

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: P850648

Luminaire Tested: **GLAN-SB8B-730-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850648
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8B-730-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44014 lumens
Efficiency: N/A
Efficacy: 150.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

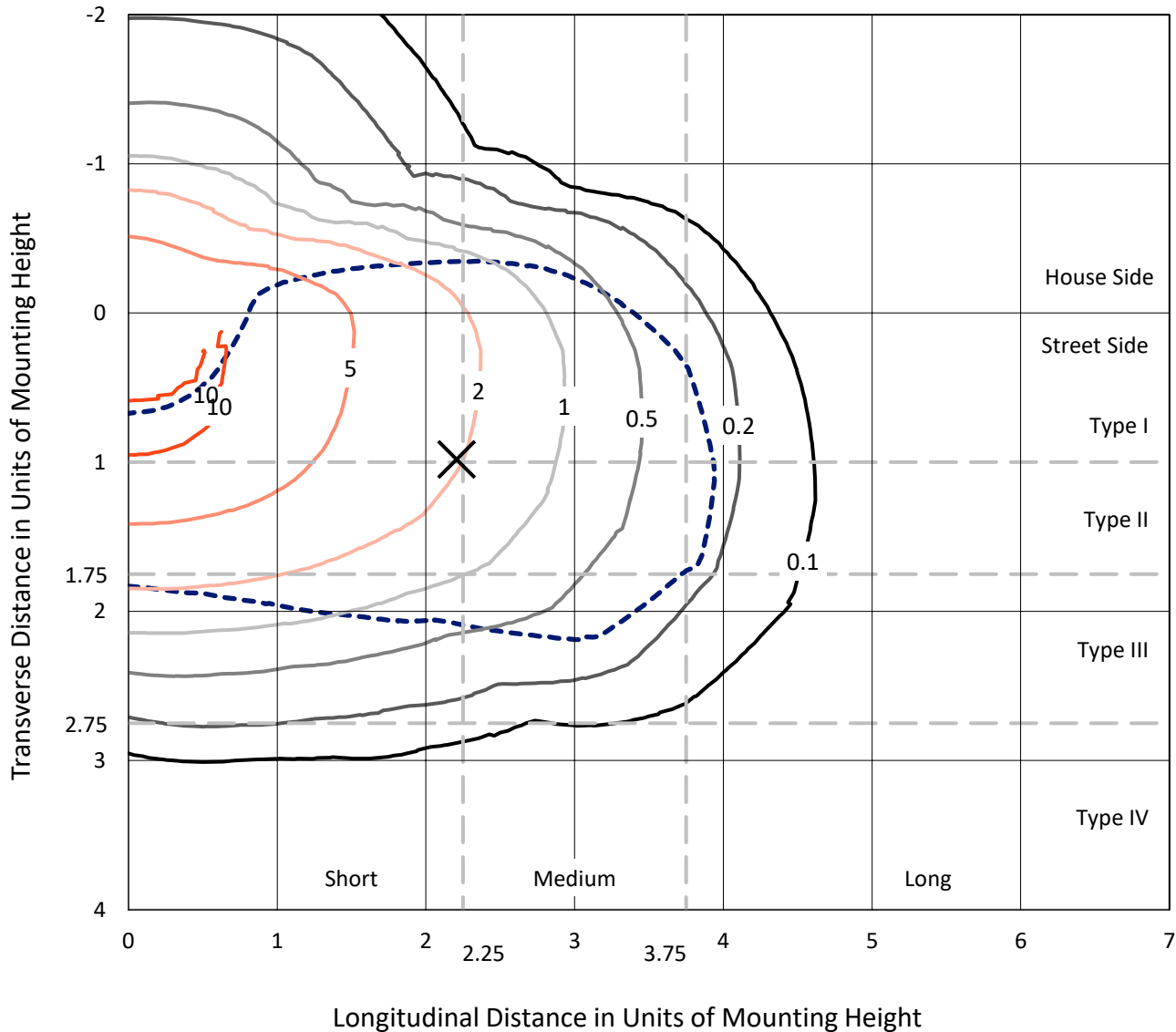
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

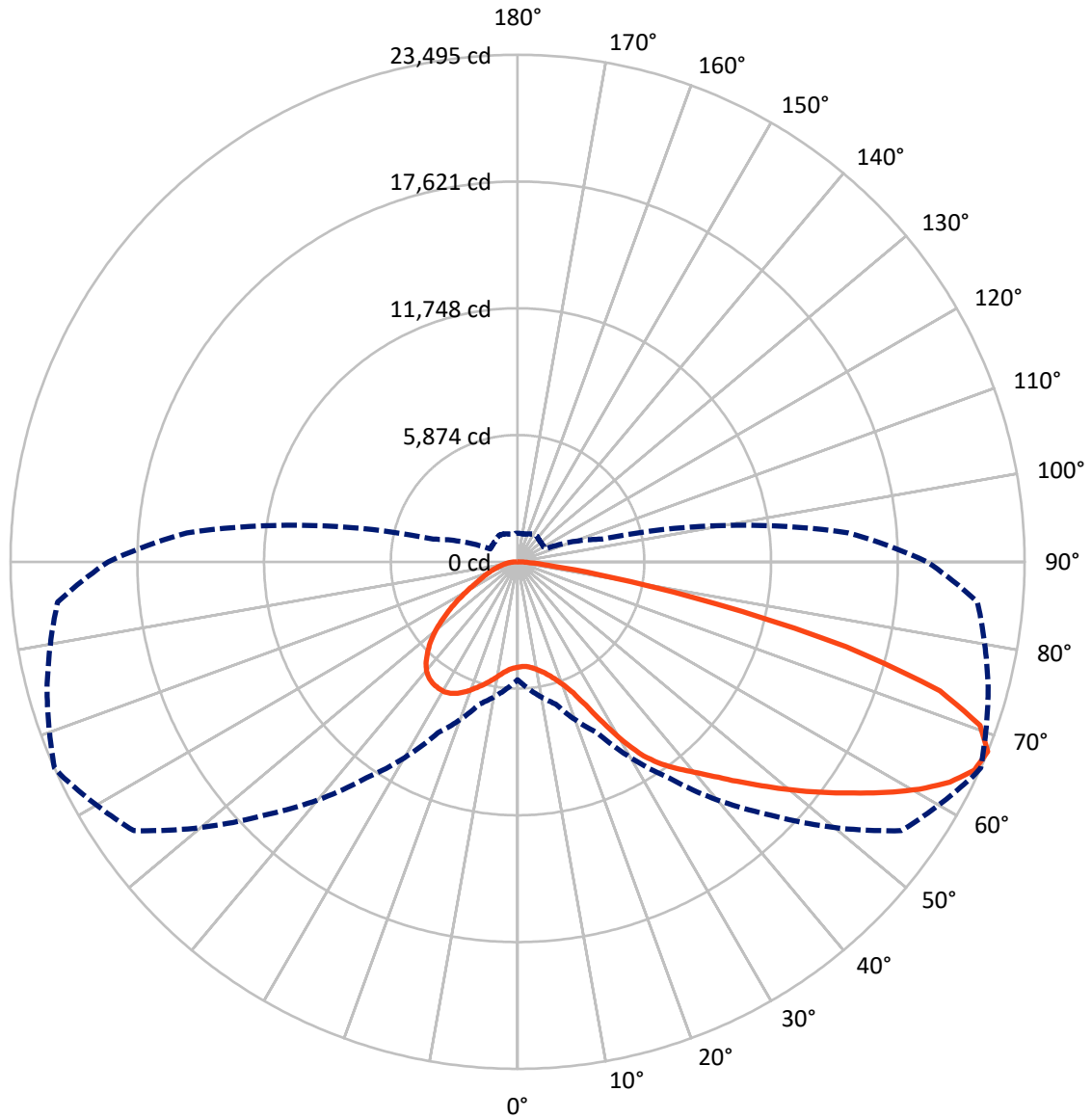
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10944.0	0.0	10944.0
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	33070.0	0.0	33070.0
	% Fixture	75.1	0.0	75.1
Total	Lumens	44014.0	0.0	44014.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	484.0	1.1
10°-20°	1599.1	3.6
20°-30°	3082.2	7.0
30°-40°	5404.2	12.3
40°-50°	8034.2	18.3
50°-60°	10184.1	23.1
60°-70°	9964.9	22.6
70°-80°	4753.4	10.8
80°-90°	508.0	1.2
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°	44014.0	100.0
0°-180°	44014.0	100.0

Coefficient of Utilization

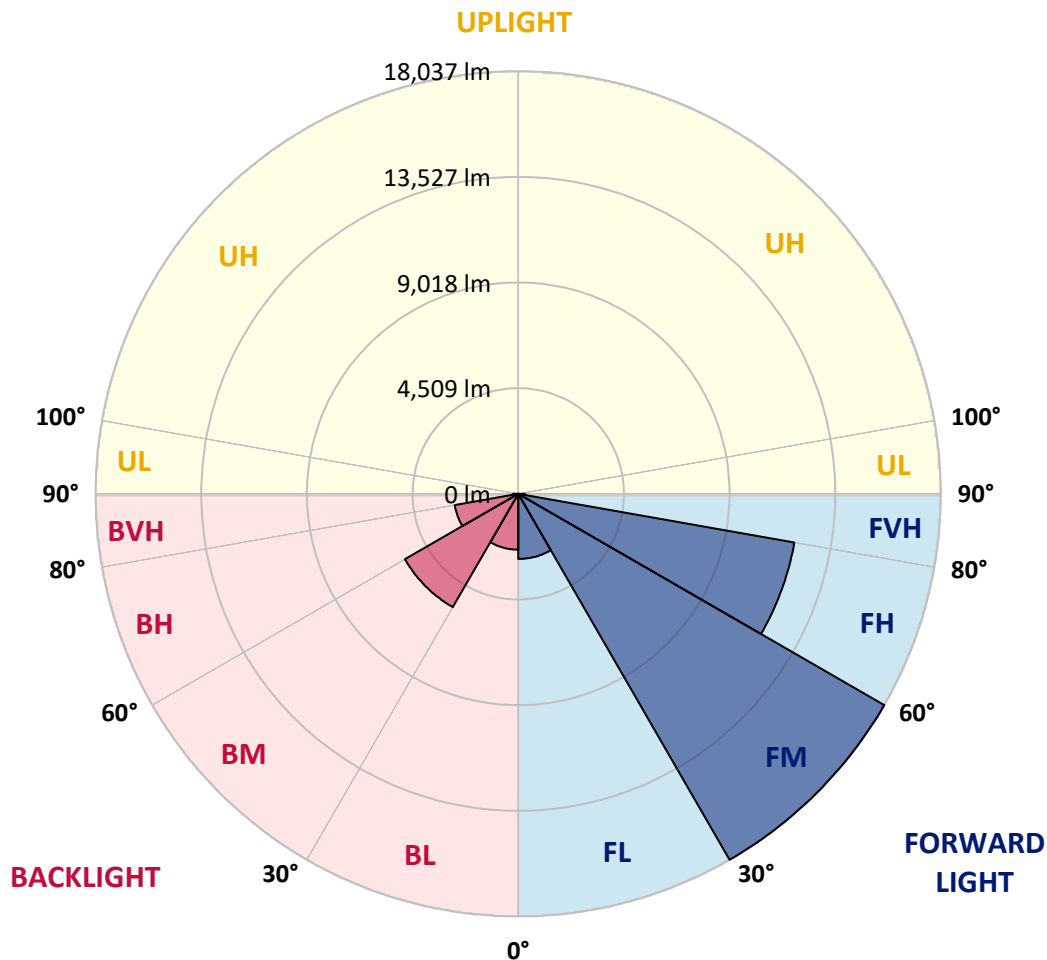


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2781.2	6.3			
FM (30°-60°)	18036.6	41.0			
FH (60°-80°)	11964.2	27.2			G4/12000
FVH (80°-90°)	288.0	0.7			G3/500
BL (0°-30°)	2384.0	5.4	B3/2500		
BM (30°-60°)	5585.9	12.7	B4/8500		
BH (60°-80°)	2754.1	6.3	B4/5000		G4/5000
BVH (80°-90°)	220.0	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	4881.7	4881.7	4881.7	4881.7	4881.7	4881.7	4881.7	4881.7	4881.7	4881.7
2.5°	4830.9	4858.6	4851.7	4840.1	4837.8	4842.4	4849.4	4856.3	4854.0	4865.5
5°	4817.0	4844.7	4842.4	4842.4	4851.7	4870.2	4881.7	4893.3	4881.7	4895.6
7.5°	4826.2	4847.0	4856.3	4865.5	4888.7	4923.4	4951.1	4976.5	4962.7	4978.9
10°	4944.2	4960.4	4969.6	4969.6	4985.8	5025.1	5052.9	5099.1	5087.5	5113.0
12.5°	5159.2	5175.4	5175.4	5166.2	5177.7	5203.2	5212.4	5263.3	5242.5	5284.1
15°	5422.9	5455.2	5429.8	5413.6	5418.2	5443.7	5441.4	5480.7	5459.9	5494.6
17.5°	5714.2	5755.9	5714.2	5711.9	5702.7	5730.4	5732.7	5767.4	5730.4	5755.9
20°	6058.8	6116.6	6081.9	6093.5	6072.7	6084.2	6095.8	6146.7	6088.9	6107.4
22.5°	6544.4	6613.8	6576.8	6620.8	6606.9	6597.6	6595.3	6685.5	6595.3	6602.3
25°	7252.1	7335.3	7270.6	7330.7	7330.7	7360.8	7395.4	7511.1	7360.8	7316.8
27.5°	8297.3	8380.6	8253.4	8290.4	8278.8	8352.8	8315.8	8602.6	8440.7	8369.0
30°	9555.3	9703.3	9462.8	9453.6	9442.0	9560.0	9613.2	9802.8	9638.6	9566.9
32.5°	10915.1	11070.0	10783.3	10700.0	10656.1	10727.8	10683.9	10836.5	10723.2	10612.2
35°	12353.5	12506.1	12233.2	12071.4	11895.6	11745.3	11588.0	11627.4	11521.0	11352.2
37.5°	13713.3	13993.1	13704.0	13530.6	13206.8	12913.1	12473.7	12291.1	12191.6	12036.7
40°	15098.5	15258.0	15038.3	14890.3	14538.8	14078.6	13375.6	12989.4	12855.3	12705.0
42.5°	16118.3	16270.9	16153.0	16051.2	15776.0	15241.8	14333.0	13849.7	13655.4	13486.6
45°	16927.7	17041.0	16967.0	17004.0	16886.0	16368.0	15325.1	14772.4	14571.2	14365.4
47.5°	17253.7	17374.0	17491.9	17711.6	17912.8	17531.2	16391.2	15771.4	15558.6	15348.2
50°	17216.7	17339.3	17681.5	18148.7	18773.1	18645.9	17515.0	16835.2	16638.6	16398.1
52.5°	16920.7	17059.5	17498.9	18275.9	19270.2	19480.7	18659.7	17933.6	17748.6	17461.9
55°	16143.7	16227.0	16886.0	17986.8	19388.2	20063.4	19781.3	19103.7	18918.7	18518.7
57.5°	14703.0	14823.3	15783.0	17207.5	19092.2	20458.9	20766.4	20334.0	20155.9	19580.1
60°	12822.9	13014.9	14113.3	15898.6	18338.3	20456.6	21661.4	21543.5	21395.5	20625.4
62.5°	10695.4	10917.4	11974.2	14048.6	17020.2	19876.1	22221.0	22556.3	22480.0	21589.7
65°	8214.1	8366.7	9418.9	11655.1	14969.0	18629.7	22285.8	23247.8	23261.7	22322.8
67.5°	5469.1	5908.5	6821.9	8746.0	12221.7	16592.3	21716.9	23361.1	23495.2	22574.8
70°	2668.7	3246.8	4141.7	5684.2	8746.0	13468.1	20229.9	22431.5	22729.8	21839.5
72.5°	1107.7	1295.0	1783.0	2805.1	5020.5	9088.2	17242.2	19910.8	20463.5	19351.2
75°	746.9	809.4	1019.8	1438.4	2287.1	4481.7	12434.4	14846.4	15736.7	14615.1
77.5°	575.8	615.1	742.3	1005.9	1359.8	1695.1	6655.4	8947.1	9407.3	8709.0
80°	453.3	483.3	555.0	733.1	964.3	906.5	2268.6	4053.9	4319.8	3623.7
82.5°	393.1	404.7	397.8	497.2	640.6	529.6	744.6	1496.2	1651.1	1197.9
85°	284.4	316.8	330.7	307.6	339.9	268.3	305.3	529.6	582.8	520.3
87.5°	115.6	171.1	210.4	198.9	124.9	76.3	94.8	154.9	178.1	194.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P850648
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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4881.7	0°	4881.7	4881.7	4881.7	4881.7	4881.7	4881.7	4881.7	4881.7	4881.7	4881.7
4884.0	2.5°	4886.4	4902.5	4914.1	4928.0	4937.2	4951.1	4978.9	4995.0	4997.4	5008.9
4921.0	5°	4930.3	4953.4	4978.9	5015.9	5057.5	5092.2	5145.4	5182.4	5196.2	5207.8
5011.2	7.5°	5025.1	5057.5	5103.7	5168.5	5228.6	5274.9	5339.6	5383.6	5427.5	5443.7
5154.6	10°	5166.2	5212.4	5279.5	5367.4	5432.1	5492.2	5559.3	5596.3	5640.2	5658.7
5325.7	12.5°	5341.9	5390.5	5478.4	5600.9	5661.1	5702.7	5725.8	5716.6	5725.8	5742.0
5531.6	15°	5543.1	5596.3	5695.7	5827.6	5869.2	5832.2	5781.3	5735.1	5728.1	5732.7
5781.3	17.5°	5781.3	5820.6	5936.2	6047.2	6017.2	5864.6	5753.6	5679.6	5642.6	5631.0
6100.4	20°	6114.3	6114.3	6209.1	6278.5	6077.3	5818.3	5644.9	5524.6	5448.3	5415.9
6535.2	22.5°	6519.0	6482.0	6542.1	6493.6	6065.7	5688.8	5448.3	5240.2	5124.5	5078.3
7143.4	25°	7032.4	6988.4	6972.3	6671.6	5982.5	5483.0	5092.2	4840.1	4738.4	4712.9
8019.8	27.5°	7807.1	7696.1	7485.6	6768.8	5829.9	5159.2	4675.9	4442.4	4384.5	4386.9
9146.0	30°	8838.5	8616.5	8100.8	6784.9	5580.1	4701.4	4250.4	4083.9	4056.2	4067.7
10091.8	32.5°	9793.5	9583.1	8729.8	6710.9	5196.2	4252.7	3868.8	3757.8	3716.2	3730.1
10813.4	35°	10542.8	10485.0	9312.5	6606.9	4724.5	3831.8	3526.6	3431.8	3350.8	3332.3
11493.2	37.5°	11250.4	11227.3	9749.6	6461.2	4257.4	3533.5	3251.4	3126.5	3008.6	2943.8
12244.8	40°	12027.4	12004.3	10036.3	6236.9	3843.4	3274.5	3004.0	2839.8	2694.1	2576.1
13095.8	42.5°	12901.6	12765.1	10172.8	5915.4	3491.9	3054.8	2802.8	2580.8	2388.8	2280.1
14057.8	45°	13856.6	13549.1	10170.5	5506.1	3195.9	2853.7	2587.7	2273.2	2095.1	1993.4
15045.3	47.5°	14869.5	14298.3	10045.6	5052.9	2909.2	2631.7	2254.7	2014.2	1896.3	1833.8
16118.3	50°	15914.8	14999.0	9832.8	4532.5	2615.5	2379.6	2046.6	1882.4	1792.2	1734.4
17182.0	52.5°	16897.6	15635.0	9576.2	3942.9	2317.1	2134.5	1954.1	1826.9	1732.1	1667.3
18213.4	55°	17811.0	16183.0	9213.1	3339.3	2074.3	1970.3	1910.1	1803.8	1695.1	1618.8
19261.0	57.5°	18622.7	16539.2	8586.4	2772.7	1900.9	1857.0	1863.9	1764.5	1639.6	1574.8
20292.4	60°	19298.0	16800.5	7659.1	2247.8	1759.8	1746.0	1792.2	1690.5	1544.8	1470.8
21164.2	62.5°	19702.7	16795.8	6521.3	1840.8	1639.6	1644.2	1697.4	1598.0	1450.0	1380.6
21619.8	65°	19668.0	16384.2	5272.6	1574.8	1524.0	1528.6	1598.0	1496.2	1371.3	1329.7
21390.8	67.5°	18971.9	15380.6	4044.6	1401.4	1396.8	1417.6	1498.5	1426.8	1322.8	1318.1
20026.4	70°	17087.2	13297.0	2913.8	1262.6	1264.9	1295.0	1401.4	1382.9	1297.3	1306.6
16837.5	72.5°	13701.7	10138.1	1956.4	1116.9	1119.3	1167.8	1308.9	1348.2	1271.9	1394.5
11946.5	75°	9125.2	6322.4	1258.0	962.0	964.3	1026.8	1227.9	1281.1	1202.5	1389.8
6216.1	77.5°	4384.5	2842.1	911.1	809.4	809.4	867.2	1061.4	1147.0	1024.4	1079.9
1998.0	80°	1514.7	1068.4	716.9	652.1	638.3	677.6	894.9	994.4	883.4	814.0
652.1	82.5°	596.6	555.0	575.8	506.4	460.2	485.6	696.1	820.9	649.8	587.4
367.7	85°	342.3	360.8	407.0	335.3	265.9	298.3	511.1	589.7	490.3	432.4
120.3	87.5°	92.5	127.2	187.3	173.4	120.3	127.2	242.8	326.1	282.1	217.4
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>
4881.7
5006.6
5205.5
5446.0
5668.0
5746.6
5748.9
5647.2
5409.0
5071.4
4717.5
4393.8
4107.0
3748.6
3346.2
2946.2
2587.7
2287.1
1988.8
1820.0
1713.6
1639.6
1588.7
1533.2
1438.4
1359.8
1327.4
1325.1
1304.3
1413.0
1401.4
989.8
763.1
585.1
441.7
224.3
0.0

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