

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: P851655

Luminaire Tested: **GLAN-SB9D-727-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851655
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-SB9D-727-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2700K, 900mA 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: 60191 lumens
Efficiency: N/A
Efficacy: 91.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

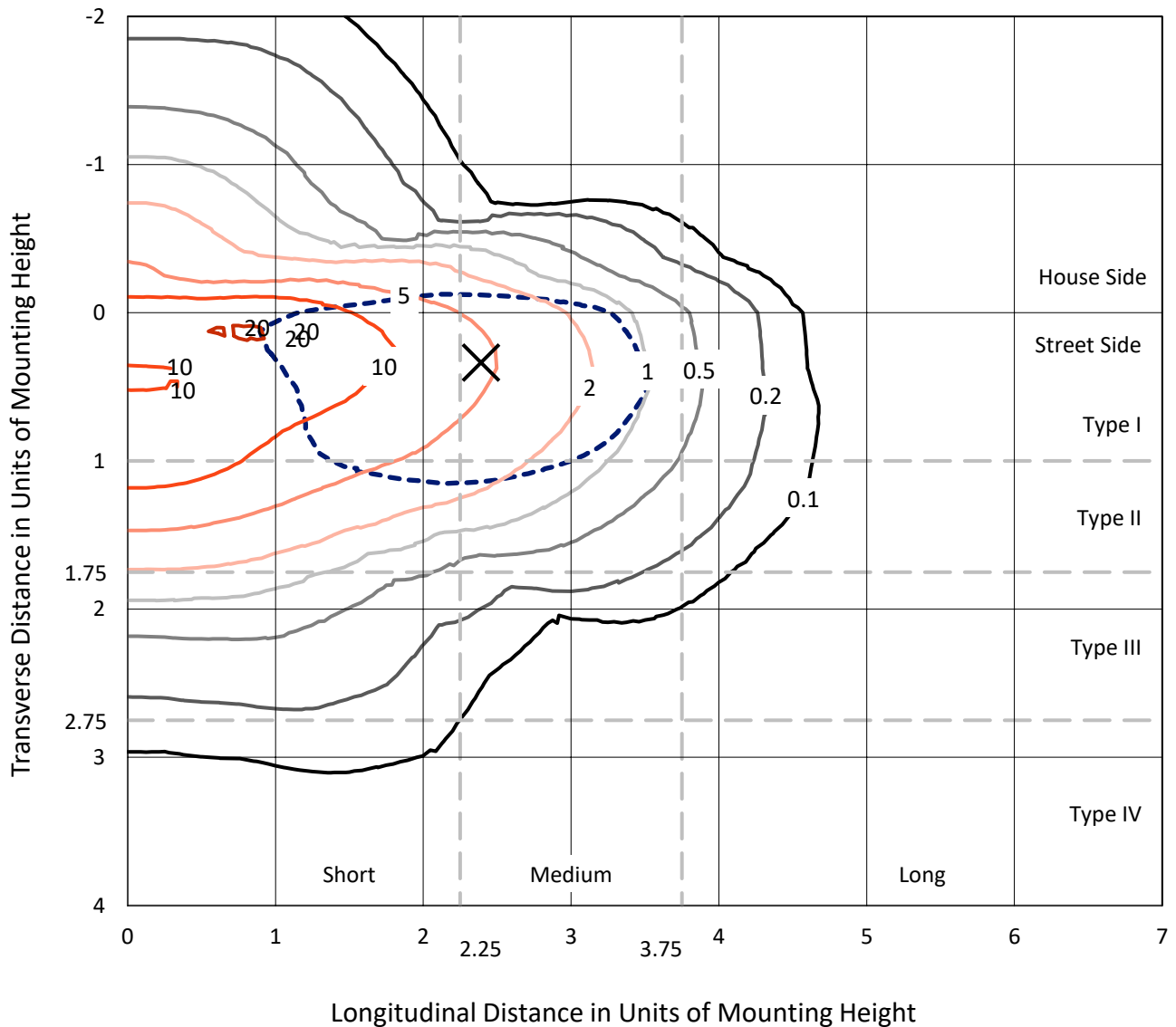
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

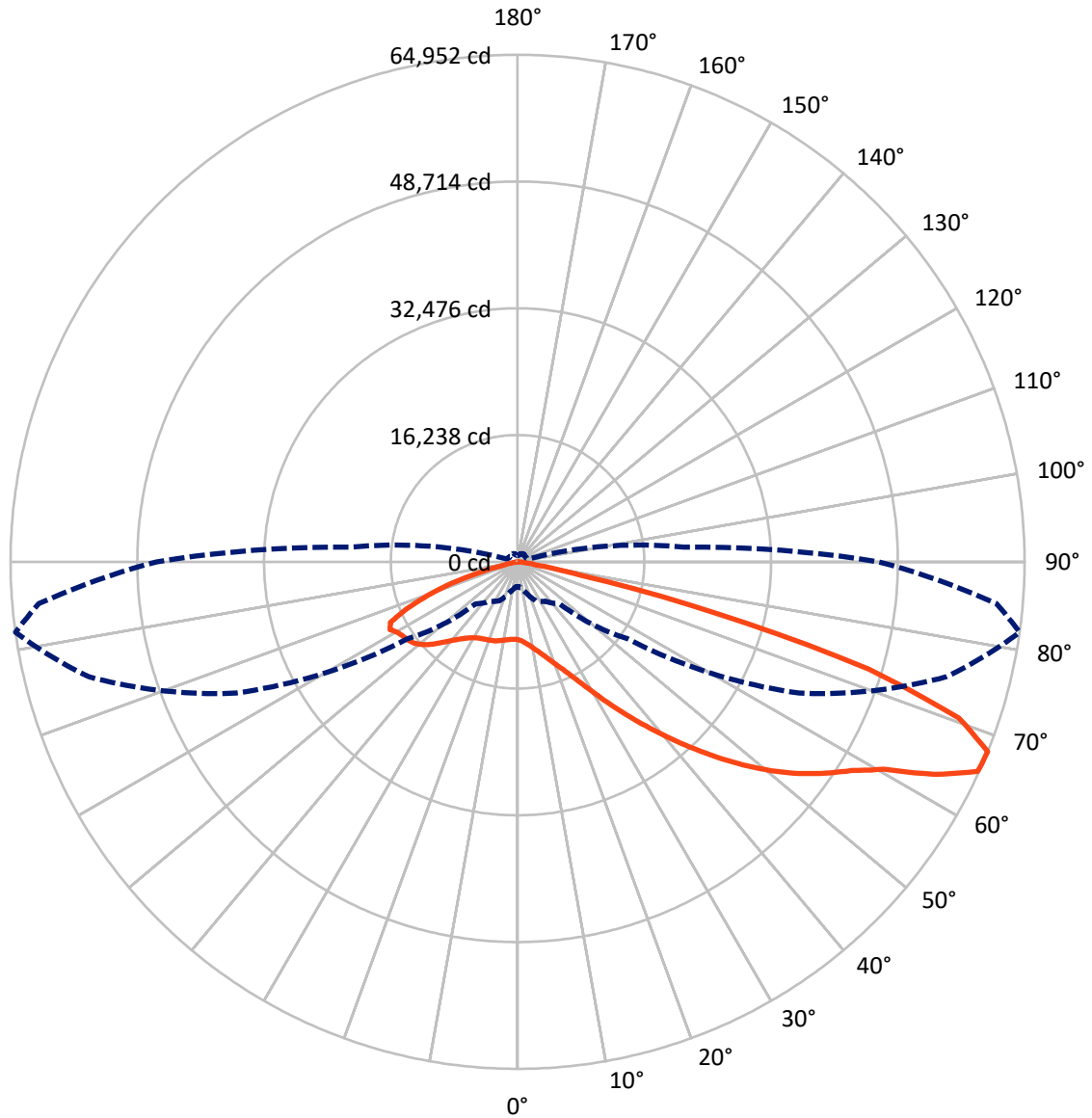
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21.1 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	10903.1	0.0	10903.1
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	49287.9	0.0	49287.9
	% Fixture	81.9	0.0	81.9
Total	Lumens	60191.0	0.0	60191.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	888.4	1.5
10°-20°	2308.6	3.8
20°-30°	3697.6	6.1
30°-40°	6538.5	10.9
40°-50°	11456.1	19.0
50°-60°	15279.3	25.4
60°-70°	14224.2	23.6
70°-80°	5459.2	9.1
80°-90°	339.1	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°	60191.0	100.0
0°-180°	60191.0	100.0

Coefficient of Utilization

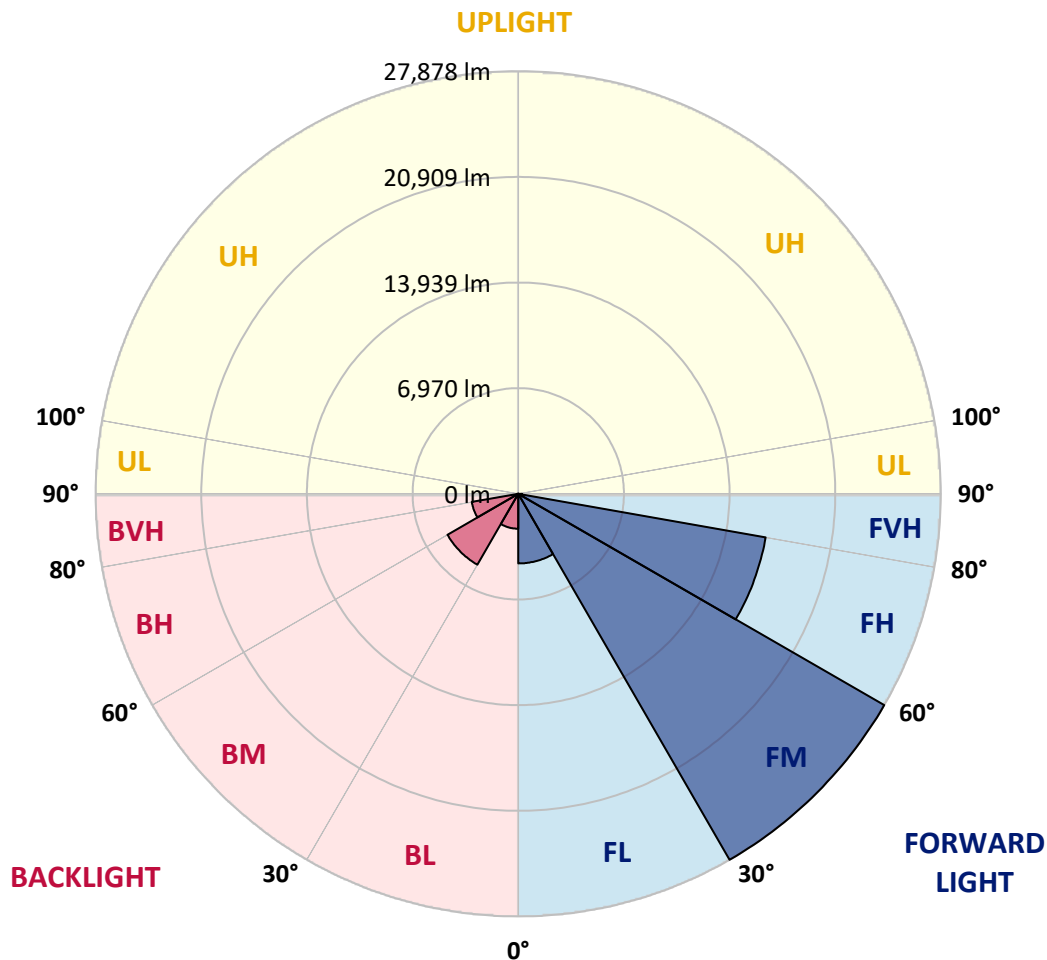


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4591.9	7.6			
FM (30°-60°)	27878.0	46.3			
FH (60°-80°)	16571.5	27.5			G5
FVH (80°-90°)	246.5	0.4			G3/500
BL (0°-30°)	2302.7	3.8	B3/2500		
BM (30°-60°)	5395.9	9.0	B4/8500		
BH (60°-80°)	3111.9	5.2	B4/5000		G4/5000
BVH (80°-90°)	92.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	9971.6	9971.6	9971.6	9971.6	9971.6	9971.6	9971.6	9971.6	9971.6	9971.6
2.5°	10539.3	10600.0	10565.3	10548.0	10517.6	10474.3	10439.6	10331.3	10218.6	10145.0
5°	10751.7	10812.3	10808.0	10825.3	10847.0	10860.0	10851.3	10730.0	10569.6	10444.0
7.5°	10569.6	10639.0	10695.3	10782.0	10933.7	11094.0	11172.0	11146.0	10981.3	10808.0
10°	10054.0	10127.6	10262.0	10465.6	10786.3	11133.0	11423.4	11557.7	11453.7	11263.0
12.5°	9109.2	9182.9	9447.2	9889.3	10426.6	11029.0	11583.7	11943.4	11969.4	11778.7
15°	8047.5	8121.2	8402.8	8957.5	9776.6	10743.0	11670.4	12350.8	12580.4	12415.8
17.5°	7388.8	7453.8	7666.1	8112.5	8966.2	10171.0	11640.0	12784.1	13308.5	13178.5
20°	7189.4	7245.8	7345.5	7657.5	8368.2	9577.3	11440.7	13191.5	14092.9	14019.2
22.5°	7401.8	7453.8	7484.1	7622.8	8069.2	9187.2	11189.4	13607.5	15002.9	15011.6
25°	7891.5	7943.5	7908.8	7995.5	8190.5	9065.9	11094.0	14097.2	16147.0	16242.3
27.5°	8697.5	8701.9	8619.5	8615.2	8645.5	9247.9	11193.7	14621.6	17590.1	17767.8
30°	10314.0	10249.0	9932.6	9590.3	9434.2	9793.9	11471.0	15241.3	19293.2	19609.5
32.5°	12805.8	12710.4	12129.7	11310.7	10487.3	10673.7	11969.4	15947.6	21148.0	21720.0
35°	15510.0	15483.9	14877.2	13659.5	12220.7	11926.1	12779.8	16875.0	23171.8	24081.8
37.5°	18023.4	18010.4	17663.8	16229.3	14478.6	13672.5	14079.9	18088.4	25338.6	26656.0
40°	20320.2	20359.2	20012.6	18729.8	16966.0	15913.0	15848.0	19587.9	27748.0	29459.8
42.5°	22305.0	22348.4	21997.3	21048.3	19423.2	18391.8	18019.1	21425.3	30101.2	32471.7
45°	23652.8	23921.5	23869.5	23111.1	21945.3	20874.9	20627.9	23730.8	32783.7	35665.5
47.5°	24034.1	24281.2	24671.2	24775.2	24064.5	23011.4	23306.1	26508.6	35496.5	38863.7
50°	23093.8	23323.4	24133.8	25212.9	25706.9	25381.9	25910.6	29485.8	38274.3	42053.2
52.5°	21239.0	21473.0	22495.7	24203.2	26218.3	27241.0	28523.7	32419.7	40965.5	45073.8
55°	18556.5	18803.5	20116.6	22049.4	25243.2	28008.1	30703.6	35349.2	43431.3	47790.9
57.5°	14907.6	15089.6	16454.7	19158.8	22790.4	27245.3	32311.3	38547.4	45754.1	50460.4
60°	9715.9	9876.3	11462.4	14478.6	18725.5	24697.2	32632.0	42113.9	48839.7	53931.6
62.5°	6461.4	6569.7	7510.1	9724.6	13187.1	19804.5	30755.6	44961.1	53363.9	59972.7
65°	4433.3	4541.6	5482.0	7024.8	8519.9	13100.5	25360.2	44584.1	57463.5	64770.0
67.5°	3163.5	3254.5	4051.9	5508.0	6166.7	7609.8	17191.4	39765.1	56874.2	64952.0
70°	2266.5	2318.5	2977.2	4290.3	4901.3	4571.9	9559.9	30413.2	49797.4	59977.0
72.5°	1586.1	1603.4	2067.1	3267.5	3947.9	3336.9	4550.3	20276.9	37663.3	47075.9
75°	1074.7	1096.4	1391.1	2396.5	3167.9	2548.2	2409.5	10873.0	22110.0	26057.9
77.5°	658.7	667.4	897.1	1638.1	2370.5	1941.5	1551.4	4606.6	8554.5	8398.5
80°	372.7	372.7	572.0	1018.4	1616.4	1252.4	1087.7	1958.8	2708.5	2379.1
82.5°	208.0	212.3	416.0	632.7	1070.4	741.0	598.0	905.7	1170.1	1035.7
85°	86.7	95.3	255.7	299.0	511.4	368.4	242.7	381.4	433.4	385.7
87.5°	8.7	13.0	78.0	56.3	60.7	73.7	34.7	73.7	60.7	60.7
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°
9971.6	0°	9971.6	9971.6	9971.6	9971.6	9971.6	9971.6	9971.6	9971.6	9971.6	9971.6
10119.0	2.5°	10036.6	9971.6	9806.9	9616.3	9364.9	9243.6	9078.9	8966.2	8870.9	8879.5
10370.3	5°	10231.6	10067.0	9698.6	9239.2	8667.2	8259.8	7826.5	7527.5	7284.8	7232.8
10717.0	7.5°	10500.3	10240.3	9594.6	8766.9	7800.5	7068.1	6413.7	5993.4	5694.3	5599.0
11137.3	10°	10847.0	10470.0	9460.2	8173.2	6782.1	5850.4	5148.3	4819.0	4615.3	4545.9
11631.4	12.5°	11250.0	10734.3	9282.6	7449.5	5733.4	4836.3	4389.9	4225.3	4160.3	4138.6
12238.1	15°	11757.1	11063.7	9013.9	6591.4	4845.0	4216.6	4025.9	4004.2	4012.9	4004.2
12966.1	17.5°	12359.4	11423.4	8576.2	5707.4	4246.9	3900.2	3830.9	3848.2	3869.9	3865.6
13780.8	20°	13018.1	11778.7	8017.2	4923.0	3839.6	3674.9	3635.9	3653.2	3670.6	3661.9
14721.2	22.5°	13767.8	12160.1	7397.5	4311.9	3566.6	3466.9	3423.5	3427.9	3427.9	3410.5
15913.0	25°	14664.9	12580.4	6747.4	3878.6	3358.5	3280.5	3228.5	3211.2	3185.2	3133.2
17360.4	27.5°	15735.3	13026.8	6123.4	3575.2	3193.9	3120.2	3059.5	3016.2	2951.2	2864.5
19098.2	30°	16940.0	13568.5	5594.7	3384.5	3063.9	2990.2	2920.8	2855.8	2760.5	2652.2
21096.0	32.5°	18357.1	14149.2	5209.0	3258.9	2946.8	2868.8	2786.5	2708.5	2604.5	2496.2
23340.8	35°	20047.2	14851.2	4983.6	3172.2	2855.8	2751.8	2660.8	2574.2	2496.2	2400.8
25780.6	37.5°	21880.3	15596.6	4914.3	3128.9	2795.2	2634.8	2530.8	2470.2	2461.5	2405.1
28419.7	40°	23886.8	16480.7	4966.3	3102.9	2730.2	2522.2	2409.5	2396.5	2418.1	2318.5
31240.9	42.5°	26010.3	17529.4	5053.0	3072.5	2639.2	2409.5	2301.1	2301.1	2283.8	2145.1
34222.4	45°	28307.1	18738.5	5139.6	2998.9	2530.8	2296.8	2214.5	2184.1	2110.5	1976.1
37221.3	47.5°	30621.2	19969.2	5204.7	2864.5	2400.8	2201.5	2127.8	2058.5	1950.1	1828.8
40163.8	50°	32818.3	21074.3	5135.3	2665.2	2253.5	2110.5	2032.5	1937.1	1820.1	1737.8
42950.3	52.5°	34781.5	22032.0	4840.6	2431.1	2097.5	2015.1	1945.8	1846.1	1750.8	1664.1
45463.8	55°	36488.9	22807.7	4320.6	2210.1	1958.8	1932.8	1863.4	1737.8	1607.8	1534.1
47955.6	57.5°	38127.0	23397.1	3670.6	2028.1	1833.1	1841.8	1737.8	1625.1	1503.8	1425.8
51314.1	60°	40306.8	24185.8	3011.9	1859.1	1698.8	1724.8	1612.1	1529.8	1378.1	1278.4
57073.5	62.5°	43791.0	25412.2	2392.1	1651.1	1542.8	1551.4	1503.8	1404.1	1222.1	1105.1
61342.1	65°	46555.9	24961.5	1885.1	1425.8	1365.1	1378.1	1378.1	1269.7	1074.7	940.4
61571.8	67.5°	46243.8	21373.3	1503.8	1204.7	1196.1	1204.7	1235.1	1144.1	953.4	845.1
56882.8	70°	42599.3	17000.7	1204.7	1001.1	1040.1	1018.4	1105.1	1044.4	858.1	749.7
44098.7	72.5°	34759.8	12246.8	918.7	827.7	797.4	832.1	996.7	940.4	715.0	593.7
23358.1	75°	20311.6	6535.1	684.7	654.4	576.4	693.4	884.1	801.7	546.0	437.7
7159.1	77.5°	6613.1	2279.5	502.7	481.0	429.0	559.0	754.0	676.0	446.4	346.7
2097.5	80°	1772.4	689.0	342.4	316.4	277.4	416.0	598.0	537.4	320.7	225.3
901.4	82.5°	710.7	290.4	199.3	177.7	151.7	286.0	472.4	433.4	238.3	143.0
281.7	85°	229.7	95.3	73.7	56.3	69.3	177.7	281.7	294.7	169.0	73.7
43.3	87.5°	30.3	13.0	13.0	17.3	13.0	30.3	86.7	82.3	47.7	8.7
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

<u>180°</u>
9971.6
8792.9
7115.8
5503.7
4493.9
4125.6
3999.9
3856.9
3657.6
3401.9
3124.5
2855.8
2643.5
2500.5
2392.1
2400.8
2322.8
2145.1
1971.8
1824.4
1724.8
1655.4
1525.4
1417.1
1265.4
1096.4
927.4
827.7
736.7
580.7
424.7
333.7
221.0
143.0
56.3
0.0
0.0

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