

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: P850635

Luminaire Tested: **GLAN-SB8B-727-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850635
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-SB8B-727-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2700K, 450mA 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: 29569 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

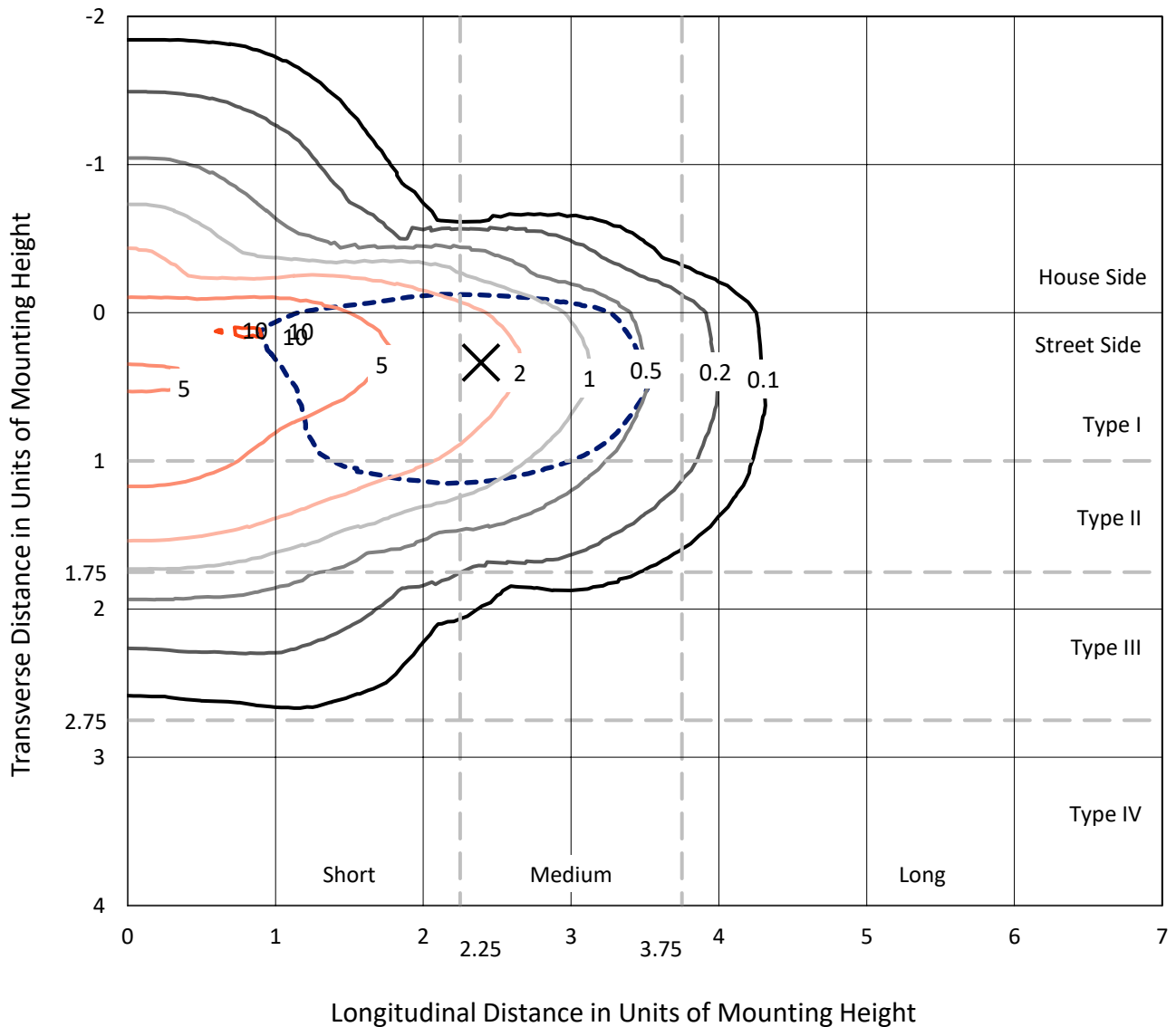
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

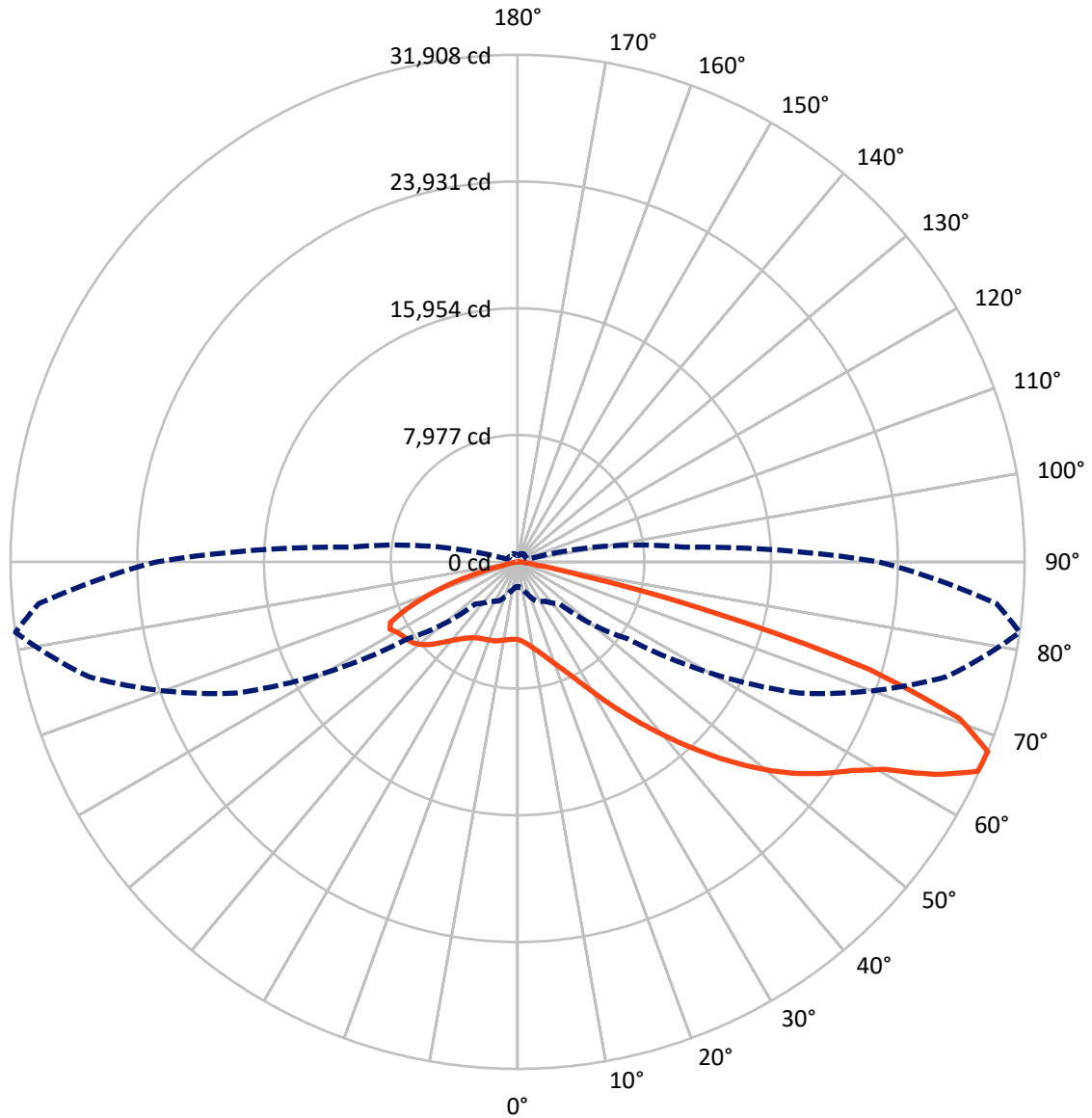
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.4 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	5356.2	0.0	5356.2
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	24212.8	0.0	24212.8
	% Fixture	81.9	0.0	81.9
Total	Lumens	29569.0	0.0	29569.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	436.4	1.5
10°-20°	1134.1	3.8
20°-30°	1816.5	6.1
30°-40°	3212.1	10.9
40°-50°	5627.9	19.0
50°-60°	7506.0	25.4
60°-70°	6987.7	23.6
70°-80°	2681.9	9.1
80°-90°	166.6	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°	29569.0	100.0
0°-180°	29569.0	100.0

Coefficient of Utilization

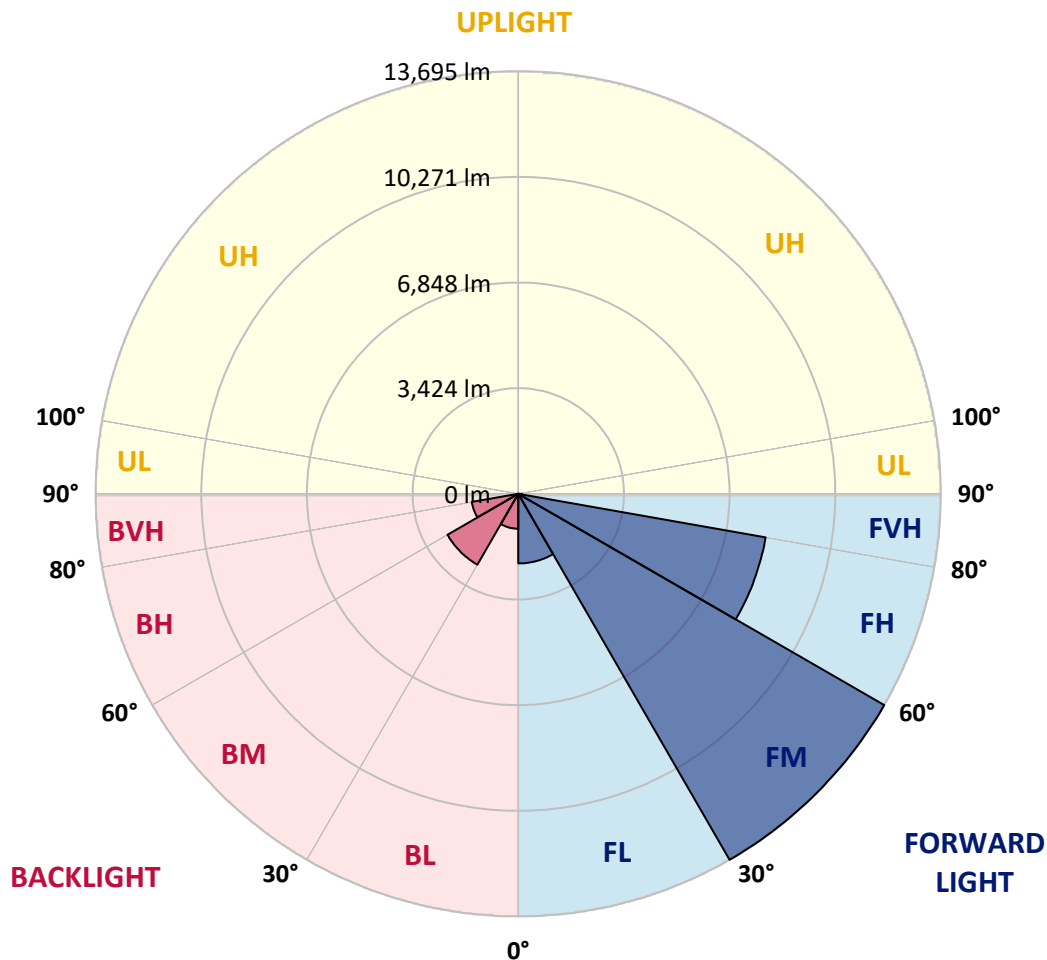


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2255.8	7.6			
FM (30°-60°)	13695.1	46.3			
FH (60°-80°)	8140.8	27.5			G4/12000
FVH (80°-90°)	121.1	0.4			G2/225
BL (0°-30°)	1131.2	3.8	B3/2500		
BM (30°-60°)	2650.7	9.0	B3/5000		
BH (60°-80°)	1528.7	5.2	B3/2500		G3/2500
BVH (80°-90°)	45.5	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-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4898.6	4898.6	4898.6	4898.6	4898.6	4898.6	4898.6	4898.6	4898.6	4898.6
2.5°	5177.5	5207.3	5190.2	5181.7	5166.8	5145.5	5128.5	5075.3	5019.9	4983.7
5°	5281.8	5311.6	5309.5	5318.0	5328.6	5335.0	5330.7	5271.1	5192.4	5130.6
7.5°	5192.4	5226.4	5254.1	5296.7	5371.2	5450.0	5488.3	5475.5	5394.6	5309.5
10°	4939.0	4975.2	5041.2	5141.3	5298.8	5469.1	5611.8	5677.8	5626.7	5533.0
12.5°	4474.9	4511.1	4641.0	4858.1	5122.1	5418.0	5690.5	5867.2	5880.0	5786.3
15°	3953.4	3989.5	4127.9	4400.4	4802.8	5277.5	5733.1	6067.3	6180.2	6099.3
17.5°	3629.8	3661.7	3766.0	3985.3	4404.7	4996.5	5718.2	6280.2	6537.8	6474.0
20°	3531.8	3559.5	3608.5	3761.8	4110.9	4704.9	5620.3	6480.4	6923.2	6887.0
22.5°	3636.1	3661.7	3676.6	3744.7	3964.0	4513.3	5496.8	6684.7	7370.2	7374.5
25°	3876.7	3902.3	3885.2	3927.8	4023.6	4453.6	5450.0	6925.3	7932.3	7979.1
27.5°	4272.7	4274.8	4234.4	4232.2	4247.1	4543.1	5498.9	7182.9	8641.2	8728.5
30°	5066.8	5034.8	4879.4	4711.2	4634.6	4811.3	5635.2	7487.3	9477.8	9633.2
32.5°	6290.9	6244.0	5958.8	5556.4	5151.9	5243.5	5880.0	7834.3	10389.0	10670.0
35°	7619.3	7606.5	7308.5	6710.3	6003.5	5858.7	6278.1	8289.9	11383.2	11830.3
37.5°	8854.1	8847.7	8677.4	7972.7	7112.6	6716.7	6916.8	8886.0	12447.6	13094.8
40°	9982.4	10001.5	9831.2	9201.1	8334.6	7817.3	7785.4	9622.6	13631.3	14472.2
42.5°	10957.4	10978.7	10806.3	10340.0	9541.7	9035.0	8851.9	10525.2	14787.3	15951.8
45°	11619.5	11751.5	11725.9	11353.4	10780.7	10254.9	10133.5	11657.8	16105.1	17520.8
47.5°	11806.8	11928.2	12119.8	12170.9	11821.7	11304.4	11449.2	13022.4	17437.8	19091.9
50°	11344.9	11457.7	11855.8	12385.9	12628.6	12468.9	12728.7	14485.0	18802.4	20658.8
52.5°	10433.7	10548.7	11051.1	11889.9	12879.8	13382.2	14012.4	15926.2	20124.4	22142.6
55°	9115.9	9237.3	9882.3	10831.8	12400.8	13759.0	15083.2	17365.4	21335.8	23477.4
57.5°	7323.4	7412.8	8083.4	9411.8	11195.8	13384.3	15873.0	18936.5	22476.9	24788.8
60°	4773.0	4851.7	5630.9	7112.6	9198.9	12132.6	16030.6	20688.6	23992.6	26494.1
62.5°	3174.2	3227.4	3689.4	4777.2	6478.2	9729.0	15108.8	22087.3	26215.2	29461.7
65°	2177.9	2231.1	2693.0	3450.9	4185.4	6435.6	12458.3	21902.1	28229.1	31818.4
67.5°	1554.1	1598.8	1990.5	2705.8	3029.4	3738.3	8445.3	19534.7	27939.6	31907.8
70°	1113.4	1139.0	1462.5	2107.6	2407.8	2246.0	4696.3	14940.6	24463.1	29463.9
72.5°	779.2	787.7	1015.5	1605.2	1939.4	1639.2	2235.3	9961.1	18502.2	23126.2
75°	528.0	538.6	683.4	1177.3	1556.2	1251.8	1183.7	5341.4	10861.6	12801.0
77.5°	323.6	327.8	440.7	804.7	1164.5	953.7	762.1	2263.0	4202.4	4125.8
80°	183.1	183.1	281.0	500.3	794.1	615.3	534.4	962.3	1330.6	1168.8
82.5°	102.2	104.3	204.4	310.8	525.8	364.0	293.8	444.9	574.8	508.8
85°	42.6	46.8	125.6	146.9	251.2	181.0	119.2	187.3	212.9	189.5
87.5°	4.3	6.4	38.3	27.7	29.8	36.2	17.0	36.2	29.8	29.8
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°
4898.6	0°	4898.6	4898.6	4898.6	4898.6	4898.6	4898.6	4898.6	4898.6	4898.6	4898.6
4971.0	2.5°	4930.5	4898.6	4817.7	4724.0	4600.5	4540.9	4460.0	4404.7	4357.8	4362.1
5094.4	5°	5026.3	4945.4	4764.5	4538.8	4257.8	4057.7	3844.8	3697.9	3578.7	3553.1
5264.8	7.5°	5158.3	5030.6	4713.4	4306.8	3832.0	3472.2	3150.8	2944.3	2797.4	2750.5
5471.3	10°	5328.6	5143.4	4647.4	4015.1	3331.7	2874.0	2529.1	2367.3	2267.3	2233.2
5713.9	12.5°	5526.6	5273.3	4560.1	3659.6	2816.5	2375.8	2156.6	2075.7	2043.7	2033.1
6012.0	15°	5775.7	5435.1	4428.1	3238.0	2380.1	2071.4	1977.7	1967.1	1971.4	1967.1
6369.6	17.5°	6071.6	5611.8	4213.1	2803.8	2086.3	1916.0	1881.9	1890.5	1901.1	1899.0
6769.9	20°	6395.2	5786.3	3938.5	2418.4	1886.2	1805.3	1786.1	1794.7	1803.2	1798.9
7231.8	22.5°	6763.5	5973.7	3634.0	2118.2	1752.1	1703.1	1681.8	1684.0	1684.0	1675.4
7817.3	25°	7204.2	6180.2	3314.7	1905.4	1649.9	1611.6	1586.0	1577.5	1564.7	1539.2
8528.3	27.5°	7730.0	6399.5	3008.1	1756.3	1569.0	1532.8	1503.0	1481.7	1449.8	1407.2
9382.0	30°	8321.8	6665.6	2748.4	1662.7	1505.1	1468.9	1434.9	1402.9	1356.1	1302.9
10363.5	32.5°	9018.0	6950.8	2558.9	1600.9	1447.6	1409.3	1368.9	1330.6	1279.5	1226.2
11466.2	35°	9848.3	7295.7	2448.2	1558.3	1402.9	1351.8	1307.1	1264.6	1226.2	1179.4
12664.8	37.5°	10748.8	7661.9	2414.2	1537.1	1373.1	1294.4	1243.3	1213.5	1209.2	1181.5
13961.3	40°	11734.5	8096.2	2439.7	1524.3	1341.2	1239.0	1183.7	1177.3	1187.9	1139.0
15347.2	42.5°	12777.6	8611.4	2482.3	1509.4	1296.5	1183.7	1130.4	1130.4	1121.9	1053.8
16811.9	45°	13905.9	9205.3	2524.9	1473.2	1243.3	1128.3	1087.9	1073.0	1036.8	970.8
18285.1	47.5°	15042.8	9809.9	2556.8	1407.2	1179.4	1081.5	1045.3	1011.2	958.0	898.4
19730.6	50°	16122.1	10352.8	2522.7	1309.3	1107.0	1036.8	998.5	951.6	894.1	853.7
21099.5	52.5°	17086.5	10823.3	2378.0	1194.3	1030.4	989.9	955.9	906.9	860.1	817.5
22334.2	55°	17925.3	11204.4	2122.5	1085.7	962.3	949.5	915.4	853.7	789.8	753.6
23558.3	57.5°	18730.0	11493.9	1803.2	996.3	900.5	904.8	853.7	798.3	738.7	700.4
25208.2	60°	19800.8	11881.4	1479.6	913.3	834.5	847.3	791.9	751.5	677.0	628.0
28037.5	62.5°	21512.5	12483.8	1175.1	811.1	757.9	762.1	738.7	689.8	600.3	542.9
30134.5	65°	22870.7	12262.4	926.1	700.4	670.6	677.0	677.0	623.8	528.0	462.0
30247.3	67.5°	22717.4	10499.7	738.7	591.8	587.6	591.8	606.7	562.0	468.4	415.1
27943.8	70°	20927.0	8351.6	591.8	491.8	510.9	500.3	542.9	513.1	421.5	368.3
21663.6	72.5°	17075.9	6016.3	451.3	406.6	391.7	408.7	489.6	462.0	351.3	291.7
11474.7	75°	9978.1	3210.4	336.4	321.5	283.1	340.6	434.3	393.8	268.2	215.0
3516.9	77.5°	3248.7	1119.8	247.0	236.3	210.8	274.6	370.4	332.1	219.3	170.3
1030.4	80°	870.7	338.5	168.2	155.4	136.2	204.4	293.8	264.0	157.5	110.7
442.8	82.5°	349.1	142.6	97.9	87.3	74.5	140.5	232.0	212.9	117.1	70.3
138.4	85°	112.8	46.8	36.2	27.7	34.1	87.3	138.4	144.8	83.0	36.2
21.3	87.5°	14.9	6.4	6.4	8.5	6.4	14.9	42.6	40.4	23.4	4.3
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>
4898.6
4319.5
3495.6
2703.7
2207.7
2026.7
1965.0
1894.7
1796.8
1671.2
1534.9
1402.9
1298.6
1228.4
1175.1
1179.4
1141.1
1053.8
968.6
896.3
847.3
813.2
749.4
696.1
621.6
538.6
455.6
406.6
361.9
285.3
208.6
163.9
108.6
70.3
27.7
0.0
0.0

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