

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: P849508

Luminaire Tested: **GLAN-SB6C-827-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849508
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-SB6C-827-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36234 lumens
Efficiency: N/A
Efficacy: 120.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

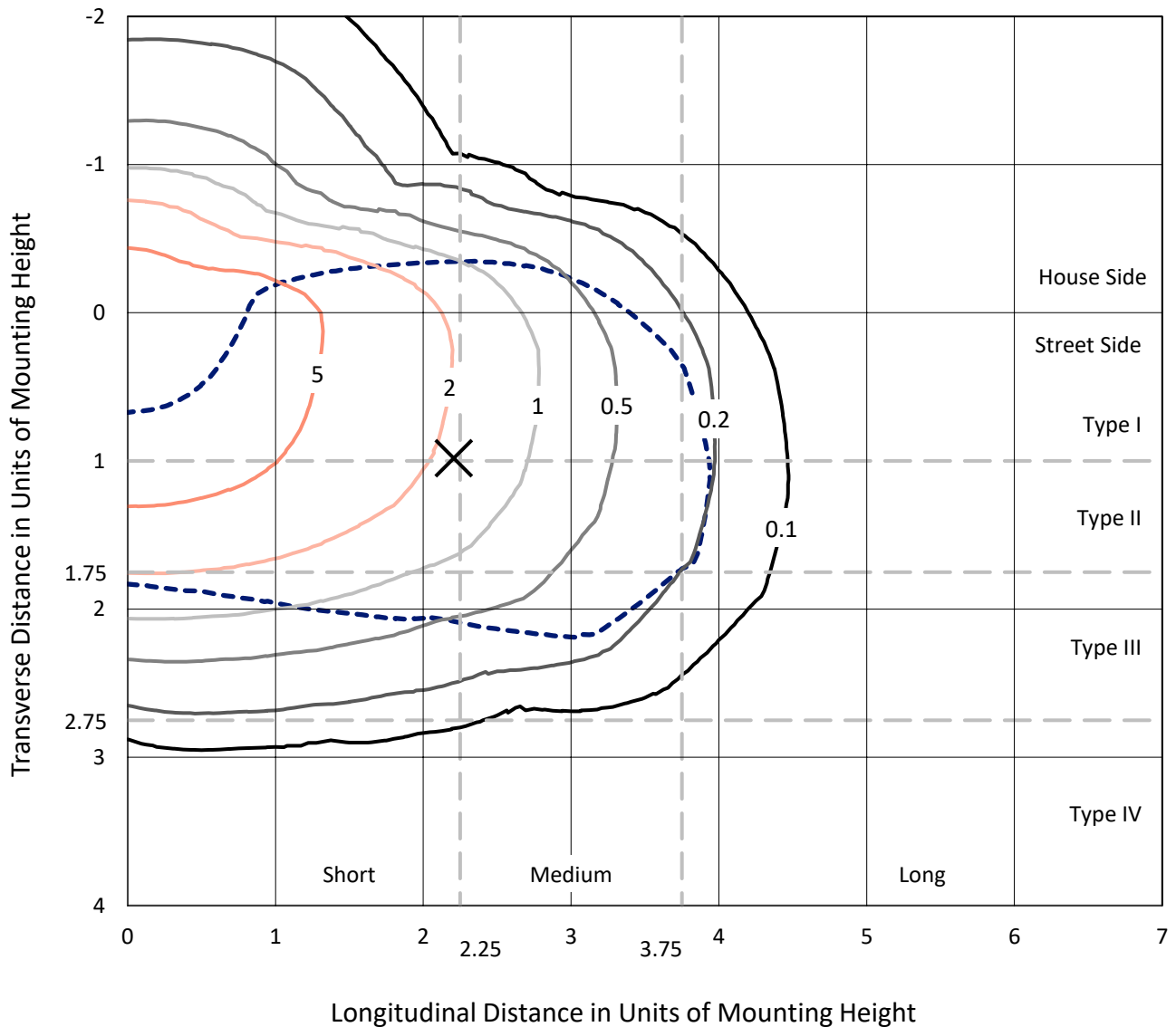
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

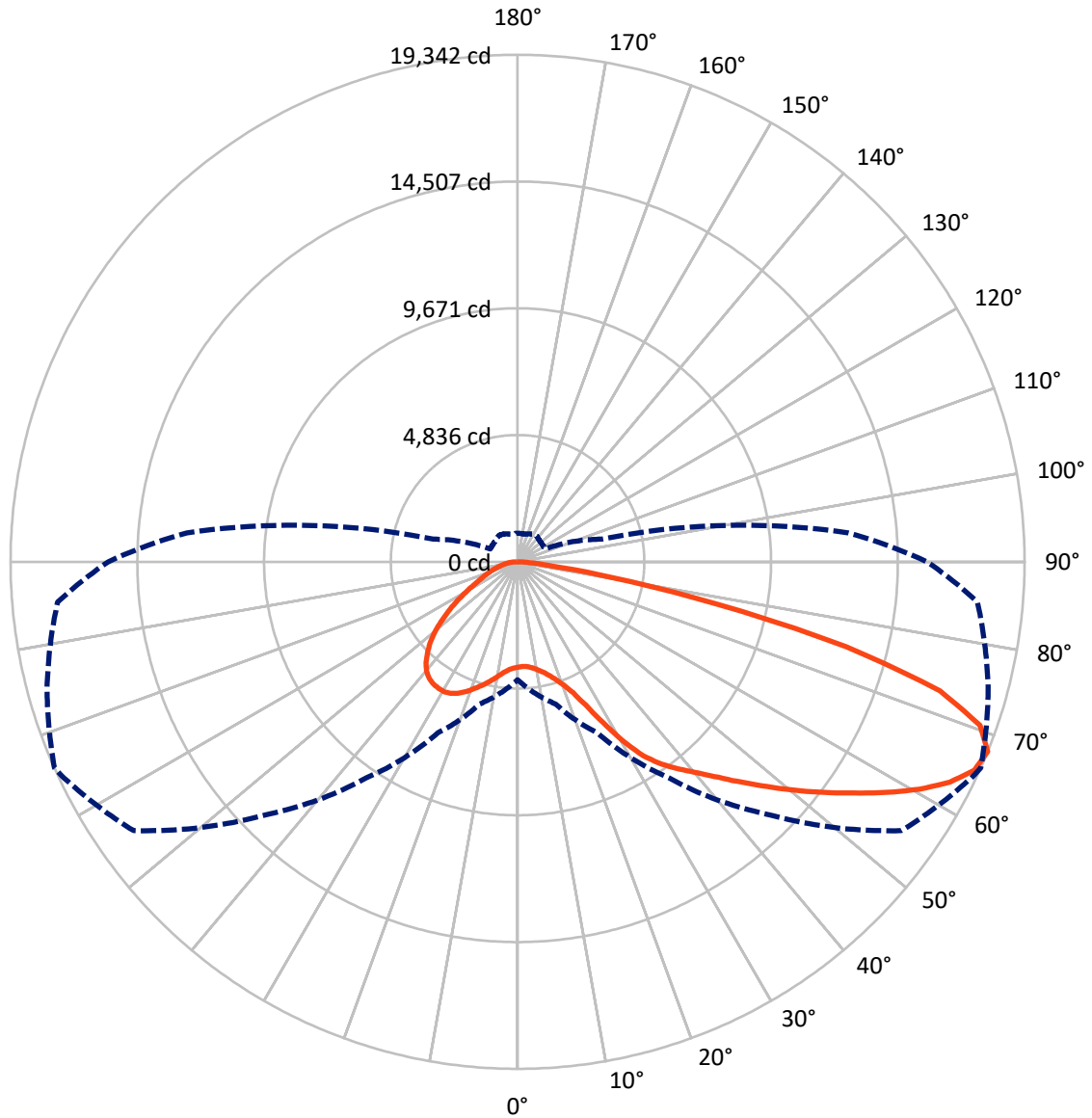
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 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	9009.5	0.0	9009.5
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	27224.5	0.0	27224.5
	% Fixture	75.1	0.0	75.1
Total	Lumens	36234.0	0.0	36234.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	398.4	1.1
10°-20°	1316.4	3.6
20°-30°	2537.3	7.0
30°-40°	4448.9	12.3
40°-50°	6614.1	18.3
50°-60°	8384.0	23.1
60°-70°	8203.5	22.6
70°-80°	3913.2	10.8
80°-90°	418.2	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°	36234.0	100.0
0°-180°	36234.0	100.0

Coefficient of Utilization



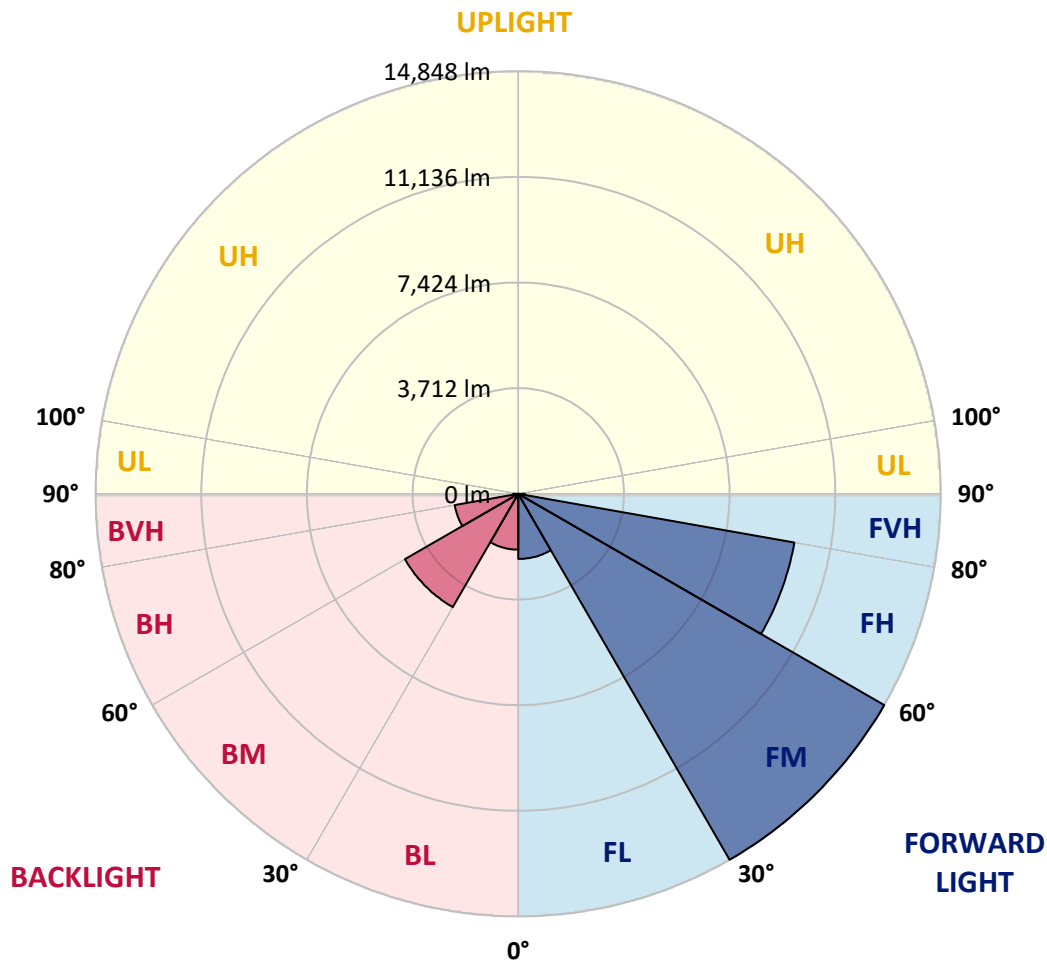
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2289.6	6.3			
FM (30°-60°)	14848.4	41.0			
FH (60°-80°)	9849.4	27.2			G4/12000
FVH (80°-90°)	237.1	0.7			G3/500
BL (0°-30°)	1962.6	5.4	B3/2500		
BM (30°-60°)	4598.5	12.7	B3/5000		
BH (60°-80°)	2267.3	6.3	B3/2500		G3/2500
BVH (80°-90°)	181.1	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	4018.8	4018.8	4018.8	4018.8	4018.8	4018.8	4018.8	4018.8	4018.8	4018.8
2.5°	3976.9	3999.8	3994.1	3984.6	3982.7	3986.5	3992.2	3997.9	3996.0	4005.5
5°	3965.5	3988.4	3986.5	3986.5	3994.1	4009.3	4018.8	4028.3	4018.8	4030.3
7.5°	3973.1	3990.3	3997.9	4005.5	4024.5	4053.1	4075.9	4096.9	4085.5	4098.8
10°	4070.2	4083.6	4091.2	4091.2	4104.5	4136.9	4159.7	4197.8	4188.3	4209.2
12.5°	4247.3	4260.6	4260.6	4253.0	4262.5	4283.5	4291.1	4332.9	4315.8	4350.1
15°	4464.3	4491.0	4470.0	4456.7	4460.5	4481.4	4479.5	4511.9	4494.8	4523.3
17.5°	4704.2	4738.4	4704.2	4702.3	4694.7	4717.5	4719.4	4748.0	4717.5	4738.4
20°	4987.8	5035.4	5006.9	5016.4	4999.3	5008.8	5018.3	5060.2	5012.6	5027.8
22.5°	5387.6	5444.7	5414.3	5450.5	5439.0	5431.4	5429.5	5503.8	5429.5	5435.2
25°	5970.2	6038.7	5985.4	6034.9	6034.9	6059.7	6088.2	6183.4	6059.7	6023.5
27.5°	6830.7	6899.2	6794.5	6825.0	6815.4	6876.4	6845.9	7082.0	6948.7	6889.7
30°	7866.3	7988.2	7790.2	7782.6	7773.0	7870.1	7913.9	8070.0	7934.9	7875.8
32.5°	8985.7	9113.3	8877.2	8808.7	8772.5	8831.5	8795.4	8921.0	8827.7	8736.3
35°	10169.9	10295.5	10070.9	9937.6	9792.9	9669.2	9539.7	9572.1	9484.5	9345.5
37.5°	11289.3	11519.6	11281.7	11138.9	10872.4	10630.6	10268.9	10118.5	10036.6	9909.1
40°	12429.6	12561.0	12380.1	12258.3	11968.9	11590.1	11011.3	10693.4	10583.0	10459.2
42.5°	13269.2	13394.8	13297.7	13214.0	12987.4	12547.7	11799.5	11401.6	11241.7	11102.7
45°	13935.5	14028.8	13967.9	13998.3	13901.2	13474.8	12616.2	12161.2	11995.6	11826.1
47.5°	14203.9	14302.9	14400.0	14580.9	14746.5	14432.4	13493.8	12983.6	12808.5	12635.2
50°	14173.5	14274.4	14556.1	14940.7	15454.7	15350.0	14419.0	13859.3	13697.5	13499.5
52.5°	13929.8	14044.0	14405.7	15045.4	15864.0	16037.2	15361.4	14763.6	14611.3	14375.3
55°	13290.1	13358.7	13901.2	14807.4	15961.1	16517.0	16284.7	15726.9	15574.6	15245.3
57.5°	12104.1	12203.1	12993.1	14165.9	15717.4	16842.5	17095.7	16739.7	16593.1	16119.1
60°	10556.3	10714.3	11618.6	13088.3	15096.8	16840.6	17832.5	17735.4	17613.6	16979.6
62.5°	8804.9	8987.6	9857.6	11565.3	14011.6	16362.8	18293.2	18569.2	18506.4	17773.5
65°	6762.1	6887.8	7754.0	9594.9	12323.0	15336.7	18346.5	19138.5	19149.9	18377.0
67.5°	4502.4	4864.1	5616.1	7200.0	10061.4	13659.5	17878.2	19231.7	19342.2	18584.5
70°	2196.9	2672.9	3409.6	4679.4	7200.0	11087.5	16654.1	18466.4	18712.0	17979.1
72.5°	911.9	1066.1	1467.8	2309.3	4133.1	7481.8	14194.4	16391.3	16846.3	15930.6
75°	614.9	666.3	839.6	1184.1	1882.8	3689.5	10236.5	12222.1	12955.1	12031.7
77.5°	474.0	506.4	611.1	828.1	1119.4	1395.5	5479.0	7365.6	7744.5	7169.5
80°	373.1	397.9	456.9	603.5	793.9	746.3	1867.6	3337.3	3556.2	2983.2
82.5°	323.6	333.2	327.4	409.3	527.3	436.0	613.0	1231.7	1359.3	986.1
85°	234.2	260.8	272.2	253.2	279.9	220.8	251.3	436.0	479.7	428.3
87.5°	95.2	140.9	173.2	163.7	102.8	62.8	78.1	127.6	146.6	159.9
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°
4018.8	0°	4018.8	4018.8	4018.8	4018.8	4018.8	4018.8	4018.8	4018.8	4018.8	4018.8
4020.7	2.5°	4022.6	4036.0	4045.5	4056.9	4064.5	4075.9	4098.8	4112.1	4114.0	4123.5
4051.2	5°	4058.8	4077.8	4098.8	4129.2	4163.5	4192.1	4235.9	4266.3	4277.7	4287.3
4125.4	7.5°	4136.9	4163.5	4201.6	4254.9	4304.4	4342.5	4395.8	4431.9	4468.1	4481.4
4243.5	10°	4253.0	4291.1	4346.3	4418.6	4471.9	4521.4	4576.6	4607.1	4643.3	4658.5
4384.4	12.5°	4397.7	4437.7	4510.0	4610.9	4660.4	4694.7	4713.7	4706.1	4713.7	4727.0
4553.8	15°	4563.3	4607.1	4689.0	4797.5	4831.7	4801.3	4759.4	4721.3	4715.6	4719.4
4759.4	17.5°	4759.4	4791.8	4886.9	4978.3	4953.6	4827.9	4736.5	4675.6	4645.2	4635.6
5022.1	20°	5033.5	5033.5	5111.6	5168.7	5003.1	4789.9	4647.1	4548.1	4485.2	4458.6
5380.0	22.5°	5366.7	5336.2	5385.7	5345.7	4993.6	4683.2	4485.2	4313.9	4218.7	4180.6
5880.7	25°	5789.3	5753.2	5739.8	5492.3	4925.0	4513.8	4192.1	3984.6	3900.8	3879.9
6602.2	27.5°	6427.1	6335.7	6162.5	5572.3	4799.4	4247.3	3849.4	3657.1	3609.5	3611.4
7529.4	30°	7276.2	7093.4	6668.9	5585.6	4593.8	3870.3	3499.1	3362.0	3339.2	3348.7
8308.0	32.5°	8062.4	7889.2	7186.7	5524.7	4277.7	3501.0	3185.0	3093.6	3059.3	3070.8
8902.0	35°	8679.2	8631.6	7666.4	5439.0	3889.4	3154.5	2903.2	2825.2	2758.5	2743.3
9461.7	37.5°	9261.8	9242.7	8026.2	5319.1	3504.8	2908.9	2676.7	2573.9	2476.8	2423.5
10080.4	40°	9901.4	9882.4	8262.3	5134.4	3164.0	2695.7	2473.0	2337.8	2217.9	2120.8
10781.0	42.5°	10621.1	10508.7	8374.6	4869.8	2874.7	2514.9	2307.4	2124.6	1966.6	1877.1
11572.9	45°	11407.3	11154.1	8372.7	4532.8	2631.0	2349.2	2130.3	1871.4	1724.8	1641.0
12385.8	47.5°	12241.2	11770.9	8269.9	4159.7	2394.9	2166.5	1856.2	1658.2	1561.1	1509.7
13269.2	50°	13101.7	12347.8	8094.8	3731.4	2153.1	1959.0	1684.8	1549.7	1475.4	1427.8
14144.9	52.5°	13910.7	12871.3	7883.5	3245.9	1907.6	1757.2	1608.7	1504.0	1425.9	1372.6
14994.0	55°	14662.7	13322.5	7584.6	2749.0	1707.7	1622.0	1572.5	1484.9	1395.5	1332.6
15856.4	57.5°	15330.9	13615.7	7068.6	2282.6	1564.9	1528.7	1534.4	1452.6	1349.8	1296.5
16705.5	60°	15886.8	13830.8	6305.2	1850.5	1448.8	1437.3	1475.4	1391.6	1271.7	1210.8
17423.2	62.5°	16220.0	13827.0	5368.6	1515.4	1349.8	1353.6	1397.4	1315.5	1193.7	1136.5
17798.2	65°	16191.4	13488.1	4340.6	1296.5	1254.6	1258.4	1315.5	1231.7	1128.9	1094.7
17609.7	67.5°	15618.4	12661.9	3329.7	1153.7	1149.9	1167.0	1233.6	1174.6	1088.9	1085.1
16486.5	70°	14066.9	10946.6	2398.7	1039.5	1041.4	1066.1	1153.7	1138.4	1068.0	1075.6
13861.2	72.5°	11279.8	8346.1	1610.6	919.5	921.4	961.4	1077.5	1109.9	1047.1	1148.0
9834.8	75°	7512.2	5204.9	1035.6	792.0	793.9	845.3	1010.9	1054.7	990.0	1144.2
5117.3	77.5°	3609.5	2339.7	750.1	666.3	666.3	713.9	873.8	944.3	843.4	889.1
1644.8	80°	1247.0	879.5	590.2	536.9	525.4	557.8	736.8	818.6	727.2	670.1
536.9	82.5°	491.2	456.9	474.0	416.9	378.8	399.8	573.0	675.8	535.0	483.6
302.7	85°	281.8	297.0	335.1	276.0	218.9	245.6	420.7	485.5	403.6	356.0
99.0	87.5°	76.2	104.7	154.2	142.8	99.0	104.7	199.9	268.4	232.3	179.0
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>
4018.8
4121.6
4285.4
4483.3
4666.1
4730.8
4732.7
4649.0
4452.9
4174.9
3883.7
3617.1
3381.1
3086.0
2754.7
2425.4
2130.3
1882.8
1637.2
1498.3
1410.7
1349.8
1307.9
1262.2
1184.1
1119.4
1092.8
1090.9
1073.7
1163.2
1153.7
814.8
628.2
481.7
363.6
184.7
0.0

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