

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: P851376

Luminaire Tested: **GLAN-SB9B-827-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851376
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9B-827-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40519 lumens
Efficiency: N/A
Efficacy: 123.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

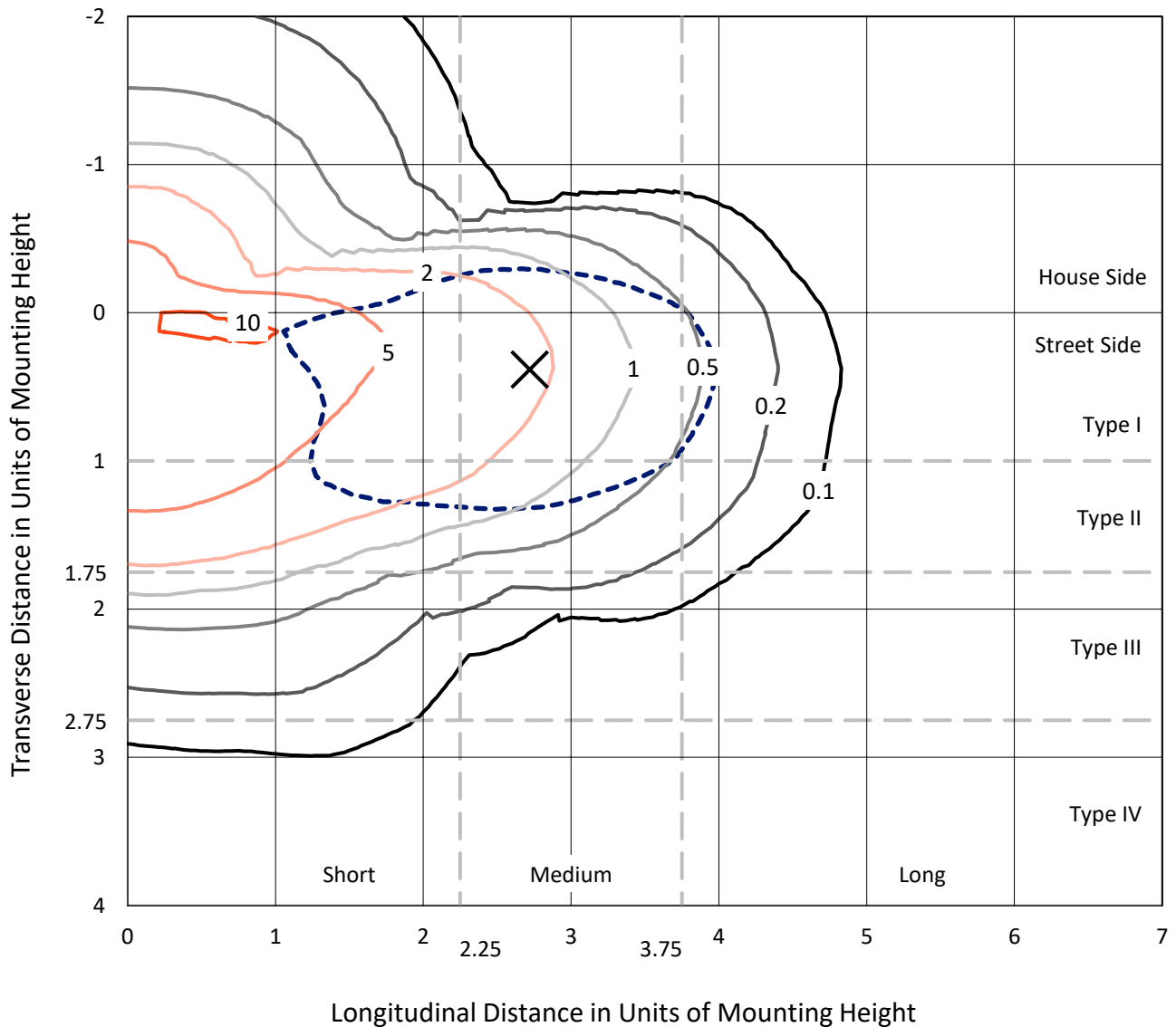
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

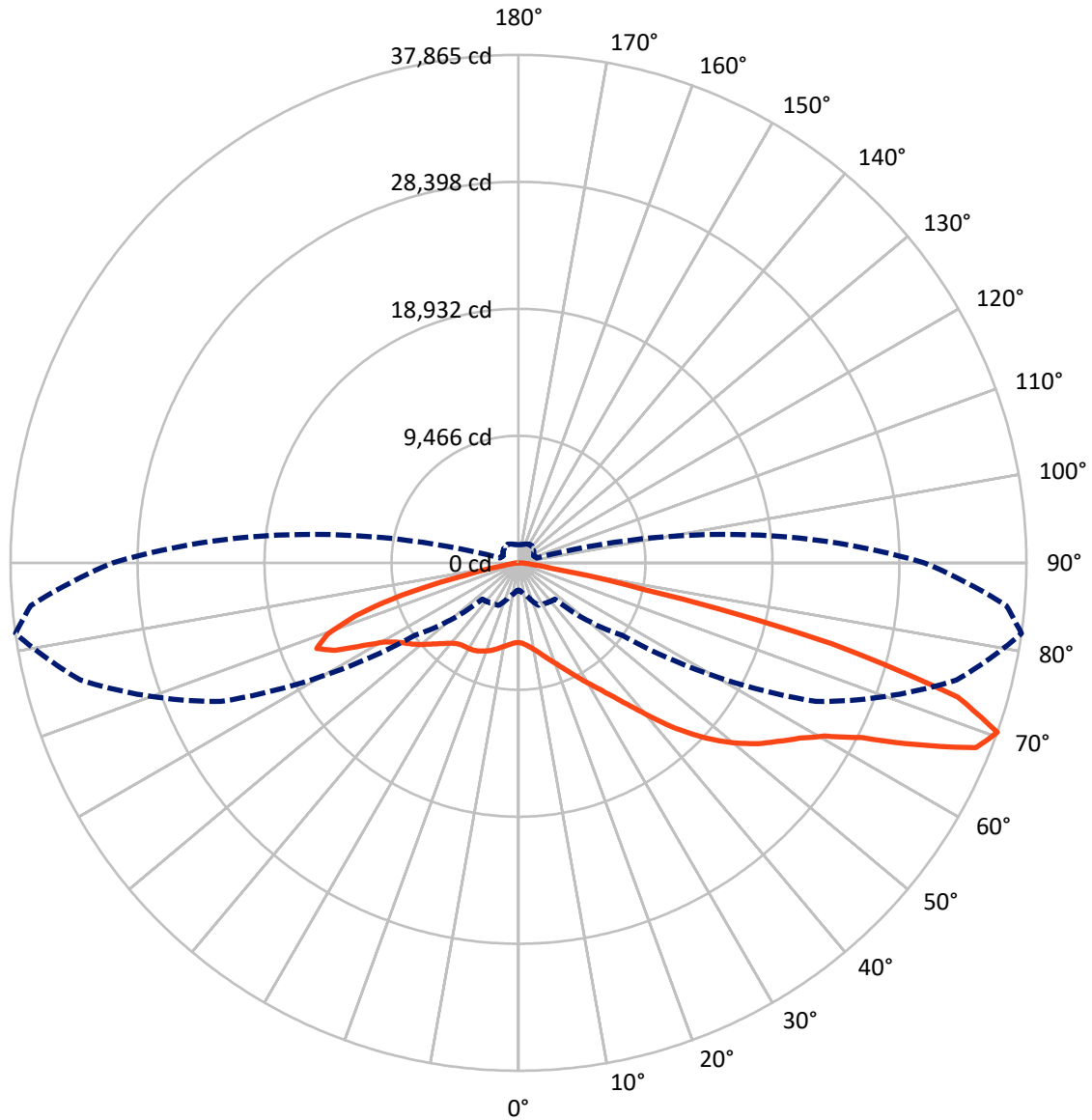
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.8 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9988.9	0.0	9988.9
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	30530.1	0.0	30530.1
	% Fixture	75.3	0.0	75.3
Total	Lumens	40519.0	0.0	40519.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	560.9	1.4
10°-20°	1611.5	4.0
20°-30°	2695.9	6.7
30°-40°	4211.6	10.4
40°-50°	6707.5	16.6
50°-60°	9334.3	23.0
60°-70°	9764.1	24.1
70°-80°	5103.3	12.6
80°-90°	529.9	1.3
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°	40519.0	100.0
0°-180°	40519.0	100.0

Coefficient of Utilization

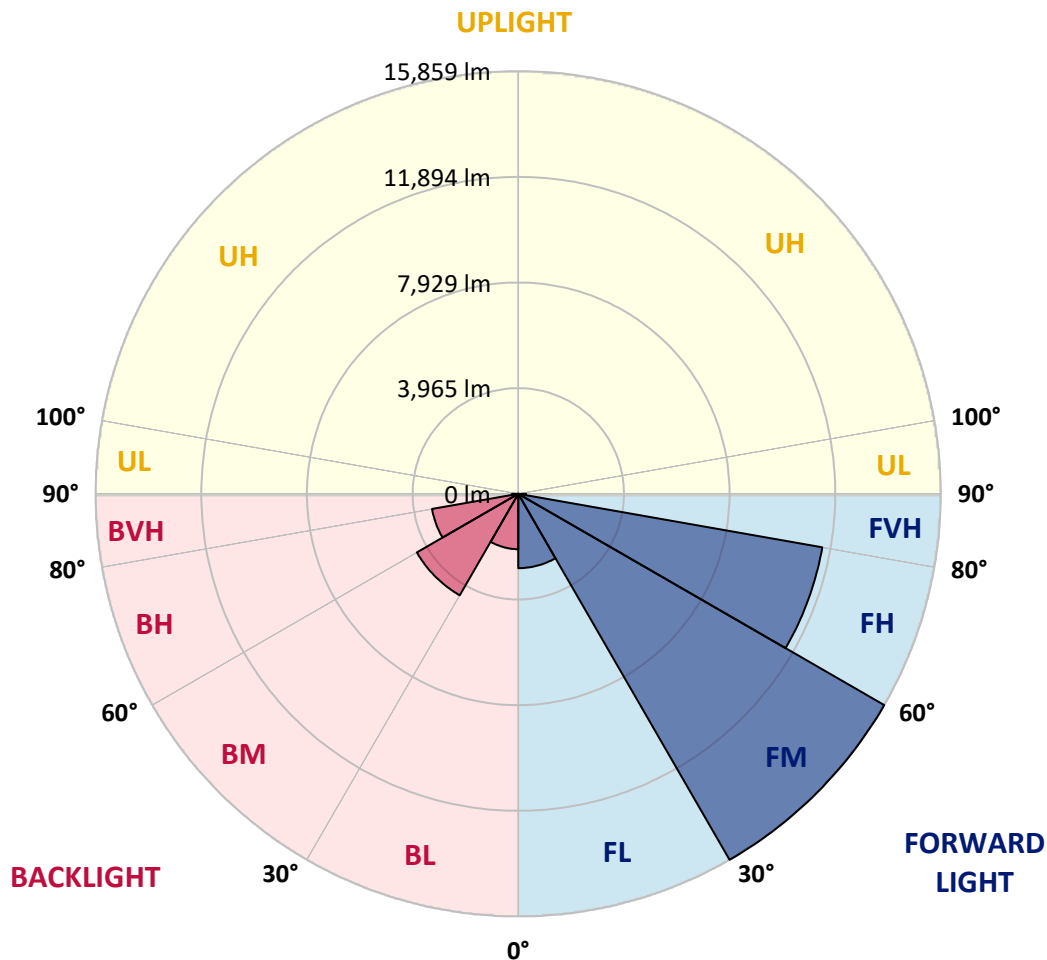


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2790.2	6.9			
FM (30°-60°)	15858.7	39.1			
FH (60°-80°)	11584.5	28.6			G4/12000
FVH (80°-90°)	296.7	0.7			G3/500
BL (0°-30°)	2078.1	5.1	B3/2500		
BM (30°-60°)	4394.7	10.8	B3/5000		
BH (60°-80°)	3282.9	8.1	B4/5000		G4/5000
BVH (80°-90°)	233.3	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	5940.6	5940.6	5940.6	5940.6	5940.6	5940.6	5940.6	5940.6	5940.6	5940.6
2.5°	6082.5	6116.9	6106.1	6095.4	6095.4	6080.3	6078.2	6056.7	6039.5	6011.5
5°	6159.9	6196.4	6192.1	6200.7	6228.7	6235.1	6241.6	6228.7	6194.3	6159.9
7.5°	6091.1	6131.9	6144.8	6196.4	6282.5	6359.9	6417.9	6441.6	6409.3	6359.9
10°	5858.9	5904.0	5949.2	6071.7	6224.4	6407.2	6562.0	6654.4	6648.0	6600.7
12.5°	5388.0	5435.3	5532.1	5770.7	6050.2	6372.8	6660.9	6854.4	6921.0	6886.6
15°	5011.8	5052.6	5125.7	5370.8	5734.2	6224.4	6697.4	7073.7	7243.5	7224.2
17.5°	5001.0	5018.2	5063.4	5179.5	5459.0	5992.2	6658.7	7288.7	7613.3	7611.2
20°	5190.2	5196.7	5222.5	5246.1	5405.2	5815.9	6559.8	7467.1	8028.3	8028.3
22.5°	5452.5	5448.2	5474.0	5452.5	5529.9	5800.8	6497.5	7624.1	8490.6	8525.0
25°	5846.0	5824.5	5818.0	5768.6	5783.6	5940.6	6566.3	7802.5	9038.8	9109.8
27.5°	6370.6	6336.2	6312.6	6198.6	6159.9	6228.7	6777.0	8017.5	9649.4	9772.0
30°	7054.3	6992.0	6957.6	6759.8	6620.0	6630.8	7095.2	8303.5	10288.0	10485.8
32.5°	7987.4	7890.7	7798.2	7473.6	7217.7	7133.9	7505.8	8699.1	10980.3	11296.4
35°	9032.4	8955.0	8856.1	8355.1	7961.6	7768.1	8060.5	9251.7	11790.9	12291.8
37.5°	10038.6	9971.9	10019.2	9344.1	8836.7	8555.1	8787.3	9993.4	12790.7	13530.3
40°	11079.2	11027.6	11034.1	10389.0	9797.8	9481.7	9668.8	10924.4	13936.6	15003.1
42.5°	12210.1	12171.4	12042.4	11470.5	10806.2	10511.6	10683.6	11999.4	15166.5	16680.1
45°	13476.5	13452.9	13332.5	12676.7	11915.6	11584.5	11816.7	13186.3	16402.7	18258.2
47.5°	14570.9	14590.2	14575.2	14022.6	13233.6	12747.7	13025.0	14424.7	17553.0	19741.8
50°	15097.7	15198.7	15347.1	15175.1	14684.9	14190.3	14244.1	15620.1	18649.5	21132.9
52.5°	14822.5	15013.8	15418.0	15693.2	15882.4	15779.2	15635.2	16807.0	19681.6	22388.5
55°	13796.9	14065.6	14736.5	15400.8	16366.2	17116.6	17305.8	18122.8	20687.8	23493.6
57.5°	11928.5	12364.9	12967.0	14310.7	15936.2	17763.7	19253.7	19948.2	21754.2	24674.0
60°	8724.9	9309.7	10057.9	12057.5	14431.1	17417.6	20911.4	22751.8	23270.0	26202.7
62.5°	5583.7	5944.9	6632.9	8516.4	11244.8	15643.8	21418.8	26256.4	25839.3	28709.6
65°	3822.8	4055.0	4685.0	5742.8	7269.3	11644.7	20060.0	28883.8	29920.1	32682.9
67.5°	2777.9	2954.2	3491.7	4418.4	4736.6	6890.9	15566.4	28763.4	33887.0	36776.6
70°	2025.3	2150.1	2601.6	3491.7	3644.3	3833.5	9430.1	24450.4	33801.0	37864.6
72.5°	1500.7	1586.7	1889.9	2709.1	2949.9	2588.7	4667.8	17770.2	29045.0	34248.2
75°	1085.8	1150.3	1373.9	2072.6	2360.8	1971.6	2328.5	10384.7	20259.9	24091.3
77.5°	829.9	879.4	1025.6	1517.9	1889.9	1479.2	1444.8	4777.4	9606.4	9653.7
80°	666.5	698.8	778.3	1068.6	1449.1	1107.3	941.7	1928.6	3035.9	2569.3
82.5°	490.2	544.0	657.9	750.4	1036.3	763.3	574.1	974.0	1154.6	993.3
85°	279.5	316.1	397.8	537.5	662.2	466.6	329.0	432.2	537.5	440.8
87.5°	98.9	129.0	139.8	210.7	288.1	193.5	126.9	124.7	176.3	131.2
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°
5940.6	0°	5940.6	5940.6	5940.6	5940.6	5940.6	5940.6	5940.6	5940.6	5940.6	5940.6
6005.1	2.5°	5983.6	5972.8	5929.8	5871.8	5811.6	5753.5	5734.2	5693.3	5665.4	5650.3
6144.8	5°	6104.0	6069.6	5968.5	5839.5	5704.1	5557.9	5454.7	5360.1	5291.3	5226.8
6336.2	7.5°	6276.0	6215.8	6041.6	5815.9	5575.1	5332.1	5151.5	5013.9	4921.5	4861.3
6559.8	10°	6476.0	6383.5	6116.9	5779.3	5407.4	5059.1	4846.2	4728.0	4669.9	4637.7
6815.7	12.5°	6706.0	6574.9	6194.3	5695.5	5151.5	4753.8	4607.6	4573.2	4575.3	4577.5
7138.2	15°	6989.8	6807.1	6256.6	5512.7	4818.3	4519.4	4493.6	4549.5	4607.6	4635.5
7503.7	17.5°	7310.2	7052.2	6267.4	5211.7	4491.5	4368.9	4450.6	4571.0	4659.2	4697.9
7912.2	20°	7654.2	7301.6	6190.0	4786.0	4222.7	4246.4	4392.6	4547.4	4644.1	4693.6
8378.8	22.5°	8047.6	7568.2	6005.1	4338.8	4003.4	4113.0	4285.1	4435.6	4536.6	4586.1
8927.0	25°	8497.0	7867.0	5714.8	3962.5	3814.2	3962.5	4134.5	4259.3	4341.0	4386.1
9539.8	27.5°	8995.8	8178.8	5327.8	3663.7	3648.6	3807.7	3949.6	4046.4	4089.4	4123.8
10191.2	30°	9496.8	8462.6	4859.1	3437.9	3504.6	3655.1	3756.1	3799.1	3812.0	3818.5
10918.0	32.5°	10038.6	8707.7	4366.8	3250.9	3367.0	3506.7	3566.9	3586.3	3526.1	3485.2
11799.5	35°	10694.4	8970.0	3885.1	3102.5	3231.5	3351.9	3371.3	3354.1	3283.1	3199.3
12904.6	37.5°	11504.9	9296.8	3500.3	2997.2	3104.7	3184.2	3160.6	3156.3	3162.7	3063.8
14233.3	40°	12498.2	9722.5	3218.6	2915.5	3001.5	3018.7	2952.0	2988.6	3020.8	2870.3
15691.1	42.5°	13601.2	10236.4	3040.2	2859.6	2915.5	2874.6	2771.4	2812.3	2808.0	2610.2
17155.3	45°	14725.7	10795.4	2977.8	2818.7	2835.9	2754.2	2640.3	2651.0	2560.7	2382.3
18559.2	47.5°	15843.7	11395.3	3016.5	2784.3	2737.0	2644.6	2556.4	2509.1	2375.8	2242.5
19905.2	50°	16940.3	12025.2	3158.4	2715.5	2601.6	2547.8	2483.3	2399.5	2257.6	2143.6
21178.0	52.5°	17957.2	12659.5	3317.5	2601.6	2431.7	2464.0	2423.1	2326.4	2186.6	2070.5
22382.0	55°	18920.5	13293.8	3379.9	2444.6	2272.6	2390.9	2367.2	2188.8	2021.0	1926.4
23642.0	57.5°	19969.7	14057.0	3311.1	2244.7	2143.6	2307.0	2216.7	2018.9	1922.1	1851.2
25282.5	60°	21423.1	15254.6	3162.7	1997.4	2021.0	2182.3	2027.5	1945.8	1840.4	1760.9
27742.1	62.5°	23837.6	17488.5	2924.1	1752.3	1877.0	1997.4	1937.2	1855.5	1748.0	1670.6
31947.6	65°	27406.7	20593.2	2474.7	1560.9	1715.7	1816.8	1840.4	1758.7	1646.9	1565.2
35632.8	67.5°	30416.8	22541.1	1872.7	1401.8	1550.2	1670.6	1737.2	1657.7	1539.4	1459.9
36495.0	70°	30251.2	21126.4	1429.8	1244.9	1404.0	1526.5	1612.5	1550.2	1423.3	1348.1
33149.5	72.5°	26869.2	17673.4	1156.7	1085.8	1255.6	1376.0	1479.2	1431.9	1302.9	1229.8
24284.8	75°	19739.6	12545.6	924.5	924.5	1070.7	1219.1	1333.0	1302.9	1184.7	1133.1
10195.5	77.5°	8320.7	5263.3	724.6	767.6	890.1	1047.1	1189.0	1199.7	1096.5	1161.0
2696.2	80°	2212.4	1451.3	552.6	604.2	698.8	864.3	1034.2	1029.9	918.1	857.9
1001.9	82.5°	842.8	571.9	393.5	425.7	505.3	662.2	819.2	845.0	733.2	634.3
393.5	85°	324.7	245.1	243.0	255.9	294.6	438.6	619.2	640.7	552.6	468.7
109.7	87.5°	83.9	73.1	90.3	86.0	135.5	234.4	354.8	367.7	337.6	195.7
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>
5940.6
5667.5
5252.6
4874.2
4646.3
4581.8
4633.4
4706.5
4706.5
4599.0
4399.0
4136.7
3833.5
3498.1
3203.6
3070.3
2874.6
2608.0
2388.7
2242.5
2135.0
2072.6
1917.8
1844.7
1756.6
1670.6
1569.5
1462.0
1354.5
1229.8
1118.0
1053.5
797.7
634.3
483.8
279.5
0.0

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