

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: P847668

Luminaire Tested: **GLAN-SB3D-840-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847668
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-SB3D-840-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27171 lumens
Efficiency: N/A
Efficacy: 124.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

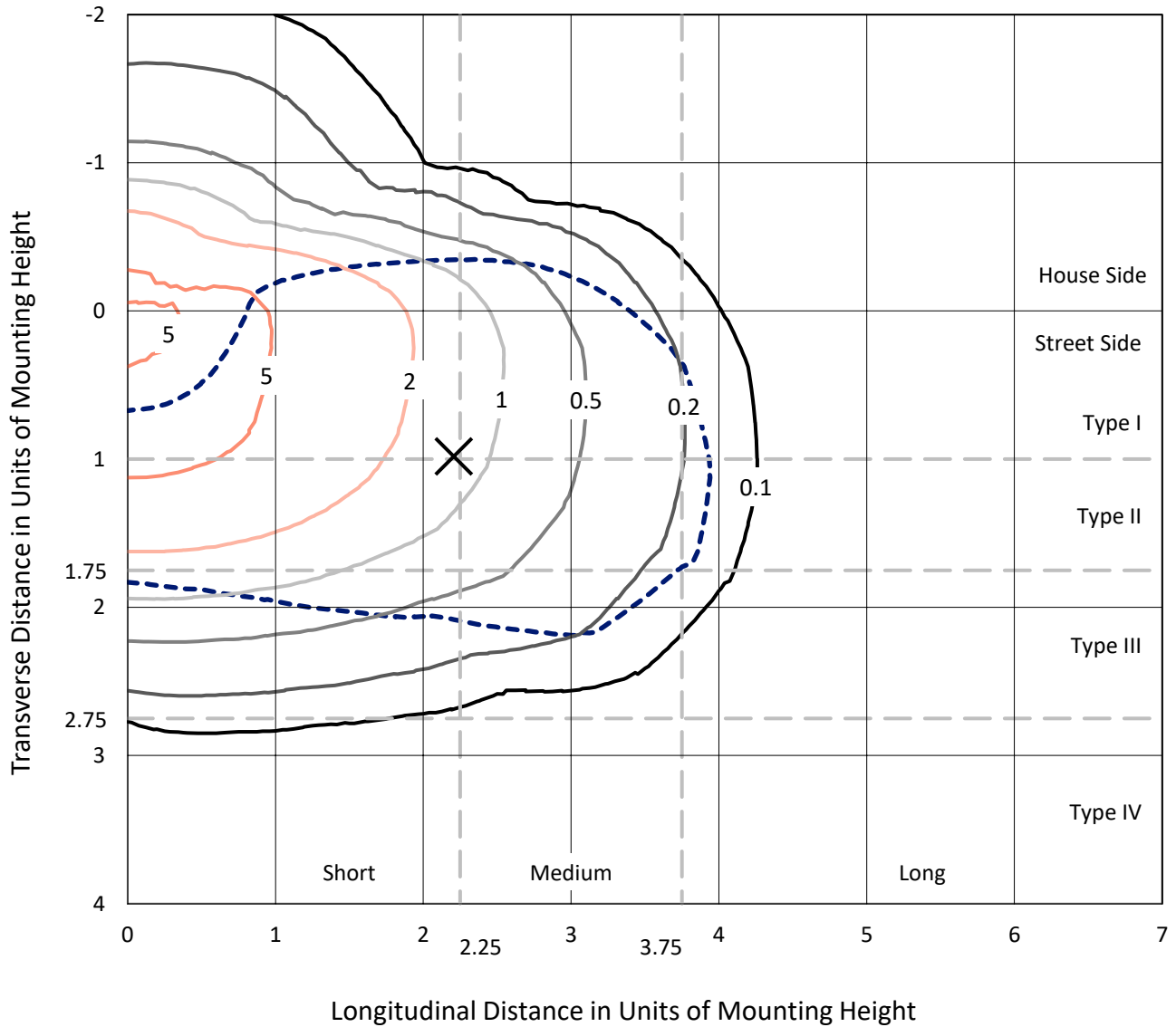
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

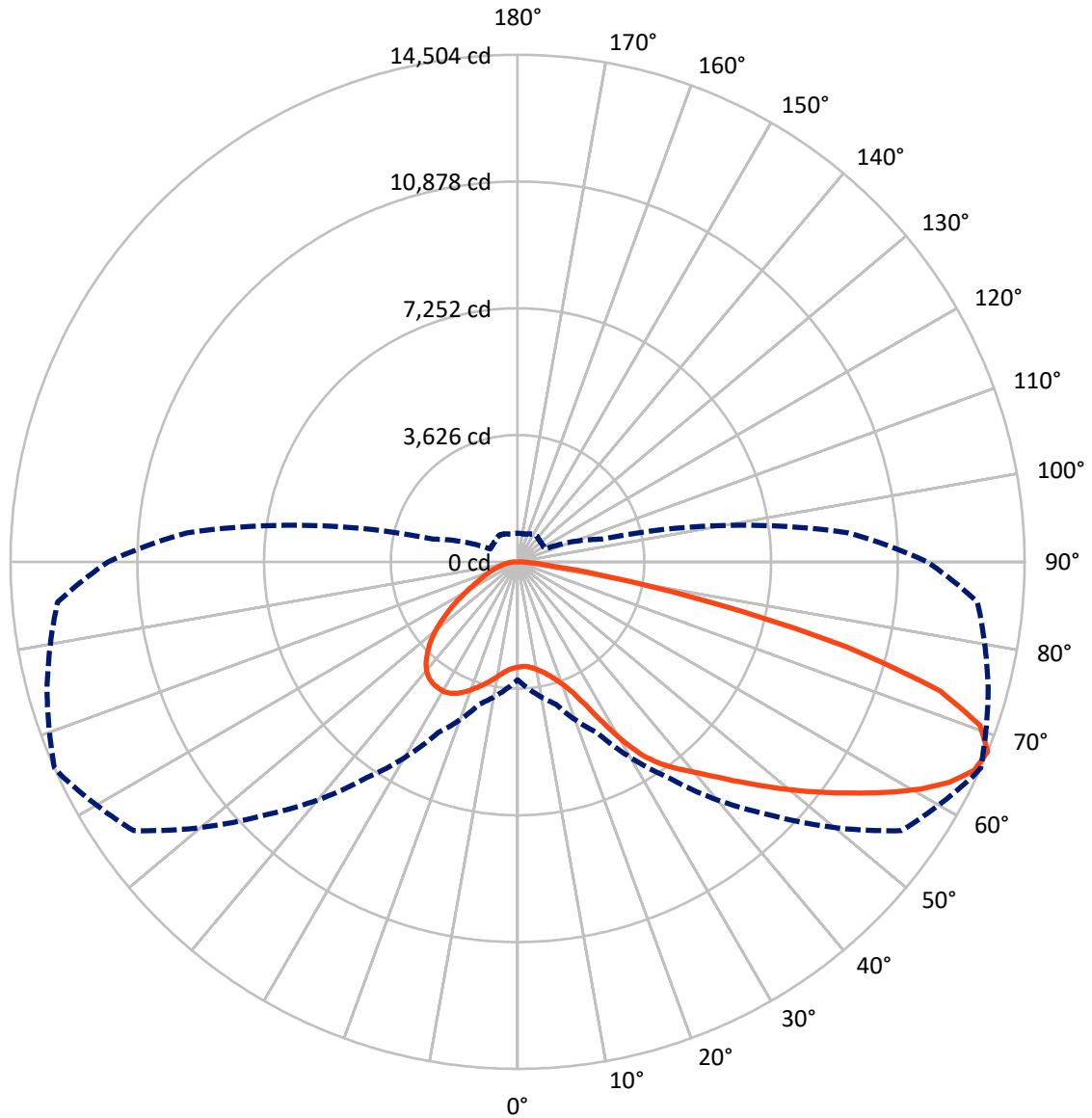
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 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	6756.0	0.0	6756.0
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	20415.0	0.0	20415.0
	% Fixture	75.1	0.0	75.1
Total	Lumens	27171.0	0.0	27171.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	298.8	1.1
10°-20°	987.2	3.6
20°-30°	1902.7	7.0
30°-40°	3336.1	12.3
40°-50°	4959.7	18.3
50°-60°	6286.9	23.1
60°-70°	6151.6	22.6
70°-80°	2934.4	10.8
80°-90°	313.6	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°	27171.0	100.0
0°-180°	27171.0	100.0

Coefficient of Utilization



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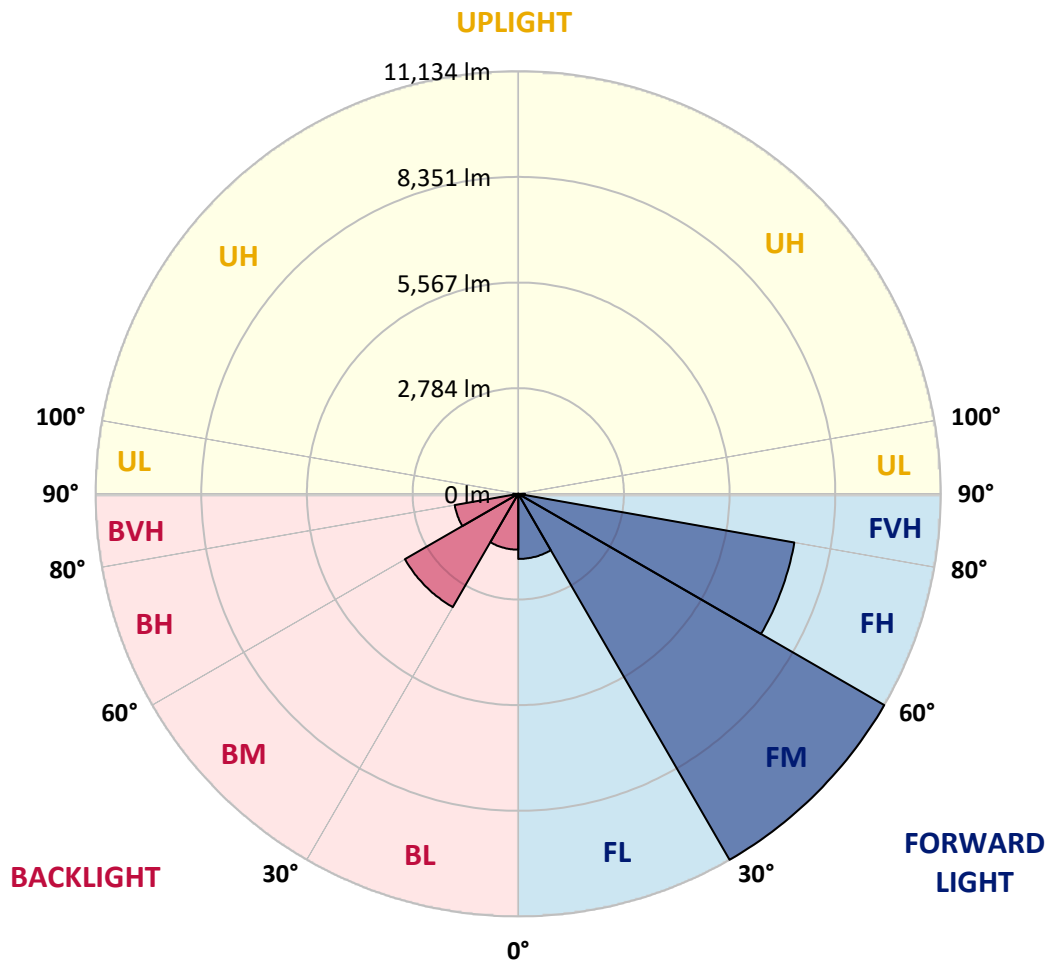
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1716.9	6.3			
FM (30°-60°)	11134.4	41.0			
FH (60°-80°)	7385.8	27.2			G3/7500
FVH (80°-90°)	177.8	0.7			G2/225
BL (0°-30°)	1471.7	5.4	B3/2500		
BM (30°-60°)	3448.3	12.7	B3/5000		
BH (60°-80°)	1700.2	6.3	B3/2500		G3/2500
BVH (80°-90°)	135.8	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-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	3013.6	3013.6	3013.6	3013.6	3013.6	3013.6	3013.6	3013.6	3013.6	3013.6
2.5°	2982.2	2999.3	2995.1	2987.9	2986.5	2989.4	2993.6	2997.9	2996.5	3003.6
5°	2973.7	2990.8	2989.4	2989.4	2995.1	3006.5	3013.6	3020.8	3013.6	3022.2
7.5°	2979.4	2992.2	2997.9	3003.6	3017.9	3039.3	3056.5	3072.2	3063.6	3073.6
10°	3052.2	3062.2	3067.9	3067.9	3077.9	3102.1	3119.3	3147.8	3140.7	3156.4
12.5°	3184.9	3194.9	3194.9	3189.2	3196.4	3212.1	3217.8	3249.2	3236.3	3262.0
15°	3347.7	3367.7	3352.0	3342.0	3344.8	3360.5	3359.1	3383.4	3370.5	3391.9
17.5°	3527.6	3553.2	3527.6	3526.1	3520.4	3537.5	3539.0	3560.4	3537.5	3553.2
20°	3740.3	3776.0	3754.5	3761.7	3748.8	3756.0	3763.1	3794.5	3758.8	3770.2
22.5°	4040.1	4082.9	4060.0	4087.2	4078.6	4072.9	4071.5	4127.1	4071.5	4075.7
25°	4476.9	4528.3	4488.3	4525.4	4525.4	4544.0	4565.4	4636.8	4544.0	4516.9
27.5°	5122.2	5173.6	5095.0	5117.9	5110.7	5156.4	5133.6	5310.6	5210.7	5166.4
30°	5898.8	5990.1	5841.7	5836.0	5828.8	5901.6	5934.5	6051.5	5950.2	5905.9
32.5°	6738.2	6833.8	6656.8	6605.4	6578.3	6622.5	6595.4	6689.6	6619.7	6551.2
35°	7626.1	7720.4	7551.9	7452.0	7343.5	7250.7	7153.6	7177.9	7112.2	7008.0
37.5°	8465.6	8638.3	8459.8	8352.8	8152.9	7971.6	7700.4	7587.6	7526.2	7430.6
40°	9320.7	9419.2	9283.6	9192.2	8975.2	8691.1	8257.1	8018.7	7935.9	7843.1
42.5°	9950.2	10044.5	9971.7	9908.8	9739.0	9409.2	8848.1	8549.8	8429.9	8325.7
45°	10449.9	10519.8	10474.2	10497.0	10424.2	10104.4	9460.6	9119.4	8995.2	8868.1
47.5°	10651.2	10725.4	10798.2	10933.8	11058.0	10822.5	10118.7	9736.1	9604.8	9474.9
50°	10628.3	10704.0	10915.3	11203.7	11589.1	11510.6	10812.5	10392.8	10271.4	10123.0
52.5°	10445.6	10531.3	10802.5	11282.2	11896.0	12025.9	11519.1	11070.9	10956.7	10779.7
55°	9965.9	10017.3	10424.2	11103.7	11968.8	12385.7	12211.5	11793.2	11679.0	11432.1
57.5°	9076.6	9150.8	9743.2	10622.6	11786.1	12629.8	12819.7	12552.7	12442.8	12087.3
60°	7915.9	8034.4	8712.5	9814.6	11320.7	12628.4	13372.1	13299.3	13208.0	12732.6
62.5°	6602.6	6739.6	7392.0	8672.6	10507.0	12270.1	13717.6	13924.6	13877.5	13327.9
65°	5070.8	5165.0	5814.5	7195.0	9240.7	11500.6	13757.6	14351.5	14360.0	13780.4
67.5°	3376.2	3647.5	4211.4	5399.1	7544.8	10242.9	13406.4	14421.4	14504.2	13936.0
70°	1647.4	2004.3	2556.8	3509.0	5399.1	8314.2	12488.5	13847.5	14031.7	13482.1
72.5°	683.8	799.4	1100.7	1731.7	3099.3	5610.4	10644.0	12291.5	12632.7	11946.0
75°	461.1	499.7	629.6	888.0	1411.9	2766.7	7676.1	9165.1	9714.7	9022.3
77.5°	355.5	379.7	458.3	621.0	839.4	1046.4	4108.6	5523.3	5807.4	5376.3
80°	279.8	298.4	342.6	452.5	595.3	559.6	1400.5	2502.5	2666.7	2237.0
82.5°	242.7	249.8	245.5	306.9	395.4	326.9	459.7	923.6	1019.3	739.5
85°	175.6	195.6	204.1	189.9	209.9	165.6	188.4	326.9	359.8	321.2
87.5°	71.4	105.6	129.9	122.8	77.1	47.1	58.5	95.6	109.9	119.9
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°
3013.6	0°	3013.6	3013.6	3013.6	3013.6	3013.6	3013.6	3013.6	3013.6	3013.6	3013.6
3015.1	2.5°	3016.5	3026.5	3033.6	3042.2	3047.9	3056.5	3073.6	3083.6	3085.0	3092.1
3037.9	5°	3043.6	3057.9	3073.6	3096.4	3122.1	3143.5	3176.4	3199.2	3207.8	3214.9
3093.6	7.5°	3102.1	3122.1	3150.7	3190.6	3227.8	3256.3	3296.3	3323.4	3350.5	3360.5
3182.1	10°	3189.2	3217.8	3259.2	3313.4	3353.4	3390.5	3431.9	3454.7	3481.9	3493.3
3287.7	12.5°	3297.7	3327.7	3381.9	3457.6	3494.7	3520.4	3534.7	3529.0	3534.7	3544.7
3414.8	15°	3421.9	3454.7	3516.1	3597.5	3623.2	3600.4	3569.0	3540.4	3536.1	3539.0
3569.0	17.5°	3569.0	3593.2	3664.6	3733.1	3714.6	3620.3	3551.8	3506.1	3483.3	3476.2
3766.0	20°	3774.5	3774.5	3833.1	3875.9	3751.7	3591.8	3484.7	3410.5	3363.4	3343.4
4034.3	22.5°	4024.4	4001.5	4038.6	4008.6	3744.5	3511.8	3363.4	3234.9	3163.5	3135.0
4409.8	25°	4341.3	4314.1	4304.2	4118.6	3693.2	3384.8	3143.5	2987.9	2925.1	2909.4
4950.9	27.5°	4819.5	4751.0	4621.1	4178.5	3598.9	3184.9	2886.6	2742.4	2706.7	2708.1
5646.1	30°	5456.2	5319.2	5000.8	4188.5	3444.8	2902.3	2623.9	2521.1	2504.0	2511.1
6230.0	32.5°	6045.8	5915.9	5389.1	4142.8	3207.8	2625.3	2388.3	2319.8	2294.1	2302.7
6675.4	35°	6508.3	6472.7	5748.9	4078.6	2916.5	2365.5	2177.1	2118.5	2068.6	2057.1
7095.1	37.5°	6945.2	6930.9	6018.7	3988.7	2628.2	2181.3	2007.2	1930.1	1857.3	1817.3
7559.0	40°	7424.8	7410.6	6195.7	3850.2	2372.6	2021.5	1854.4	1753.1	1663.1	1590.3
8084.4	42.5°	7964.5	7880.2	6279.9	3651.8	2155.6	1885.8	1730.2	1593.2	1474.7	1407.6
8678.3	45°	8554.1	8364.2	6278.5	3399.1	1972.9	1761.6	1597.5	1403.3	1293.4	1230.6
9287.8	47.5°	9179.3	8826.7	6201.4	3119.3	1795.9	1624.6	1391.9	1243.4	1170.6	1132.1
9950.2	50°	9824.6	9259.3	6070.1	2798.1	1614.6	1469.0	1263.4	1162.1	1106.4	1070.7
10606.9	52.5°	10431.3	9651.9	5911.6	2434.0	1430.4	1317.7	1206.3	1127.8	1069.3	1029.3
11243.6	55°	10995.2	9990.2	5687.5	2061.4	1280.5	1216.3	1179.2	1113.5	1046.4	999.3
11890.3	57.5°	11496.3	10210.1	5300.6	1711.7	1173.5	1146.3	1150.6	1089.2	1012.2	972.2
12527.0	60°	11913.2	10371.4	4728.1	1387.6	1086.4	1077.8	1106.4	1043.6	953.6	907.9
13065.2	62.5°	12163.0	10368.5	4025.8	1136.4	1012.2	1015.0	1047.8	986.5	895.1	852.3
13346.5	65°	12141.6	10114.4	3254.9	972.2	940.8	943.6	986.5	923.6	846.6	820.9
13205.1	67.5°	11711.9	9494.8	2496.8	865.1	862.3	875.1	925.1	880.8	816.6	813.7
12362.8	70°	10548.4	8208.6	1798.8	779.5	780.9	799.4	865.1	853.7	800.9	806.6
10394.2	72.5°	8458.4	6258.5	1207.7	689.5	690.9	720.9	808.0	832.3	785.2	860.8
7374.9	75°	5633.2	3903.0	776.6	593.9	595.3	633.8	758.0	790.9	742.3	858.0
3837.3	77.5°	2706.7	1754.5	562.5	499.7	499.7	535.3	655.3	708.1	632.4	666.7
1233.4	80°	935.1	659.5	442.6	402.6	394.0	418.3	552.5	613.9	545.3	502.5
402.6	82.5°	368.3	342.6	355.5	312.6	284.1	299.8	429.7	506.8	401.2	362.6
227.0	85°	211.3	222.7	251.3	207.0	164.2	184.2	315.5	364.0	302.6	267.0
74.2	87.5°	57.1	78.5	115.6	107.1	74.2	78.5	149.9	201.3	174.2	134.2
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>
3013.6
3090.7
3213.5
3362.0
3499.0
3547.5
3549.0
3486.2
3339.1
3130.7
2912.3
2712.4
2535.4
2314.1
2065.7
1818.7
1597.5
1411.9
1227.7
1123.5
1057.8
1012.2
980.7
946.5
888.0
839.4
819.4
<i>818.0</i>
805.2
872.3
865.1
611.0
471.1
361.2
272.7
138.5
0.0

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