

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: P850475

Luminaire Tested: **GLAN-SB8A-730-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850475
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-SB8A-730-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3000K, 350mA 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: 25586 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

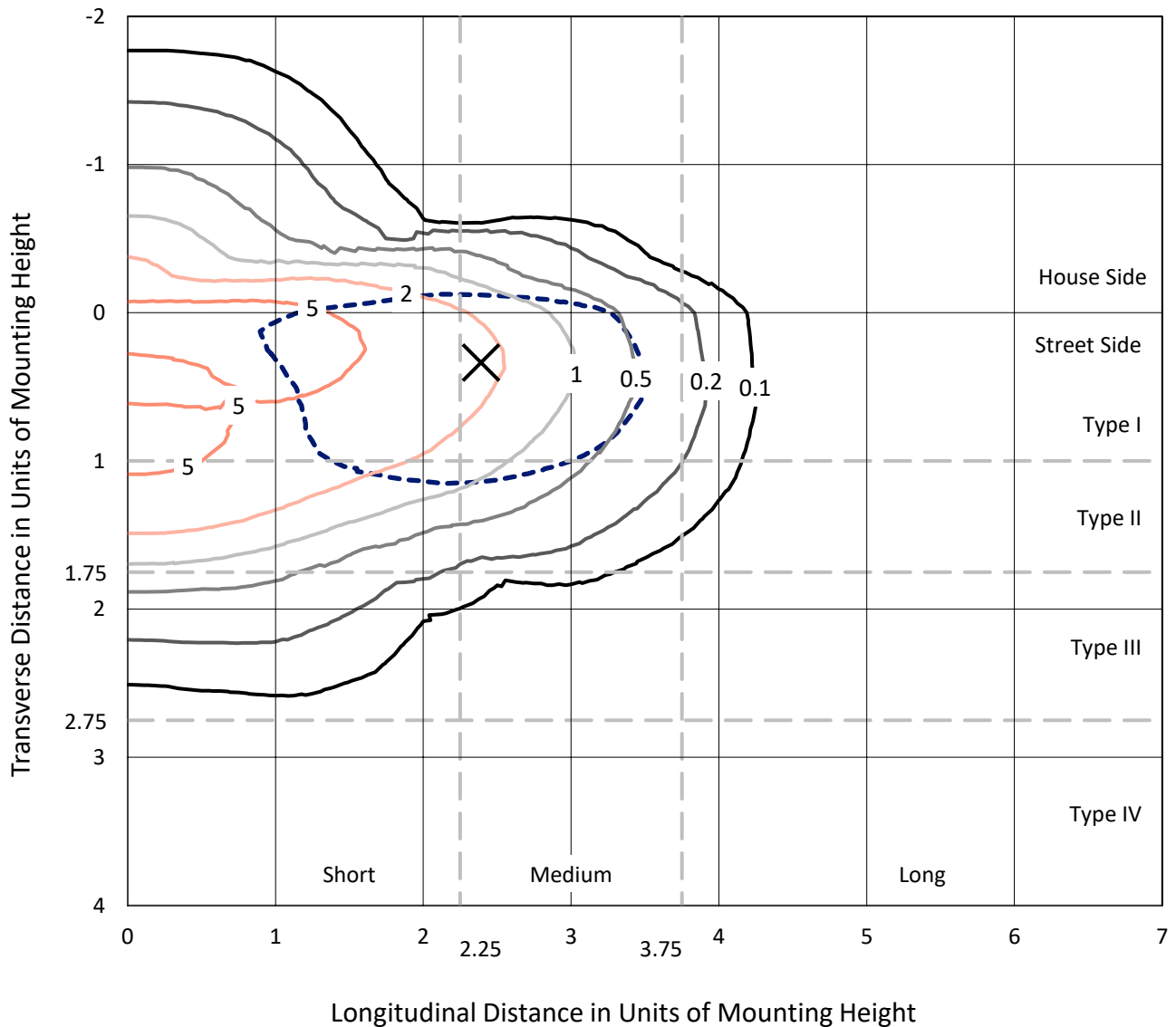
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

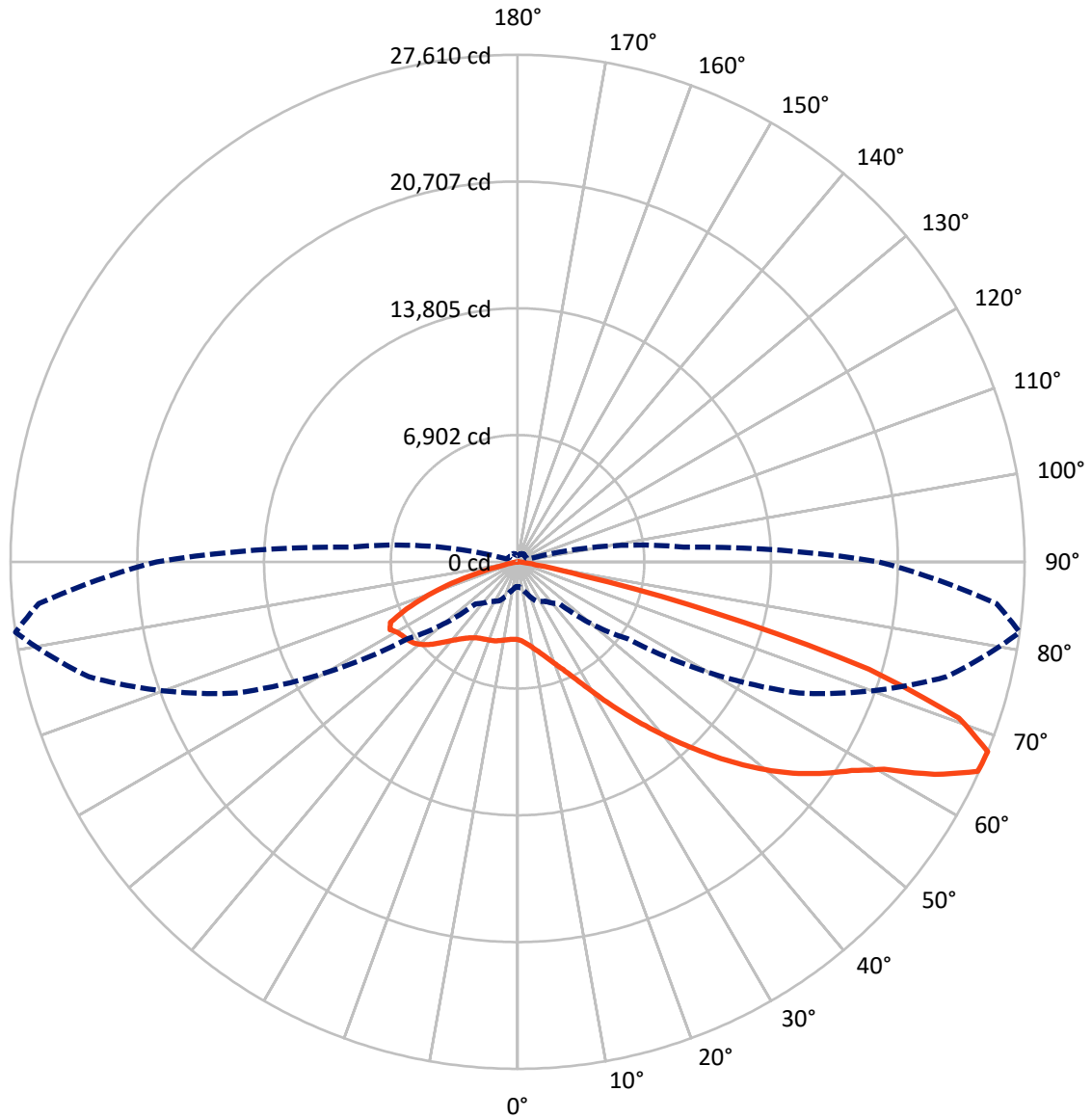
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 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	4634.7	0.0	4634.7
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	20951.3	0.0	20951.3
	% Fixture	81.9	0.0	81.9
Total	Lumens	25586.0	0.0	25586.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	377.6	1.5
10°-20°	981.3	3.8
20°-30°	1571.8	6.1
30°-40°	2779.4	10.9
40°-50°	4869.8	19.0
50°-60°	6494.9	25.4
60°-70°	6046.4	23.6
70°-80°	2320.6	9.1
80°-90°	144.1	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°	25586.0	100.0
0°-180°	25586.0	100.0

Coefficient of Utilization

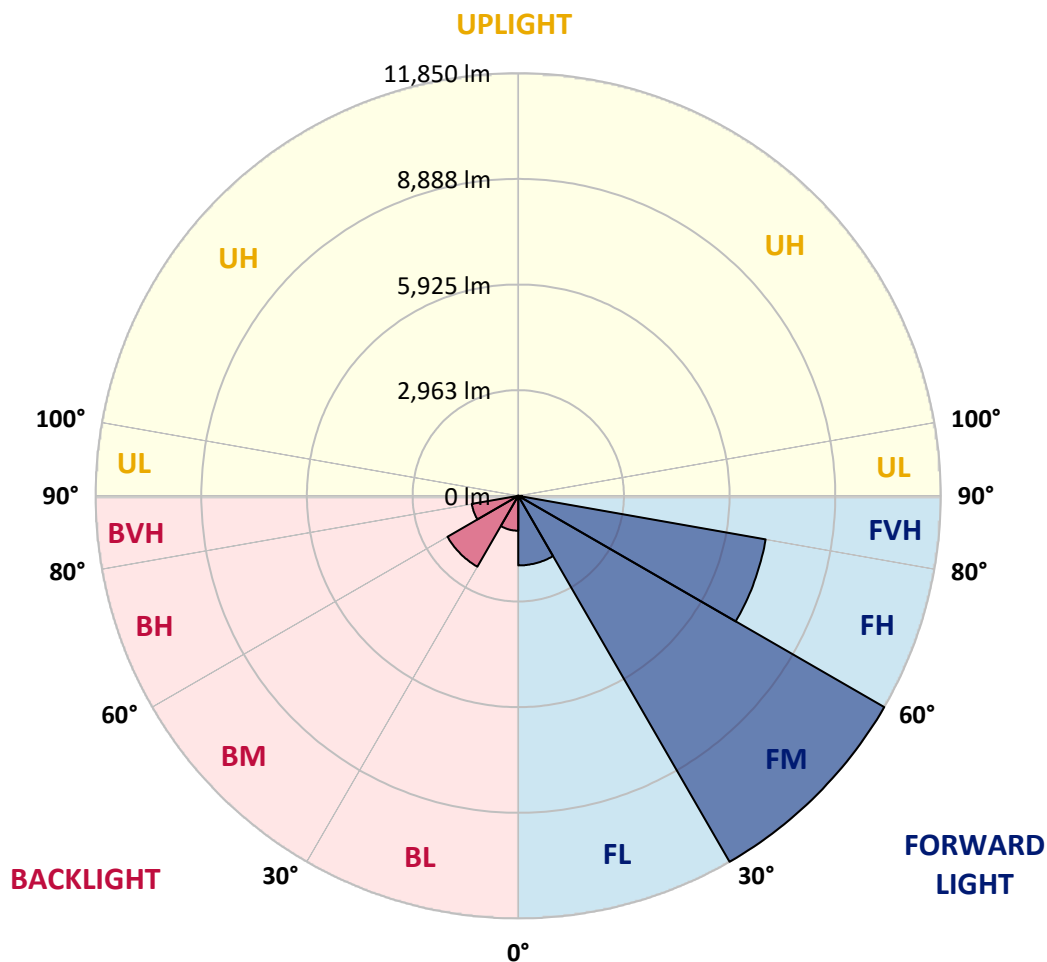


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1951.9	7.6			
FM (30°-60°)	11850.4	46.3			
FH (60°-80°)	7044.2	27.5			G3/7500
FVH (80°-90°)	104.8	0.4			G2/225
BL (0°-30°)	978.8	3.8	B2/1000		
BM (30°-60°)	2293.7	9.0	B2/2500		
BH (60°-80°)	1322.8	5.2	B3/2500		G3/2500
BVH (80°-90°)	39.3	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-G3
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4238.7	4238.7	4238.7	4238.7	4238.7	4238.7	4238.7	4238.7	4238.7	4238.7
2.5°	4480.1	4505.8	4491.1	4483.7	4470.8	4452.4	4437.7	4391.6	4343.7	4312.4
5°	4570.3	4596.1	4594.3	4601.6	4610.8	4616.4	4612.7	4561.1	4492.9	4439.5
7.5°	4492.9	4522.4	4546.4	4583.2	4647.7	4715.8	4749.0	4738.0	4667.9	4594.3
10°	4273.7	4305.1	4362.2	4448.7	4585.1	4732.4	4855.8	4913.0	4868.7	4787.7
12.5°	3872.2	3903.5	4015.8	4203.7	4432.2	4688.2	4924.0	5076.9	5088.0	5006.9
15°	3420.8	3452.1	3571.9	3807.7	4155.8	4566.6	4960.8	5250.1	5347.7	5277.7
17.5°	3140.8	3168.5	3258.7	3448.5	3811.4	4323.5	4948.0	5434.3	5657.2	5601.9
20°	3056.1	3080.0	3122.4	3255.0	3557.1	4071.1	4863.2	5607.4	5990.6	5959.3
22.5°	3146.4	3168.5	3181.4	3240.3	3430.0	3905.3	4756.4	5784.3	6377.4	6381.1
25°	3354.5	3376.6	3361.9	3398.7	3481.6	3853.7	4715.8	5992.4	6863.8	6904.3
27.5°	3697.1	3699.0	3664.0	3662.1	3675.0	3931.1	4758.2	6215.3	7477.2	7552.7
30°	4384.3	4356.6	4222.2	4076.6	4010.3	4163.2	4876.1	6478.8	8201.1	8335.6
32.5°	5443.5	5403.0	5156.1	4808.0	4457.9	4537.2	5088.0	6779.0	8989.6	9232.7
35°	6593.0	6581.9	6324.0	5806.4	5194.8	5069.5	5432.4	7173.2	9849.9	10236.7
37.5°	7661.4	7655.9	7508.5	6898.8	6154.5	5811.9	5985.1	7689.0	10770.9	11330.9
40°	8637.7	8654.3	8506.9	7961.7	7211.9	6764.3	6736.7	8326.4	11795.1	12522.8
42.5°	9481.4	9499.8	9350.6	8947.2	8256.4	7818.0	7659.6	9107.5	12795.4	13803.1
45°	10054.3	10168.5	10146.4	9824.1	9328.5	8873.5	8768.5	10087.5	13935.7	15160.7
47.5°	10216.4	10321.4	10487.2	10531.4	10229.3	9781.7	9907.0	11268.3	15088.9	16520.2
50°	9816.7	9914.3	10258.8	10717.5	10927.5	10789.3	11014.1	12533.8	16269.7	17876.0
52.5°	9028.3	9127.7	9562.5	10288.3	11144.9	11579.6	12124.9	13781.0	17413.6	19160.0
55°	7888.0	7993.0	8551.2	9372.7	10730.4	11905.7	13051.5	15026.2	18461.8	20315.0
57.5°	6336.9	6414.3	6994.6	8144.0	9687.7	11581.5	13734.9	16385.7	19449.2	21449.7
60°	4130.0	4198.2	4872.4	6154.5	7959.8	10498.3	13871.2	17901.8	20760.8	22925.3
62.5°	2746.6	2792.7	3192.4	4133.7	5605.6	8418.5	13073.6	19112.1	22684.0	25493.2
65°	1884.5	1930.5	2330.3	2986.1	3621.6	5568.8	10780.1	18951.8	24426.6	27532.4
67.5°	1344.8	1383.4	1722.4	2341.3	2621.3	3234.8	7307.7	16903.4	24176.1	27609.8
70°	963.4	985.5	1265.5	1823.7	2083.4	1943.4	4063.7	12928.0	21167.9	25495.0
72.5°	674.2	681.6	878.7	1389.0	1678.2	1418.4	1934.2	8619.3	16009.9	20011.0
75°	456.8	466.1	591.3	1018.7	1346.6	1083.2	1024.2	4621.9	9398.5	11076.7
77.5°	280.0	283.7	381.3	696.3	1007.6	825.3	659.5	1958.2	3636.4	3570.0
80°	158.4	158.4	243.2	432.9	687.1	532.4	462.4	832.6	1151.3	1011.3
82.5°	88.4	90.3	176.8	269.0	455.0	315.0	254.2	385.0	497.4	440.3
85°	36.8	40.5	108.7	127.1	217.4	156.6	103.2	162.1	184.2	163.9
87.5°	3.7	5.5	33.2	23.9	25.8	31.3	14.7	31.3	25.8	25.8
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°
4238.7	0°	4238.7	4238.7	4238.7	4238.7	4238.7	4238.7	4238.7	4238.7	4238.7	4238.7
4301.4	2.5°	4266.4	4238.7	4168.7	4087.7	3980.8	3929.3	3859.3	3811.4	3770.8	3774.5
4408.2	5°	4349.3	4279.3	4122.7	3927.4	3684.3	3511.1	3326.9	3199.8	3096.6	3074.5
4555.6	7.5°	4463.5	4352.9	4078.5	3726.6	3315.8	3004.5	2726.3	2547.7	2420.6	2380.0
4734.3	10°	4610.8	4450.6	4021.4	3474.3	2882.9	2486.9	2188.4	2048.4	1961.9	1932.4
4944.3	12.5°	4782.2	4562.9	3945.8	3166.6	2437.1	2055.8	1866.1	1796.1	1768.4	1759.2
5202.2	15°	4997.7	4703.0	3831.6	2801.9	2059.5	1792.4	1711.3	1702.1	1705.8	1702.1
5511.6	17.5°	5253.7	4855.8	3645.6	2426.1	1805.3	1657.9	1628.4	1635.8	1645.0	1643.2
5858.0	20°	5533.7	5006.9	3407.9	2092.7	1632.1	1562.1	1545.5	1552.9	1560.3	1556.6
6257.7	22.5°	5852.4	5169.0	3144.5	1832.9	1516.1	1473.7	1455.3	1457.1	1457.1	1449.8
6764.3	25°	6233.8	5347.7	2868.2	1648.7	1427.6	1394.5	1372.4	1365.0	1354.0	1331.9
7379.6	27.5°	6688.8	5537.4	2602.9	1519.8	1357.6	1326.3	1300.5	1282.1	1254.5	1217.6
8118.3	30°	7200.9	5767.7	2378.2	1438.7	1302.4	1271.1	1241.6	1214.0	1173.4	1127.4
8967.5	32.5°	7803.3	6014.5	2214.2	1385.3	1252.6	1219.5	1184.5	1151.3	1107.1	1061.1
9921.7	35°	8521.7	6313.0	2118.4	1348.4	1214.0	1169.8	1131.1	1094.2	1061.1	1020.5
10958.8	37.5°	9300.9	6629.8	2089.0	1330.0	1188.2	1120.0	1075.8	1050.0	1046.3	1022.4
12080.7	40°	10153.8	7005.6	2111.1	1319.0	1160.5	1072.1	1024.2	1018.7	1027.9	985.5
13279.9	42.5°	11056.4	7451.4	2147.9	1306.1	1121.9	1024.2	978.2	978.2	970.8	911.9
14547.3	45°	12032.8	7965.4	2184.8	1274.8	1075.8	976.3	941.3	928.4	897.1	840.0
15822.0	47.5°	13016.5	8488.5	2212.4	1217.6	1020.5	935.8	904.5	875.0	829.0	777.4
17072.8	50°	13950.4	8958.3	2182.9	1132.9	957.9	897.1	864.0	823.4	773.7	738.7
18257.3	52.5°	14784.9	9365.4	2057.7	1033.4	891.6	856.6	827.1	784.7	744.2	707.4
19325.8	55°	15510.7	9695.1	1836.6	939.5	832.6	821.6	792.1	738.7	683.4	652.1
20385.0	57.5°	16207.0	9945.6	1560.3	862.1	779.2	782.9	738.7	690.8	639.2	606.1
21812.6	60°	17133.6	10280.9	1280.3	790.3	722.1	733.2	685.3	650.3	585.8	543.4
24260.8	62.5°	18614.7	10802.2	1016.9	701.9	655.8	659.5	639.2	596.8	519.5	469.7
26075.3	65°	19790.0	10610.7	801.3	606.1	580.3	585.8	585.8	539.7	456.8	399.7
26172.9	67.5°	19657.3	9085.4	639.2	512.1	508.4	512.1	525.0	486.3	405.3	359.2
24179.8	70°	18108.1	7226.7	512.1	425.5	442.1	432.9	469.7	444.0	364.7	318.7
18745.5	72.5°	14775.7	5205.9	390.5	351.8	339.0	353.7	423.7	399.7	304.0	252.4
9929.1	75°	8634.0	2777.9	291.1	278.2	245.0	294.7	375.8	340.8	232.1	186.1
3043.2	77.5°	2811.1	969.0	213.7	204.5	182.4	237.6	320.5	287.4	189.7	147.4
891.6	80°	753.4	292.9	145.5	134.5	117.9	176.8	254.2	228.4	136.3	95.8
383.2	82.5°	302.1	123.4	84.7	75.5	64.5	121.6	200.8	184.2	101.3	60.8
119.7	85°	97.6	40.5	31.3	23.9	29.5	75.5	119.7	125.3	71.8	31.3
18.4	87.5°	12.9	5.5	5.5	7.4	5.5	12.9	36.8	35.0	20.3	3.7
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°
4238.7
3737.7
3024.8
2339.5
1910.3
1753.7
1700.3
1639.5
1554.8
1446.1
1328.2
1214.0
1123.7
1062.9
1016.9
1020.5
987.4
911.9
838.2
775.5
733.2
703.7
648.4
602.4
537.9
466.1
394.2
351.8
313.2
246.8
180.5
141.8
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