

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: P852992

Luminaire Tested: **GLAN-SB7D-930-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852992
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-SB7D-930-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 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: 36966 lumens
Efficiency: N/A
Efficacy: 72.1 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

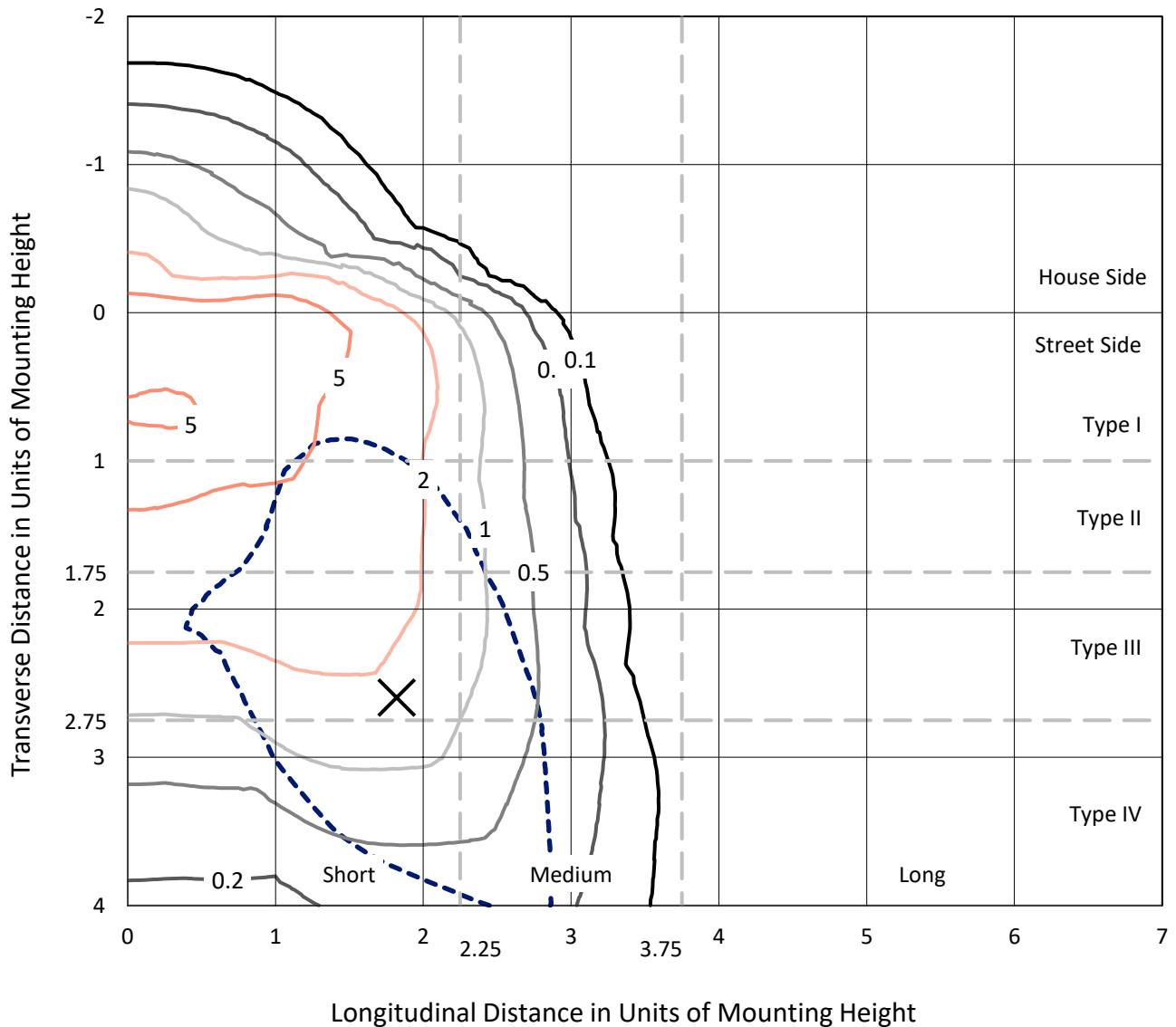
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

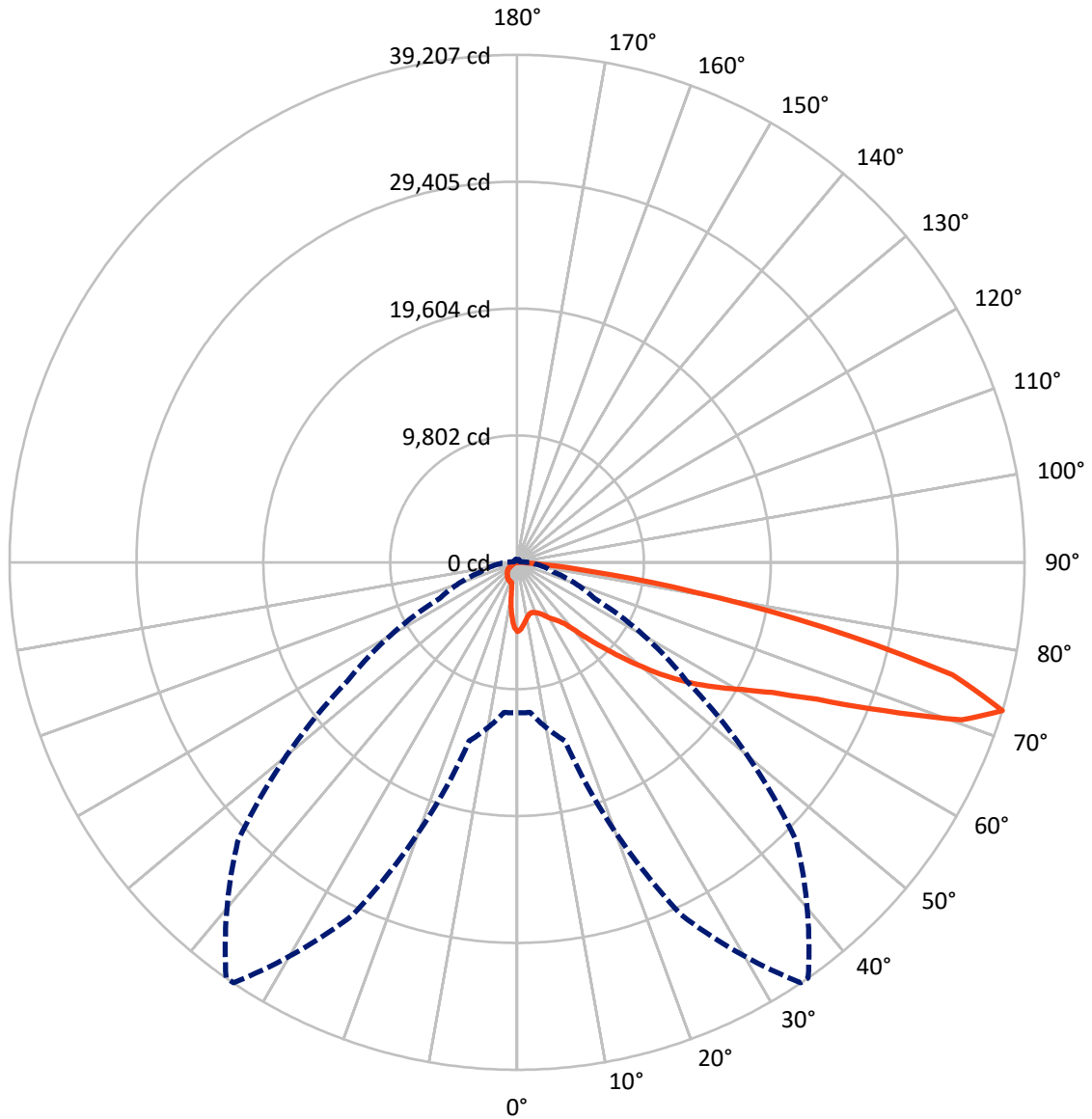
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 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	4160.3	0.0	4160.3
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	32805.6	0.0	32805.6
	% Fixture	88.7	0.0	88.7
Total	Lumens	36966.0	0.0	36966.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	440.3	1.2
10°-20°	1029.9	2.8
20°-30°	1673.1	4.5
30°-40°	2791.5	7.6
40°-50°	5281.6	14.3
50°-60°	8392.4	22.7
60°-70°	10382.1	28.1
70°-80°	6453.6	17.5
80°-90°	521.6	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°	36966.0	100.0
0°-180°	36966.0	100.0

Coefficient of Utilization

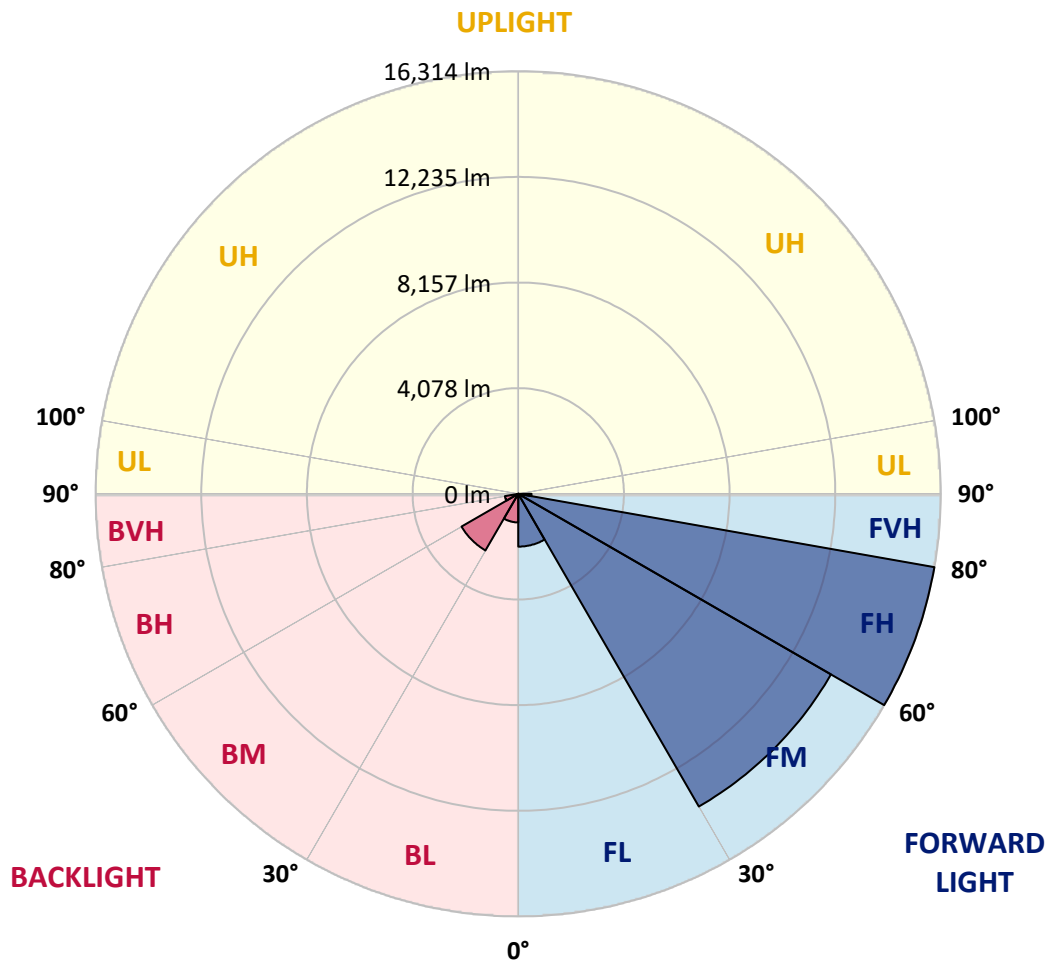


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2037.8	5.5			
FM (30°-60°)	13939.9	37.7			
FH (60°-80°)	16313.5	44.1			G5
FVH (80°-90°)	514.5	1.4			G4/750
BL (0°-30°)	1105.5	3.0	B3/2500		
BM (30°-60°)	2525.7	6.8	B3/5000		
BH (60°-80°)	522.1	1.4	B2/1000		G2/1000
BVH (80°-90°)	7.1	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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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	5357.6	5357.6	5357.6	5357.6	5357.6	5357.6	5357.6	5357.6	5357.6	5357.6
2.5°	5119.3	5162.6	5170.7	5184.3	5184.3	5200.5	5227.6	5265.5	5327.8	5360.3
5°	4718.4	4750.9	4791.5	4824.0	4886.3	4894.4	5000.1	5103.0	5246.6	5354.9
7.5°	4314.8	4352.7	4406.9	4485.4	4566.7	4591.1	4750.9	4924.2	5151.8	5354.9
10°	4030.4	4033.1	4081.9	4160.4	4290.4	4320.2	4515.2	4761.7	5046.1	5322.4
12.5°	3870.6	3889.6	3911.2	3970.8	4095.4	4114.4	4322.9	4612.7	4940.5	5303.4
15°	3870.6	3884.1	3897.7	3927.5	4027.7	4043.9	4228.1	4517.9	4886.3	5311.6
17.5°	3911.2	3932.9	3922.1	3957.3	4062.9	4073.7	4236.3	4490.9	4883.6	5363.0
20°	4008.7	4025.0	4003.3	4025.0	4130.6	4152.3	4320.2	4542.3	4929.7	5452.4
22.5°	4163.1	4171.2	4119.8	4136.0	4244.4	4271.5	4466.5	4688.6	5040.7	5596.0
25°	4358.1	4374.4	4295.8	4314.8	4417.7	4450.2	4675.0	4908.0	5216.8	5793.7
27.5°	4583.0	4591.1	4523.4	4520.7	4653.4	4699.4	4926.9	5178.8	5452.4	6042.9
30°	4840.3	4864.6	4799.6	4788.8	4956.7	4994.7	5219.5	5512.0	5799.1	6416.7
32.5°	5043.4	5062.4	5024.5	5051.5	5222.2	5252.0	5574.3	5983.3	6343.5	6947.6
35°	5335.9	5346.8	5260.1	5308.9	5503.9	5579.7	6059.1	6644.2	7028.8	7613.9
37.5°	6395.0	6395.0	6026.6	5785.6	5972.5	6040.2	6722.7	7475.7	7873.9	8507.7
40°	7860.4	7836.0	7297.0	6804.0	6779.6	6912.3	7668.0	8524.0	8965.5	9580.3
42.5°	9423.2	9385.3	8651.3	8163.7	8082.5	8128.5	8759.6	9816.0	10265.6	10888.6
45°	10810.0	10799.2	10127.5	9472.0	9325.7	9472.0	10122.0	11327.4	11649.7	12305.2
47.5°	11972.0	11972.0	11481.8	11053.8	10978.0	11064.6	11966.6	13004.0	12974.2	13813.9
50°	13310.1	13299.2	12833.4	12649.2	12727.7	12849.6	14090.1	14770.0	14344.8	15295.5
52.5°	14247.2	14312.2	14152.4	14122.6	14523.5	14734.8	16246.2	16498.1	15571.7	16701.2
55°	14989.4	15065.2	15249.4	15458.0	16229.9	16506.2	18334.5	18136.8	16598.3	17920.1
57.5°	16040.3	15932.0	16216.4	16628.1	17876.8	18209.9	20357.8	19683.4	17424.4	18908.7
60°	17316.1	17332.3	17381.1	17901.1	19520.9	19948.8	22351.4	21146.0	17955.3	19515.5
62.5°	18849.2	18873.5	18973.8	19772.8	21728.4	22132.0	24474.9	22343.2	18199.1	19344.8
65°	18743.5	18846.4	19965.1	22698.1	25084.4	25482.5	26953.3	23182.9	17830.7	17784.7
67.5°	17075.0	17243.0	19114.6	26192.2	30144.0	30588.2	29949.0	23348.1	16240.8	13830.1
70°	14886.5	14946.1	17196.9	29334.1	36002.7	36452.4	32630.5	21530.7	12324.1	7714.1
72.5°	11625.3	11638.9	14279.7	30062.8	39182.6	39207.0	30525.9	15983.5	6627.9	2963.2
75°	8304.6	8223.3	9564.1	24380.1	34472.4	34748.6	22885.0	7497.4	2532.5	1400.3
77.5°	4452.9	4542.3	5411.8	14458.5	23814.0	24285.3	12486.7	2161.5	1289.3	953.4
80°	1376.0	1451.8	2218.3	6619.8	13488.8	13773.2	4629.0	961.6	899.3	679.9
82.5°	433.4	449.6	1034.7	2781.7	5598.7	5728.7	1340.8	544.4	614.9	449.6
85°	124.6	127.3	460.5	1037.4	1384.1	1411.2	376.5	211.3	352.1	279.0
87.5°	13.5	43.3	173.4	173.4	121.9	119.2	40.6	46.0	100.2	35.2
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°
5357.6	0°	5357.6	5357.6	5357.6	5357.6	5357.6	5357.6	5357.6	5357.6	5357.6	5357.6
5382.0	2.5°	5368.4	5371.2	5335.9	5276.4	5211.3	5157.2	5089.5	5035.3	4997.4	4986.5
5430.7	5°	5406.4	5387.4	5287.2	5105.7	4889.0	4702.1	4493.6	4328.3	4220.0	4174.0
5482.2	7.5°	5463.2	5409.1	5189.7	4832.1	4417.7	4049.4	3675.6	3385.8	3201.6	3109.5
5531.0	10°	5512.0	5403.7	5027.2	4436.7	3802.9	3244.9	2741.1	2391.7	2196.7	2104.6
5587.8	12.5°	5558.0	5401.0	4815.9	3968.1	3109.5	2426.9	1958.3	1785.0	1730.8	1711.8
5679.9	15°	5644.7	5409.1	4550.4	3431.8	2418.8	1833.7	1663.1	1660.4	1671.2	1665.8
5820.8	17.5°	5763.9	5417.2	4249.8	2863.0	1866.2	1617.0	1608.9	1633.3	1649.5	1641.4
5996.8	20°	5918.3	5449.7	3930.2	2299.6	1603.5	1562.9	1581.8	1603.5	1617.0	1603.5
6232.5	22.5°	6135.0	5506.6	3580.8	1847.3	1519.5	1530.4	1546.6	1571.0	1584.5	1565.6
6533.1	25°	6400.4	5596.0	3236.8	1606.2	1478.9	1492.4	1516.8	1543.9	1560.2	1541.2
6912.3	27.5°	6744.4	5739.5	2919.9	1552.0	1438.3	1446.4	1481.6	1522.2	1543.9	1519.5
7451.4	30°	7242.8	5975.2	2646.3	1576.4	1413.9	1394.9	1443.7	1500.6	1524.9	1503.3
8185.4	32.5°	7903.7	6308.3	2478.4	1614.3	1403.1	1335.3	1381.4	1454.5	1495.1	1481.6
9144.2	35°	8770.5	6814.8	2413.4	1657.7	1394.9	1273.0	1305.5	1384.1	1454.5	1468.1
10352.3	37.5°	9821.4	7519.1	2432.3	1676.6	1370.6	1221.6	1237.8	1305.5	1397.6	1441.0
11712.0	40°	11015.9	8339.8	2540.7	1657.7	1343.5	1178.2	1181.0	1232.4	1313.7	1378.7
13174.6	42.5°	12248.3	9298.6	2741.1	1587.2	1319.1	1140.3	1132.2	1167.4	1221.6	1267.6
14634.6	45°	13421.1	10284.6	2938.8	1489.7	1289.3	1102.4	1083.4	1097.0	1107.8	1126.8
16056.6	47.5°	14445.0	10978.0	2882.0	1400.3	1248.7	1059.1	1026.6	1021.1	988.6	985.9
17326.9	50°	15151.9	11129.6	2559.6	1311.0	1189.1	1010.3	958.8	926.3	869.5	842.4
18277.6	52.5°	15376.7	10531.0	2091.0	1221.6	1091.6	945.3	872.2	820.7	750.3	725.9
18824.8	55°	15078.8	9358.2	1671.2	1113.2	956.1	858.6	777.4	709.7	652.8	623.0
18884.4	57.5°	14350.2	7865.8	1321.8	985.9	812.6	761.1	679.9	612.1	563.4	533.6
18223.5	60°	13142.1	6246.0	1045.5	834.2	693.4	655.5	571.5	528.2	484.8	449.6
16517.0	62.5°	11308.4	4458.4	820.7	660.9	579.6	536.3	487.5	455.0	403.6	354.8
13448.2	65°	8824.6	2727.6	633.8	484.8	465.9	444.2	414.4	384.6	322.3	273.6
8773.2	67.5°	5566.2	1292.0	452.3	365.7	368.4	357.5	344.0	319.6	273.6	230.2
3930.2	70°	2451.3	625.7	297.9	279.0	273.6	273.6	284.4	276.3	232.9	192.3
1365.1	72.5°	834.2	335.9	222.1	211.3	197.7	195.0	238.4	230.2	186.9	149.0
679.9	75°	436.1	224.8	162.5	151.7	119.2	143.6	189.6	178.8	132.7	97.5
449.6	77.5°	284.4	159.8	111.1	97.5	67.7	94.8	140.8	124.6	78.5	48.8
295.2	80°	178.8	105.6	65.0	46.0	32.5	51.5	75.8	54.2	29.8	10.8
173.4	82.5°	94.8	54.2	24.4	16.3	13.5	16.3	19.0	13.5	5.4	0.0
89.4	85°	37.9	19.0	8.1	5.4	2.7	0.0	5.4	2.7	0.0	0.0
16.3	87.5°	13.5	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

<u>180°</u>
5357.6
5005.5
4190.2
3123.0
2107.3
1706.4
1663.1
1638.7
1600.8
1562.9
1538.5
1519.5
1500.6
1481.6
1468.1
1451.8
1400.3
1286.6
1137.6
983.2
845.1
723.2
623.0
528.2
441.5
346.7
265.4
224.8
184.2
<i>140.8</i>
89.4
43.3
8.1
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