4	34344.4	22618.8	7410.2	2503.1	1384.1
77.5°	4401.1	4489.5	5348.8	14290.3	23537.0	24002.8	12341.4	2136.3	1274.3	942.3
80°	1360.0	1434.9	2192.5	6542.8	13331.9	13613.0	4575.2	950.4	888.8	672.0
82.5°	428.3	444.4	1022.6	2749.4	5533.6	5662.1	1325.2	538.1	607.7	444.4
85°	123.1	125.8	455.1	1025.3	1368.0	1394.8	372.1	208.8	348.0	275.7
87.5°	13.4	42.8	171.3	171.3	120.5	117.8	40.2	45.5	99.1	34.8
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°
5295.3	0°	5295.3	5295.3	5295.3	5295.3	5295.3	5295.3	5295.3	5295.3	5295.3	5295.3
5319.4	2.5°	5306.0	5308.7	5273.9	5215.0	5150.7	5097.2	5030.3	4976.7	4939.2	4928.5
5367.6	5°	5343.5	5324.7	5225.7	5046.3	4832.2	4647.4	4441.3	4278.0	4170.9	4125.4
5418.4	7.5°	5399.7	5346.2	5129.3	4775.9	4366.3	4002.3	3632.8	3346.4	3164.3	3073.3
5466.6	10°	5447.9	5340.8	4968.7	4385.1	3758.6	3207.2	2709.2	2363.9	2171.1	2080.1
5522.8	12.5°	5493.4	5338.1	4759.9	3921.9	3073.3	2398.7	1935.5	1764.2	1710.7	1691.9
5613.9	15°	5579.1	5346.2	4497.5	3391.9	2390.6	1812.4	1643.7	1641.1	1651.8	1646.4
5753.1	17.5°	5696.9	5354.2	4200.4	2829.7	1844.5	1598.2	1590.2	1614.3	1630.4	1622.3
5927.1	20°	5849.4	5386.3	3884.5	2272.9	1584.8	1544.7	1563.4	1584.8	1598.2	1584.8
6160.0	22.5°	6063.6	5442.5	3539.1	1825.8	1501.8	1512.6	1528.6	1552.7	1566.1	1547.4
6457.2	25°	6326.0	5530.9	3199.1	1587.5	1461.7	1475.1	1499.2	1525.9	1542.0	1523.3
6831.9	27.5°	6666.0	5672.8	2885.9	1534.0	1421.5	1429.6	1464.4	1504.5	1525.9	1501.8
7364.7	30°	7158.5	5905.7	2615.5	1558.1	1397.4	1378.7	1426.9	1483.1	1507.2	1485.8
8090.2	32.5°	7811.8	6235.0	2449.5	1595.5	1386.7	1319.8	1365.3	1437.6	1477.8	1464.4
9037.9	35°	8668.4	6735.6	2385.3	1638.4	1378.7	1258.2	1290.4	1368.0	1437.6	1451.0
10231.9	37.5°	9707.1	7431.6	2404.0	1657.1	1354.6	1207.4	1223.4	1290.4	1381.4	1424.2
11575.8	40°	10887.7	8242.8	2511.1	1638.4	1327.8	1164.5	1167.2	1218.1	1298.4	1362.6
13021.4	42.5°	12105.8	9190.5	2709.2	1568.8	1303.7	1127.1	1119.0	1153.8	1207.4	1252.9
14464.3	45°	13265.0	10164.9	2904.6	1472.4	1274.3	1089.6	1070.8	1084.2	1094.9	1113.7
15869.8	47.5°	14276.9	10850.3	2848.4	1384.1	1234.1	1046.7	1014.6	1009.3	977.1	974.5
17125.4	50°	14975.7	11000.2	2529.9	1295.7	1175.2	998.6	947.7	915.6	859.3	832.6
18065.0	52.5°	15197.9	10408.5	2066.7	1207.4	1078.9	934.3	862.0	811.2	741.6	717.5
18605.8	55°	14903.4	9249.4	1651.8	1100.3	945.0	848.6	768.3	701.4	645.2	615.7
18664.7	57.5°	14183.2	7774.3	1306.4	974.5	803.1	752.3	672.0	605.0	556.8	527.4
18011.5	60°	12989.3	6173.4	1033.4	824.5	685.3	647.9	564.9	522.0	479.2	444.4
16324.9	62.5°	11176.9	4406.5	811.2	653.2	572.9	530.1	481.9	449.8	398.9	350.7
13291.8	65°	8722.0	2695.8	626.4	479.2	460.5	439.0	409.6	380.1	318.6	270.4
8671.1	67.5°	5501.4	1277.0	447.1	361.4	364.1	353.4	340.0	315.9	270.4	227.6
3884.5	70°	2422.8	618.4	294.5	275.7	270.4	270.4	281.1	273.1	230.2	190.1
1349.3	72.5°	824.5	332.0	219.5	208.8	195.4	192.8	235.6	227.6	184.7	147.2
672.0	75°	431.0	222.2	160.6	149.9	117.8	141.9	187.4	176.7	131.2	96.4
444.4	77.5°	281.1	157.9	109.8	96.4	66.9	93.7	139.2	123.1	77.6	48.2
291.8	80°	176.7	104.4	64.3	45.5	32.1	50.9	75.0	53.5	29.4	10.7
171.3	82.5°	93.7	53.5	24.1	16.1	13.4	16.1	18.7	13.4	5.4	0.0
88.3	85°	37.5	18.7	8.0	5.4	2.7	0.0	5.4	2.7	0.0	0.0
16.1	87.5°	13.4	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°
5295.3
4947.3
4141.5
3086.7
2082.8
1686.6
1643.7
1619.6
1582.2
1544.7
1520.6
1501.8
1483.1
1464.4
1451.0
1434.9
1384.1
1271.6
1124.4
971.8
835.3
714.8
615.7
522.0
436.4
342.7
262.4
222.2
182.0
139.2
88.3
42.8
8.0
0.0
0.0
0.0
0.0

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