

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: P853172

Luminaire Tested: **GLAN-SB9B-727-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853172  
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-727-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

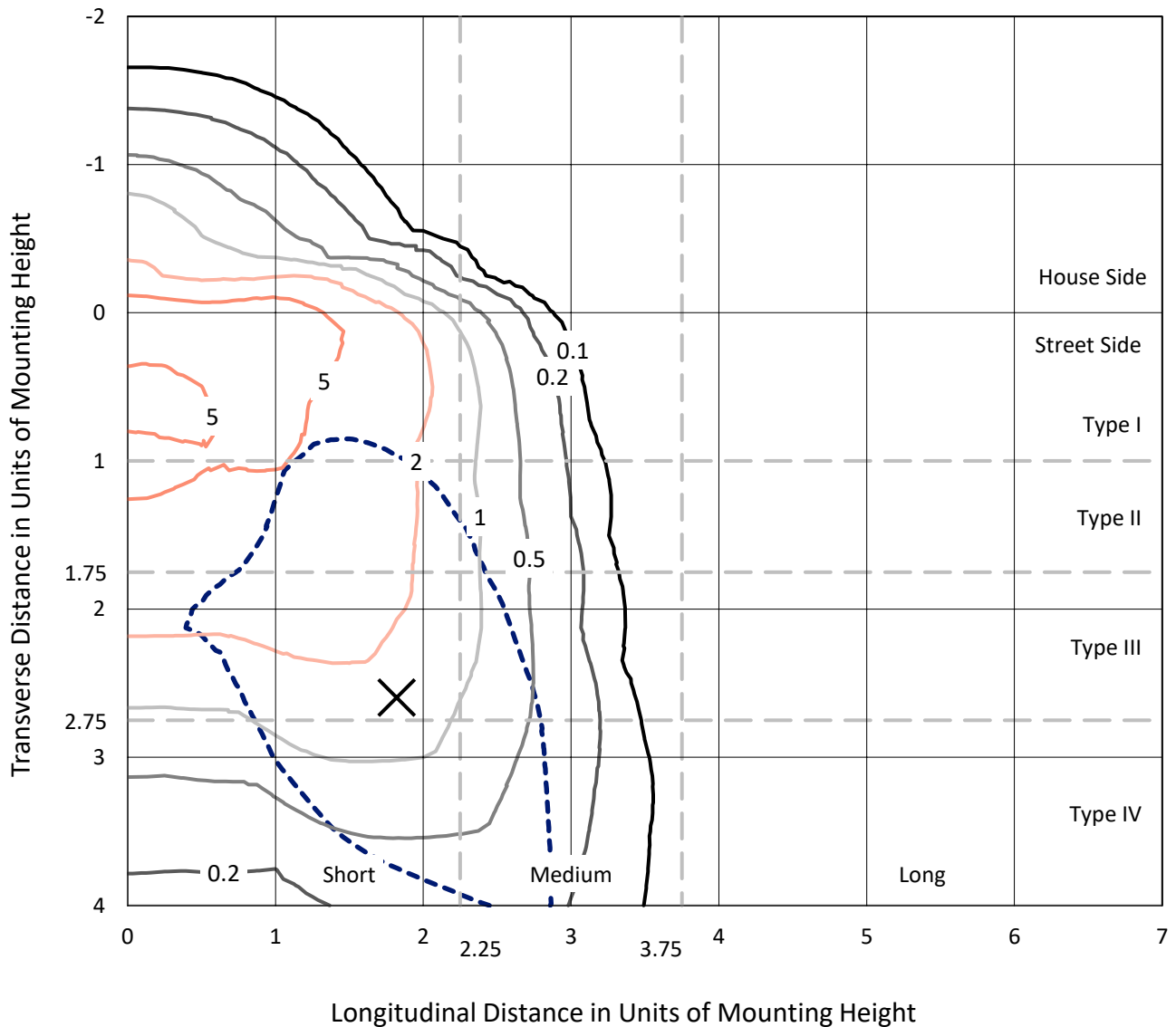
Lumens per Lamp: N/A  
Luminaire Lumens: 34535 lumens  
Efficiency: N/A  
Efficacy: 104.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 329.5  
Input Voltage (V): NR  
Input Current (Ain): 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

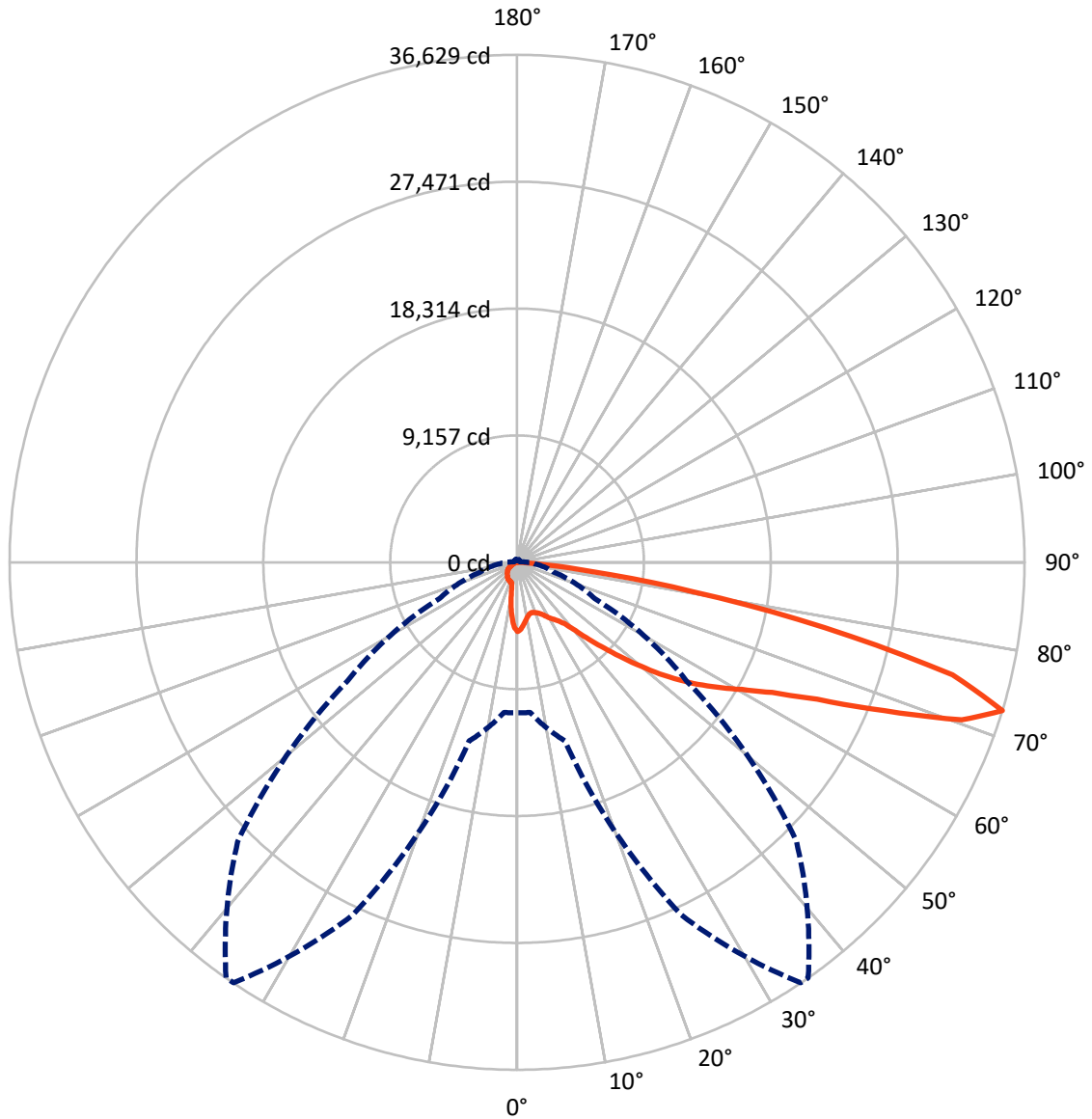
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 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
<b>House Side</b>	Lumens	3886.8	0.0	3886.8
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	30648.3	0.0	30648.3
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	34535.0	0.0	34535.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	411.3	1.2
10°-20°	962.2	2.8
20°-30°	1563.1	4.5
30°-40°	2607.9	7.6
40°-50°	4934.3	14.3
50°-60°	7840.5	22.7
60°-70°	9699.3	28.1
70°-80°	6029.1	17.5
80°-90°	487.3	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°	34535.0	100.0
0°-180°	34535.0	100.0

**Coefficient of Utilization**



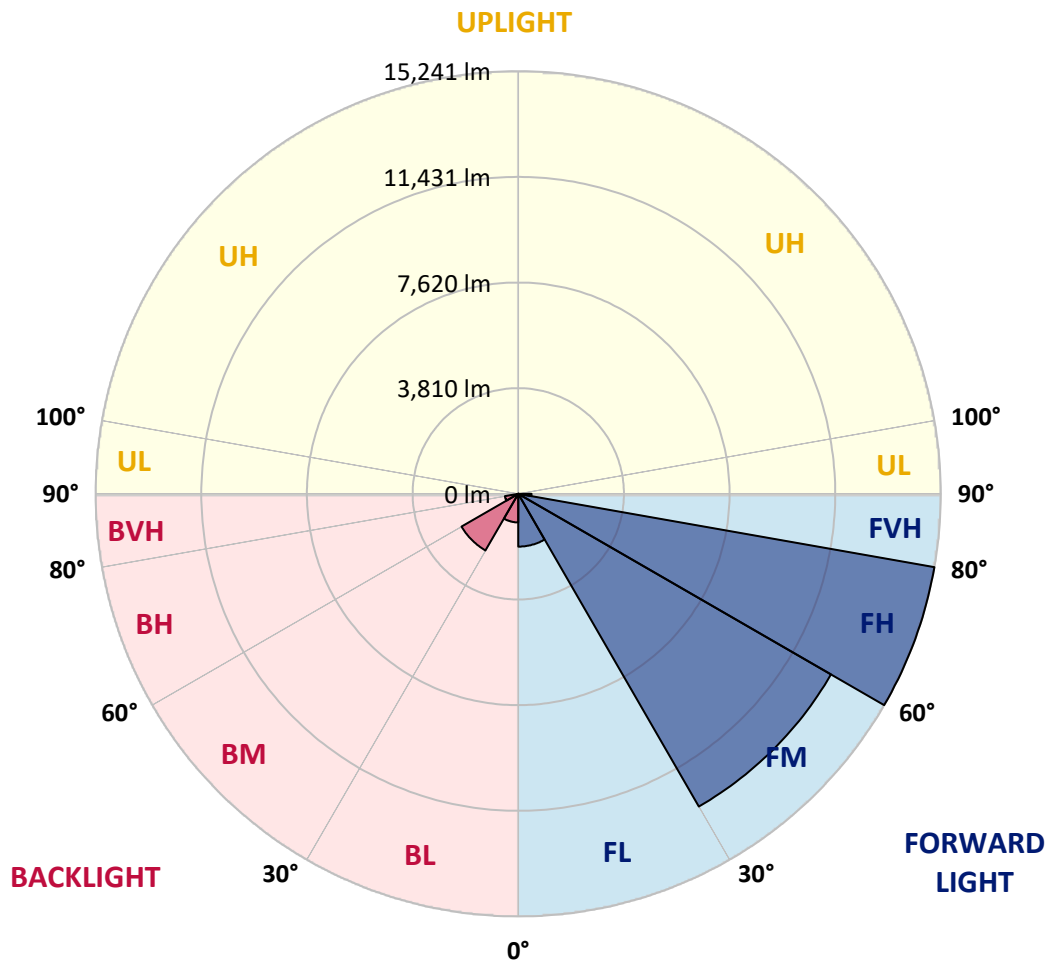
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1903.8	5.5			
FM (30°-60°)	13023.1	37.7			
FH (60°-80°)	15240.7	44.1			G5
FVH (80°-90°)	480.6	1.4			G3/500
BL (0°-30°)	1032.8	3.0	B3/2500		
BM (30°-60°)	2359.6	6.8	B2/2500		
BH (60°-80°)	487.7	1.4	B1/500		G1/500
BVH (80°-90°)	6.6	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°	5005.3	5005.3	5005.3	5005.3	5005.3	5005.3	5005.3	5005.3	5005.3	5005.3
2.5°	4782.6	4823.1	4830.7	4843.3	4843.3	4858.5	4883.8	4919.2	4977.4	5007.8
5°	4408.1	4438.5	4476.4	4506.8	4565.0	4572.6	4671.3	4767.4	4901.5	5002.7
7.5°	4031.0	4066.5	4117.1	4190.5	4266.4	4289.2	4438.5	4600.4	4813.0	5002.7
10°	3765.3	3767.9	3813.4	3886.8	4008.3	4036.1	4218.3	4448.6	4714.3	4972.4
12.5°	3616.0	3633.8	3654.0	3709.7	3826.1	3843.8	4038.6	4309.4	4615.6	4954.7
15°	3616.0	3628.7	3641.4	3669.2	3762.8	3778.0	3950.1	4220.8	4565.0	4962.3
17.5°	3654.0	3674.2	3664.1	3697.0	3795.7	3805.8	3957.7	4195.5	4562.4	5010.3
20°	3745.1	3760.3	3740.0	3760.3	3859.0	3879.2	4036.1	4243.6	4605.5	5093.8
22.5°	3889.3	3896.9	3848.9	3864.0	3965.3	3990.6	4172.8	4380.3	4709.2	5228.0
25°	4071.5	4086.7	4013.3	4031.0	4127.2	4157.6	4367.6	4585.2	4873.7	5412.7
27.5°	4281.6	4289.2	4225.9	4223.4	4347.4	4390.4	4602.9	4838.3	5093.8	5645.5
30°	4522.0	4544.7	4484.0	4473.9	4630.8	4666.2	4876.2	5149.5	5417.7	5994.7
32.5°	4711.7	4729.5	4694.0	4719.3	4878.8	4906.6	5207.7	5589.8	5926.4	6490.7
35°	4985.0	4995.2	4914.2	4959.7	5141.9	5212.8	5660.7	6207.3	6566.6	7113.2
37.5°	5974.5	5974.5	5630.3	5405.1	5579.7	5643.0	6280.6	6984.1	7356.1	7948.2
40°	7343.4	7320.7	6817.1	6356.6	6333.8	6457.8	7163.8	7963.4	8375.9	8950.3
42.5°	8803.5	8768.1	8082.3	7626.9	7550.9	7594.0	8183.6	9170.4	9590.5	10172.5
45°	10099.1	10089.0	9461.4	8849.1	8712.4	8849.1	9456.4	10582.4	10883.6	11495.9
47.5°	11184.7	11184.7	10726.7	10326.9	10256.0	10337.0	11179.6	12148.8	12121.0	12905.4
50°	12434.8	12424.6	11989.4	11817.3	11890.7	12004.6	13163.5	13798.7	13401.4	14289.6
52.5°	13310.3	13371.0	13221.7	13193.9	13568.4	13765.8	15177.8	15413.1	14547.7	15602.9
55°	14003.6	14074.5	14246.6	14441.4	15162.6	15420.7	17128.8	16944.1	15506.8	16741.6
57.5°	14985.5	14884.3	15150.0	15534.6	16701.1	17012.4	19019.0	18389.0	16278.5	17665.2
60°	16177.3	16192.5	16238.1	16723.9	18237.1	18636.9	20881.5	19755.4	16774.5	18232.1
62.5°	17609.6	17632.3	17726.0	18472.5	20299.5	20676.5	22865.4	20873.9	17002.3	18072.7
65°	17510.9	17607.0	18652.1	21205.4	23434.7	23806.7	25180.8	21658.3	16658.1	16615.1
67.5°	15952.1	16109.0	17857.6	24469.7	28161.7	28576.7	27979.5	21812.7	15172.7	12920.6
70°	13907.5	13963.2	16066.0	27405.0	33635.1	34055.1	30484.6	20114.7	11513.7	7206.8
72.5°	10860.8	10873.5	13340.7	28085.7	36605.9	36628.6	28518.5	14932.3	6192.1	2768.3
75°	7758.4	7682.5	8935.1	22776.8	32205.4	32463.5	21380.0	7004.4	2366.0	1308.3
77.5°	4160.1	4243.6	5055.9	13507.7	22247.9	22688.2	11665.5	2019.3	1204.5	890.7
80°	1285.5	1356.3	2072.5	6184.5	12601.8	12867.5	4324.6	898.3	840.1	635.1
82.5°	404.9	420.1	966.6	2598.8	5230.5	5352.0	1252.6	508.6	574.4	420.1
85°	116.4	118.9	430.2	969.2	1293.1	1318.4	351.7	197.4	329.0	260.6
87.5°	12.7	40.5	162.0	162.0	113.9	111.3	38.0	43.0	93.6	32.9
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°
5005.3	0°	5005.3	5005.3	5005.3	5005.3	5005.3	5005.3	5005.3	5005.3	5005.3	5005.3
5028.1	2.5°	5015.4	5017.9	4985.0	4929.4	4868.6	4818.0	4754.8	4704.2	4668.7	4658.6
5073.6	5°	5050.8	5033.1	4939.5	4769.9	4567.5	4392.9	4198.1	4043.7	3942.5	3899.5
5121.7	7.5°	5104.0	5053.4	4848.4	4514.4	4127.2	3783.1	3433.9	3163.1	2991.0	2905.0
5167.2	10°	5149.5	5048.3	4696.6	4144.9	3552.8	3031.5	2560.8	2234.4	2052.2	1966.2
5220.4	12.5°	5192.5	5045.8	4499.2	3707.1	2905.0	2267.3	1829.5	1667.6	1617.0	1599.3
5306.4	15°	5273.5	5053.4	4251.2	3206.1	2259.7	1713.1	1553.7	1551.2	1561.3	1556.2
5438.0	17.5°	5384.9	5060.9	3970.3	2674.7	1743.5	1510.7	1503.1	1525.9	1541.1	1533.5
5602.5	20°	5529.1	5091.3	3671.7	2148.4	1498.0	1460.1	1477.8	1498.0	1510.7	1498.0
5822.6	22.5°	5731.5	5144.5	3345.3	1725.8	1419.6	1429.7	1444.9	1467.7	1480.3	1462.6
6103.5	25°	5979.5	5228.0	3023.9	1500.6	1381.6	1394.3	1417.1	1442.4	1457.6	1439.8
6457.8	27.5°	6300.9	5362.1	2727.9	1450.0	1343.7	1351.3	1384.2	1422.1	1442.4	1419.6
6961.3	30°	6766.5	5582.2	2472.3	1472.7	1320.9	1303.2	1348.7	1401.9	1424.7	1404.4
7647.1	32.5°	7383.9	5893.5	2315.4	1508.2	1310.8	1247.5	1290.5	1358.9	1396.8	1384.2
8542.9	35°	8193.7	6366.7	2254.7	1548.7	1303.2	1189.3	1219.7	1293.1	1358.9	1371.5
9671.5	37.5°	9175.5	7024.6	2272.4	1566.4	1280.4	1141.2	1156.4	1219.7	1305.7	1346.2
10941.8	40°	10291.4	7791.3	2373.6	1548.7	1255.1	1100.8	1103.3	1151.4	1227.3	1288.0
12308.2	42.5°	11442.8	8687.1	2560.8	1482.9	1232.3	1065.3	1057.7	1090.6	1141.2	1184.3
13672.2	45°	12538.5	9608.2	2745.6	1391.8	1204.5	1029.9	1012.2	1024.8	1035.0	1052.7
15000.7	47.5°	13495.0	10256.0	2692.4	1308.3	1166.5	989.4	959.0	954.0	923.6	921.1
16187.4	50°	14155.5	10397.7	2391.3	1224.7	1110.9	943.9	895.8	865.4	812.3	787.0
17075.6	52.5°	14365.5	9838.5	1953.5	1141.2	1019.8	883.1	814.8	766.7	700.9	678.2
17586.8	55°	14087.2	8742.8	1561.3	1040.0	893.3	802.2	726.2	663.0	609.8	582.0
17642.5	57.5°	13406.5	7348.5	1234.9	921.1	759.1	711.1	635.1	571.9	526.3	498.5
17025.0	60°	12277.9	5835.3	976.8	779.4	647.8	612.4	533.9	493.4	453.0	420.1
15430.8	62.5°	10564.7	4165.2	766.7	617.4	541.5	501.0	455.5	425.1	377.0	331.5
12563.8	65°	8244.3	2548.2	592.1	453.0	435.2	415.0	387.2	359.3	301.1	255.6
8196.2	67.5°	5200.1	1207.0	422.6	341.6	344.1	334.0	321.4	298.6	255.6	215.1
3671.7	70°	2290.1	584.5	278.4	260.6	255.6	255.6	265.7	258.1	217.6	179.7
1275.4	72.5°	779.4	313.8	207.5	197.4	184.7	182.2	222.7	215.1	174.6	139.2
635.1	75°	407.4	210.0	151.8	141.7	111.3	134.1	177.1	167.0	124.0	91.1
420.1	77.5°	265.7	149.3	103.7	91.1	63.3	88.6	131.6	116.4	73.4	45.5
275.8	80°	167.0	98.7	60.7	43.0	30.4	48.1	70.9	50.6	27.8	10.1
162.0	82.5°	88.6	50.6	22.8	15.2	12.7	15.2	17.7	12.7	5.1	0.0
83.5	85°	35.4	17.7	7.6	5.1	2.5	0.0	5.1	2.5	0.0	0.0
15.2	87.5°	12.7	2.5	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°
5005.3
4676.3
3914.6
2917.6
1968.7
1594.2
1553.7
1530.9
1495.5
1460.1
1437.3
1419.6
1401.9
1384.2
1371.5
1356.3
1308.3
1202.0
1062.8
918.6
789.5
675.6
582.0
493.4
412.5
323.9
248.0
210.0
172.1
131.6
83.5
40.5
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