

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: P851228

Luminaire Tested: **GLAN-SB9A-835-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851228  
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-SB9A-835-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 33852 lumens  
Efficiency: N/A  
Efficacy: 132.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4

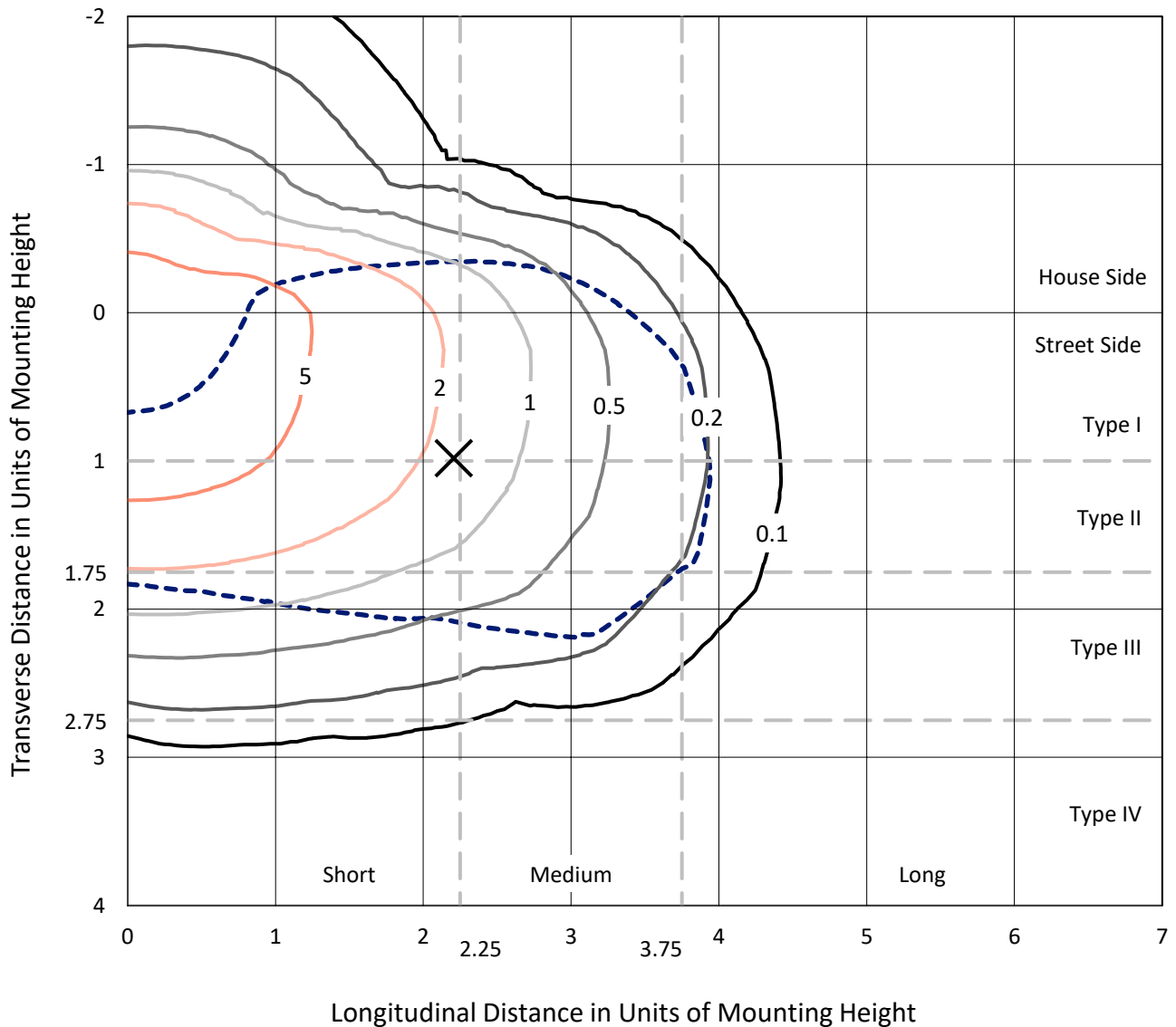
Input Watts (W): 255.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

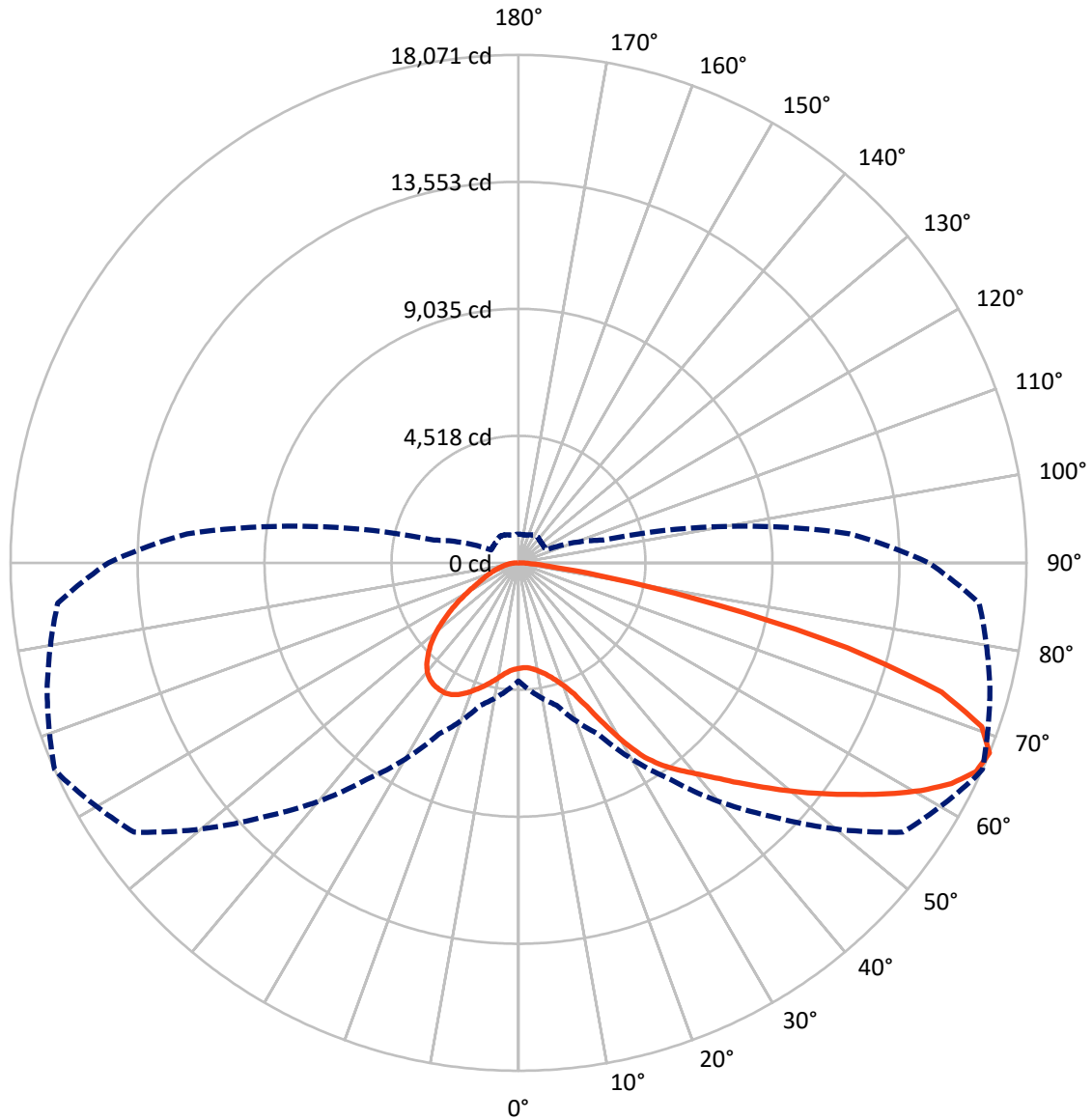
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 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
<b>House Side</b>	Lumens	8417.2	0.0	8417.2
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	25434.8	0.0	25434.8
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	33852.0	0.0	33852.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	372.3	1.1
10°-20°	1229.9	3.6
20°-30°	2370.5	7.0
30°-40°	4156.4	12.3
40°-50°	6179.3	18.3
50°-60°	7832.8	23.1
60°-70°	7664.2	22.6
70°-80°	3655.9	10.8
80°-90°	390.7	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°	33852.0	100.0
0°-180°	33852.0	100.0

**Coefficient of Utilization**

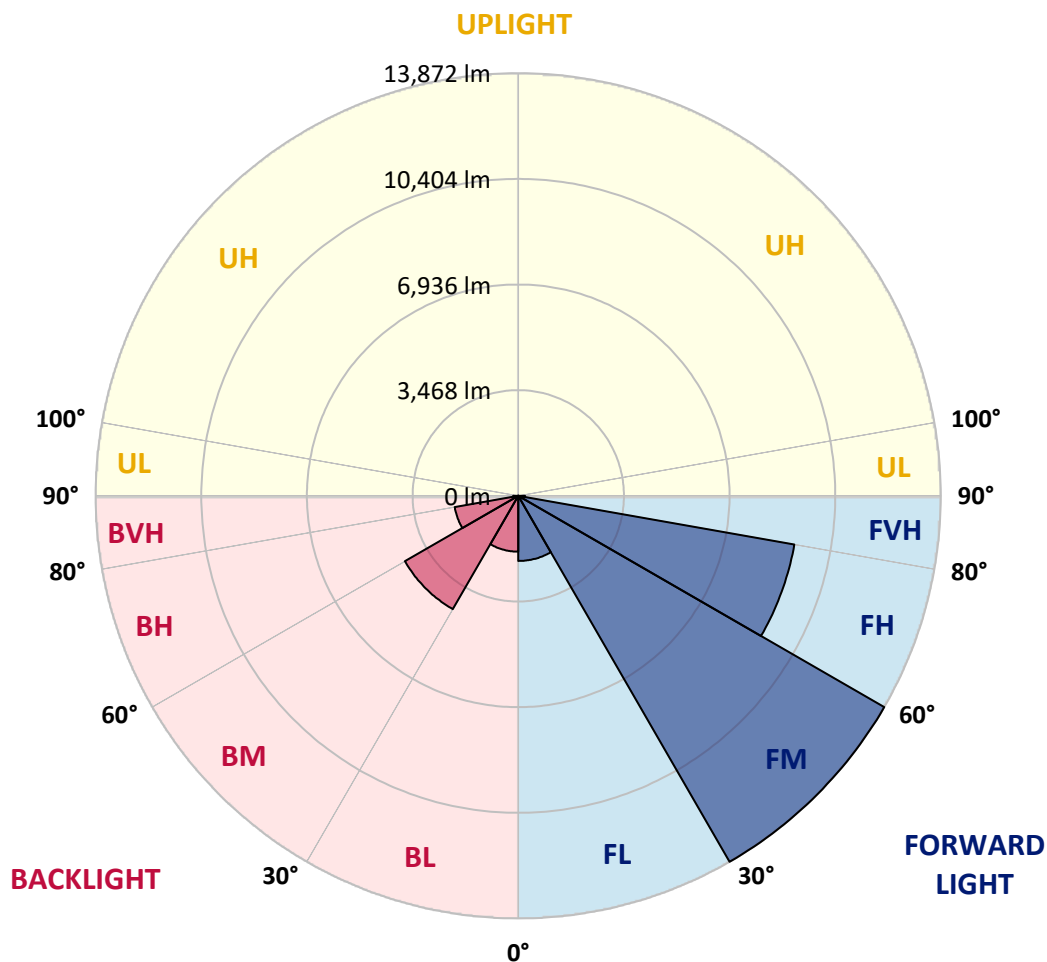


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2139.1	6.3			
FM (30°-60°)	13872.3	41.0			
FH (60°-80°)	9201.9	27.2			G4/12000
FVH (80°-90°)	221.5	0.7			G2/225
BL (0°-30°)	1833.6	5.4	B3/2500		
BM (30°-60°)	4296.2	12.7	B3/5000		
BH (60°-80°)	2118.2	6.3	B3/2500		G3/2500
BVH (80°-90°)	169.2	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°	3754.6	3754.6	3754.6	3754.6	3754.6	3754.6	3754.6	3754.6	3754.6	3754.6
2.5°	3715.5	3736.8	3731.5	3722.6	3720.8	3724.4	3729.7	3735.1	3733.3	3742.2
5°	3704.8	3726.2	3724.4	3724.4	3731.5	3745.7	3754.6	3763.5	3754.6	3765.3
7.5°	3711.9	3728.0	3735.1	3742.2	3760.0	3786.6	3808.0	3827.6	3816.9	3829.3
10°	3802.7	3815.1	3822.2	3822.2	3834.7	3864.9	3886.3	3921.8	3912.9	3932.5
12.5°	3968.1	3980.5	3980.5	3973.4	3982.3	4001.9	4009.0	4048.1	4032.1	4064.1
15°	4170.8	4195.7	4176.2	4163.7	4167.3	4186.8	4185.1	4215.3	4199.3	4226.0
17.5°	4394.9	4426.9	4394.9	4393.2	4386.0	4407.4	4409.2	4435.8	4407.4	4426.9
20°	4659.9	4704.4	4677.7	4686.6	4670.6	4679.5	4688.4	4727.5	4683.1	4697.3
22.5°	5033.5	5086.8	5058.4	5092.1	5081.5	5074.4	5072.6	5141.9	5072.6	5077.9
25°	5577.7	5641.7	5591.9	5638.2	5638.2	5661.3	5688.0	5776.9	5661.3	5627.5
27.5°	6381.6	6445.7	6347.8	6376.3	6367.4	6424.3	6395.9	6616.4	6491.9	6436.8
30°	7349.2	7463.0	7278.0	7270.9	7262.0	7352.8	7393.7	7539.5	7413.2	7358.1
32.5°	8395.0	8514.2	8293.6	8229.6	8195.8	8250.9	8217.2	8334.5	8247.4	8162.0
35°	9501.3	9618.7	9408.8	9284.3	9149.1	9033.5	8912.6	8942.8	8861.0	8731.2
37.5°	10547.1	10762.3	10540.0	10406.6	10157.6	9931.7	9593.8	9453.3	9376.8	9257.6
40°	11612.5	11735.2	11566.3	11452.4	11182.1	10828.1	10287.4	9990.4	9887.3	9771.7
42.5°	12396.9	12514.3	12423.6	12345.3	12133.6	11722.8	11023.8	10652.1	10502.7	10372.8
45°	13019.4	13106.5	13049.6	13078.1	12987.4	12589.0	11786.8	11361.7	11207.0	11048.7
47.5°	13270.2	13362.7	13453.4	13622.3	13777.1	13483.6	12606.7	12130.1	11966.5	11804.6
50°	13241.7	13336.0	13599.2	13958.5	14438.7	14340.9	13471.2	12948.2	12797.1	12612.1
52.5°	13014.0	13120.8	13458.7	14056.3	14821.1	14983.0	14351.6	13793.1	13650.8	13430.2
55°	12416.4	12480.5	12987.4	13834.0	14911.8	15431.2	15214.2	14693.1	14550.8	14243.1
57.5°	11308.4	11400.9	12139.0	13234.6	14684.2	15735.3	15971.9	15639.3	15502.3	15059.4
60°	9862.4	10010.0	10854.8	12227.9	14104.3	15733.5	16660.2	16569.5	16455.6	15863.4
62.5°	8226.0	8396.8	9209.6	10805.0	13090.5	15287.1	17090.6	17348.5	17289.8	16605.1
65°	6317.6	6435.0	7244.3	8964.2	11512.9	14328.4	17140.4	17880.3	17891.0	17168.9
67.5°	4206.4	4544.3	5246.9	6726.7	9399.9	12761.5	16702.9	17967.5	18070.6	17362.7
70°	2052.5	2497.2	3185.5	4371.8	6726.7	10358.6	15559.2	17252.5	17481.9	16797.1
72.5°	852.0	996.0	1371.3	2157.4	3861.4	6989.9	13261.3	15313.8	15738.9	14883.4
75°	574.5	622.5	784.4	1106.3	1759.0	3446.9	9563.6	11418.6	12103.4	11240.8
77.5°	442.9	473.1	570.9	773.7	1045.8	1303.7	5118.8	6881.4	7235.4	6698.2
80°	348.6	371.7	426.9	563.8	741.7	697.2	1744.8	3117.9	3322.4	2787.1
82.5°	302.4	311.3	305.9	382.4	492.7	407.3	572.7	1150.8	1269.9	921.3
85°	218.8	243.7	254.3	236.6	261.5	206.3	234.8	407.3	448.2	400.2
87.5°	88.9	131.6	161.9	153.0	96.0	58.7	72.9	119.2	137.0	149.4
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°
3754.6	0°	3754.6	3754.6	3754.6	3754.6	3754.6	3754.6	3754.6	3754.6	3754.6	3754.6
3756.4	2.5°	3758.2	3770.6	3779.5	3790.2	3797.3	3808.0	3829.3	3841.8	3843.6	3852.5
3784.9	5°	3792.0	3809.8	3829.3	3857.8	3889.8	3916.5	3957.4	3985.9	3996.5	4005.4
3854.2	7.5°	3864.9	3889.8	3925.4	3975.2	4021.4	4057.0	4106.8	4140.6	4174.4	4186.8
3964.5	10°	3973.4	4009.0	4060.6	4128.1	4177.9	4224.2	4275.8	4304.2	4338.0	4352.2
4096.1	12.5°	4108.6	4145.9	4213.5	4307.8	4354.0	4386.0	4403.8	4396.7	4403.8	4416.3
4254.4	15°	4263.3	4304.2	4380.7	4482.1	4514.1	4485.6	4446.5	4410.9	4405.6	4409.2
4446.5	17.5°	4446.5	4476.7	4565.7	4651.1	4627.9	4510.5	4425.2	4368.3	4339.8	4330.9
4692.0	20°	4702.6	4702.6	4775.6	4828.9	4674.2	4475.0	4341.6	4249.1	4190.4	4165.5
5026.3	22.5°	5013.9	4985.4	5031.7	4994.3	4665.3	4375.4	4190.4	4030.3	3941.4	3905.8
5494.1	25°	5408.7	5374.9	5362.5	5131.3	4601.2	4217.1	3916.5	3722.6	3644.4	3624.8
6168.2	27.5°	6004.6	5919.2	5757.3	5206.0	4483.9	3968.1	3596.3	3416.7	3372.2	3374.0
7034.4	30°	6797.8	6627.1	6230.5	5218.4	4291.8	3615.9	3269.1	3141.0	3119.7	3128.6
7761.8	32.5°	7532.4	7370.5	6714.2	5161.5	3996.5	3270.9	2975.6	2890.2	2858.2	2868.9
8316.8	35°	8108.7	8064.2	7162.4	5081.5	3633.7	2947.1	2712.4	2639.4	2577.2	2563.0
8839.7	37.5°	8652.9	8635.1	7498.6	4969.4	3274.4	2717.7	2500.7	2404.7	2314.0	2264.2
9417.7	40°	9250.5	9232.7	7719.1	4796.9	2956.0	2518.5	2310.4	2184.1	2072.1	1981.4
10072.2	42.5°	9922.8	9817.9	7824.1	4549.7	2685.7	2349.5	2155.7	1984.9	1837.3	1753.7
10812.1	45°	10657.4	10420.8	7822.3	4234.9	2458.0	2194.8	1990.3	1748.4	1611.4	1533.2
11571.6	47.5°	11436.4	10997.1	7726.3	3886.3	2237.5	2024.1	1734.1	1549.2	1458.5	1410.4
12396.9	50°	12240.4	11536.0	7562.6	3486.1	2011.6	1830.2	1574.1	1447.8	1378.4	1334.0
13215.0	52.5°	12996.3	12025.1	7365.2	3032.5	1782.2	1641.7	1502.9	1405.1	1332.2	1282.4
14008.3	55°	13698.8	12446.7	7086.0	2568.3	1595.4	1515.4	1469.1	1387.3	1303.7	1245.0
14814.0	57.5°	14323.1	12720.6	6604.0	2132.5	1462.0	1428.2	1433.6	1357.1	1261.0	1211.2
15607.3	60°	14842.5	12921.6	5890.7	1728.8	1353.5	1342.8	1378.4	1300.2	1188.1	1131.2
16277.8	62.5°	15153.7	12918.0	5015.7	1415.8	1261.0	1264.6	1305.5	1229.0	1115.2	1061.8
16628.2	65°	15127.0	12601.4	4055.2	1211.2	1172.1	1175.7	1229.0	1150.8	1054.7	1022.7
16452.1	67.5°	14591.7	11829.5	3110.8	1077.8	1074.3	1090.3	1152.5	1097.4	1017.4	1013.8
15402.7	70°	13142.1	10227.0	2241.0	971.1	972.9	996.0	1077.8	1063.6	997.8	1004.9
12950.0	72.5°	10538.2	7797.4	1504.7	859.1	860.8	898.2	1006.7	1036.9	978.2	1072.5
9188.3	75°	7018.4	4862.7	967.6	739.9	741.7	789.7	944.4	985.3	924.9	1068.9
4780.9	77.5°	3372.2	2185.9	700.8	622.5	622.5	667.0	816.4	882.2	787.9	830.6
1536.7	80°	1165.0	821.7	551.4	501.6	490.9	521.1	688.3	764.8	679.4	626.1
501.6	82.5°	458.9	426.9	442.9	389.5	353.9	373.5	535.4	631.4	499.8	451.8
282.8	85°	263.2	277.5	313.0	257.9	204.5	229.4	393.1	453.5	377.1	332.6
92.5	87.5°	71.1	97.8	144.1	133.4	92.5	97.8	186.8	250.8	217.0	167.2
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>
3754.6
3850.7
4003.6
4188.6
4359.4
4419.8
4421.6
4343.4
4160.2
3900.5
3628.4
3379.3
3158.8
2883.1
2573.6
2265.9
1990.3
1759.0
1529.6
1399.8
1317.9
1261.0
1221.9
1179.2
1106.3
1045.8
1020.9
<i>1019.1</i>
1003.1
1086.7
1077.8
761.2
586.9
450.0
339.7
172.5
0.0

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