

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: P852783

Luminaire Tested: **GLAN-SB6B-840-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852783
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6B-840-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30014 lumens
Efficiency: N/A
Efficacy: 136.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

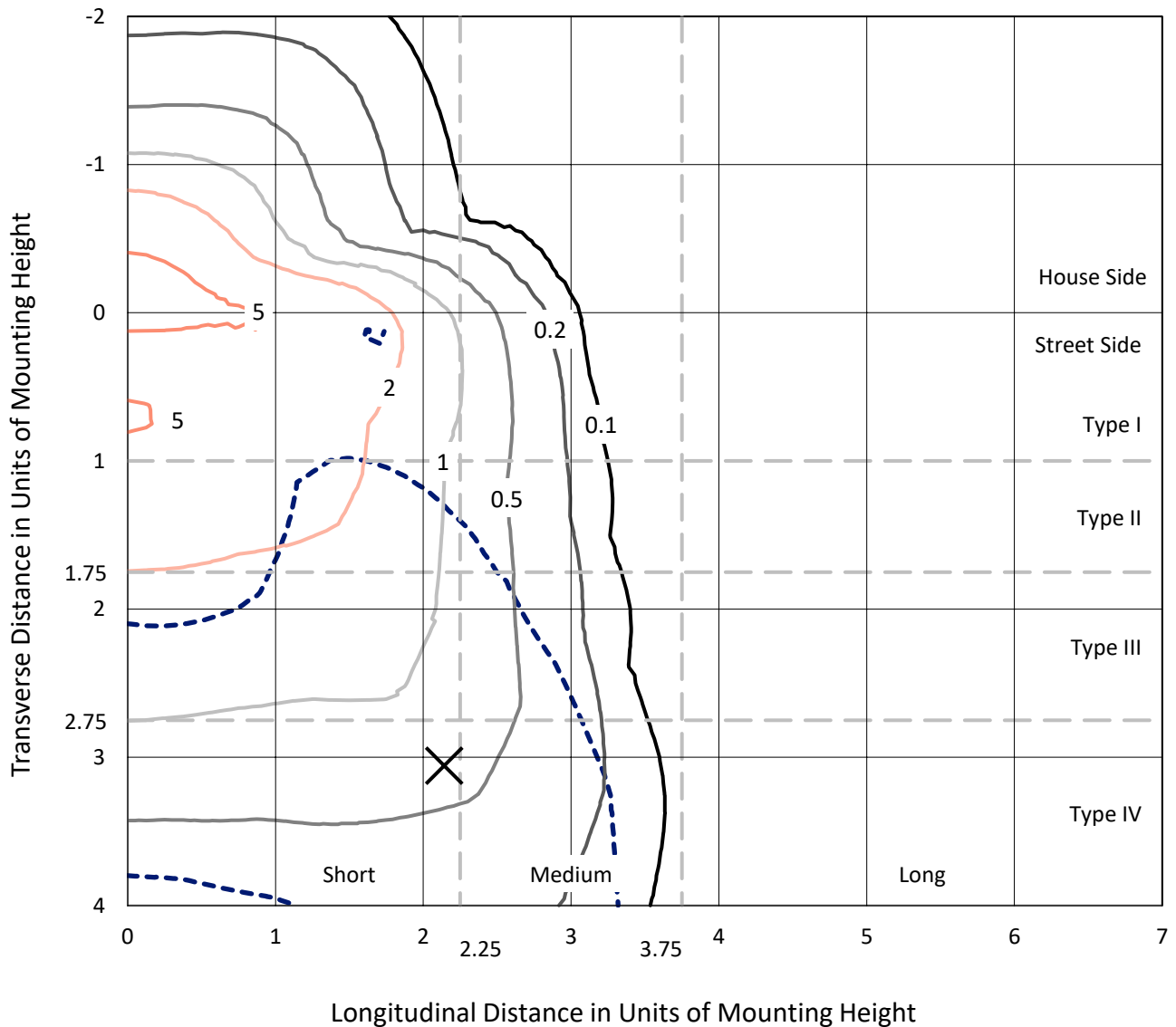
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

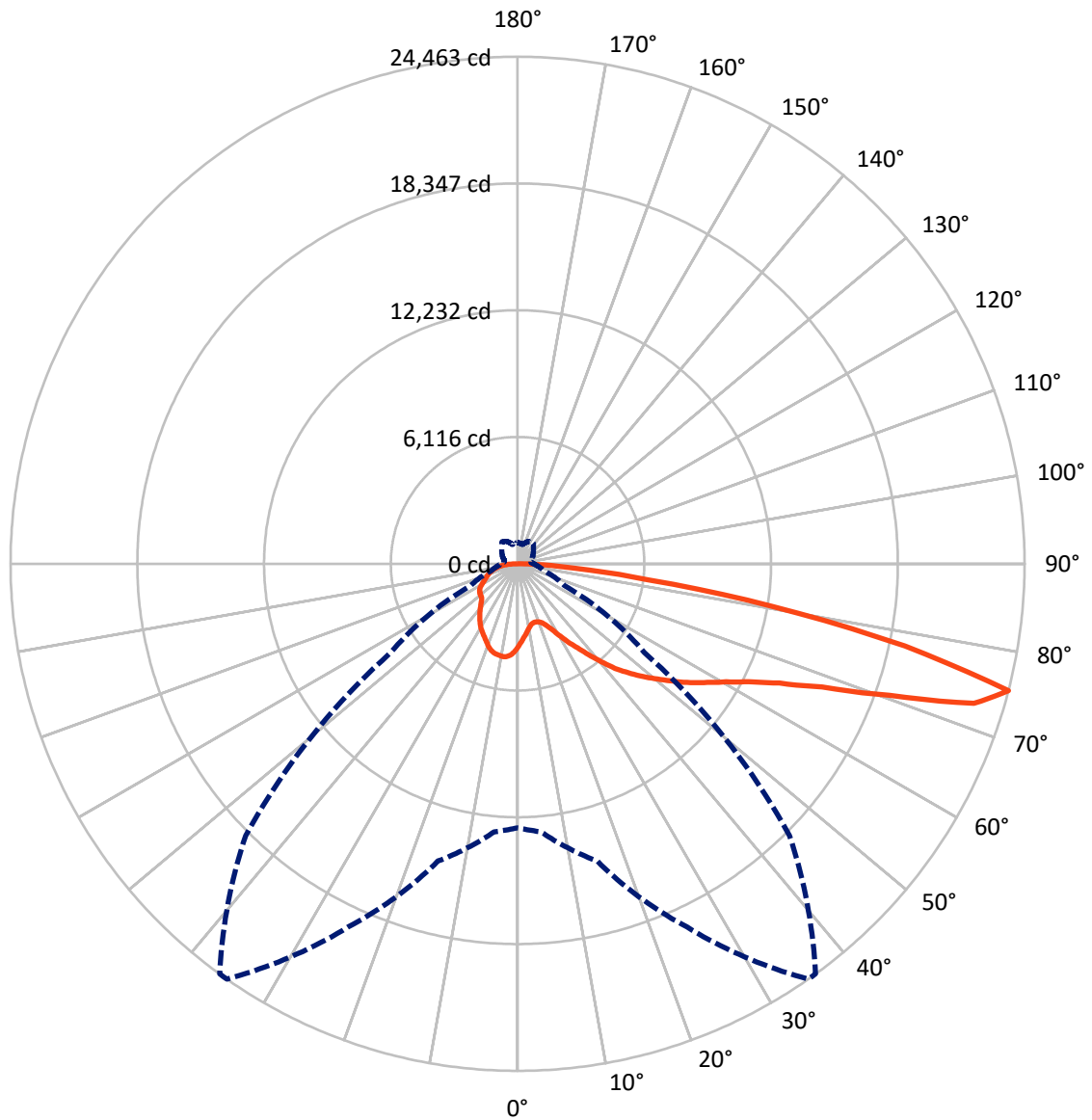
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7142.6	0.0	7142.6
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	22871.4	0.0	22871.4
	% Fixture	76.2	0.0	76.2
Total	Lumens	30014.0	0.0	30014.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	378.7	1.3
10°-20°	1092.3	3.6
20°-30°	1834.2	6.1
30°-40°	2850.6	9.5
40°-50°	4231.1	14.1
50°-60°	5841.3	19.5
60°-70°	7086.8	23.6
70°-80°	5856.7	19.5
80°-90°	842.4	2.8
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°	30014.0	100.0
0°-180°	30014.0	100.0

Coefficient of Utilization

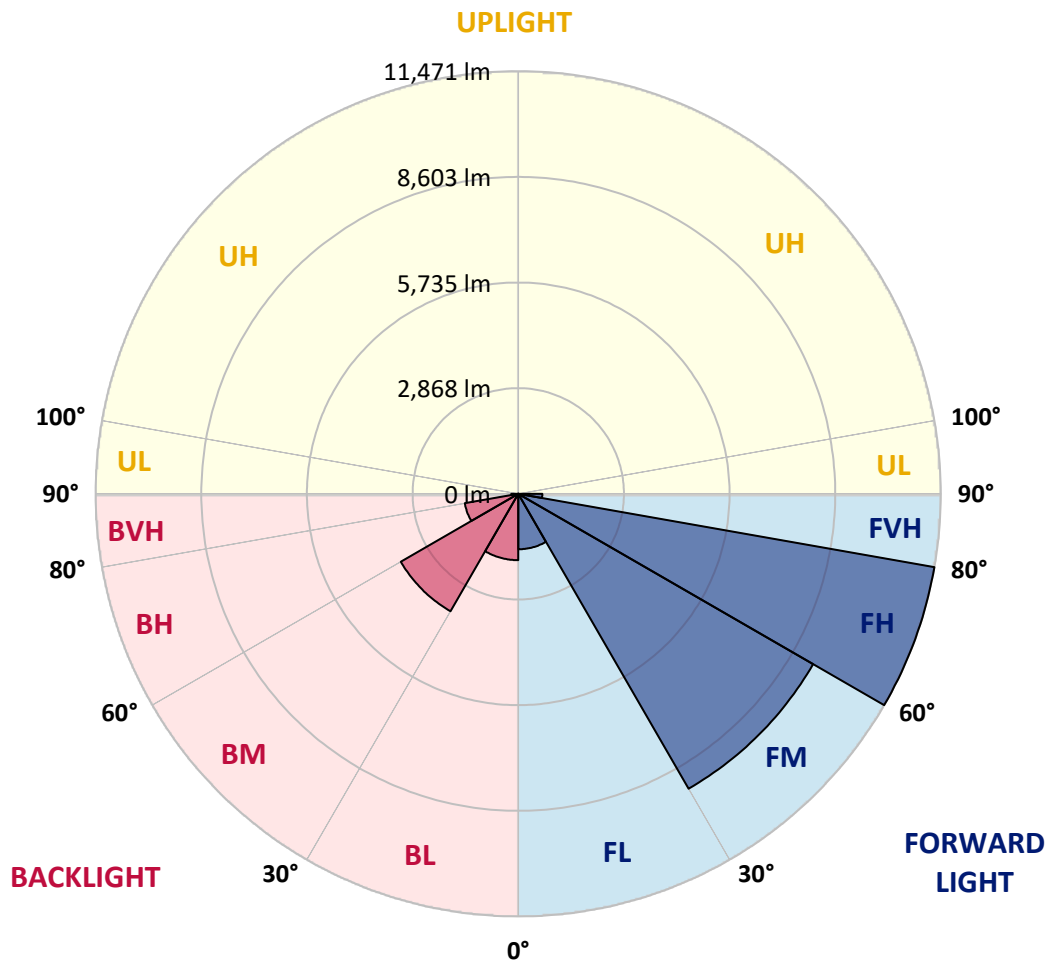


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1505.1	5.0			
FM (30°-60°)	9242.7	30.8			
FH (60°-80°)	11470.9	38.2			G4/12000
FVH (80°-90°)	652.7	2.2			G4/750
BL (0°-30°)	1800.0	6.0	B3/2500		
BM (30°-60°)	3680.3	12.3	B3/5000		
BH (60°-80°)	1472.6	4.9	B3/2500		G3/2500
BVH (80°-90°)	189.7	0.6			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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	3999.6	3999.6	3999.6	3999.6	3999.6	3999.6	3999.6	3999.6	3999.6	3999.6
2.5°	3688.0	3710.8	3720.5	3715.6	3740.0	3736.7	3770.8	3813.0	3871.4	3928.2
5°	3404.1	3428.4	3449.5	3469.0	3516.1	3530.7	3584.2	3665.3	3772.4	3881.1
7.5°	3139.6	3160.7	3193.2	3228.9	3308.4	3323.0	3412.2	3538.8	3688.0	3847.0
10°	2923.8	2944.9	2979.0	3019.6	3118.5	3136.4	3250.0	3418.7	3613.4	3814.6
12.5°	2831.3	2837.8	2857.3	2897.9	2983.9	2995.2	3120.2	3313.2	3540.4	3790.3
15°	2826.5	2839.5	2841.1	2862.2	2933.6	2938.4	3053.6	3245.1	3495.0	3785.4
17.5°	2875.1	2884.9	2870.3	2883.3	2943.3	2951.4	3042.3	3212.6	3480.4	3806.5
20°	3004.9	3013.1	2969.3	2951.4	2995.2	3001.7	3090.9	3233.7	3495.0	3850.3
22.5°	3280.8	3285.6	3178.6	3105.5	3108.8	3112.0	3189.9	3319.7	3551.7	3929.8
25°	3710.8	3707.5	3537.1	3396.0	3314.9	3297.0	3348.9	3459.3	3647.5	4035.3
27.5°	4213.7	4189.4	4019.0	3808.1	3631.3	3605.3	3593.9	3641.0	3783.8	4174.8
30°	4781.6	4758.9	4575.6	4299.7	4054.7	4012.5	3905.5	3881.1	3986.6	4364.6
32.5°	5404.7	5390.1	5171.0	4836.8	4509.0	4460.4	4280.3	4215.4	4298.1	4651.8
35°	5927.1	5914.2	5732.4	5388.5	4987.7	4927.7	4744.3	4671.3	4713.5	5020.1
37.5°	6399.3	6392.8	6237.1	5966.1	5552.3	5479.3	5273.3	5248.9	5240.8	5505.3
40°	6837.4	6821.2	6658.9	6516.1	6209.5	6142.9	5961.2	5940.1	5878.5	6102.4
42.5°	7322.5	7280.4	7045.1	6978.6	6895.8	6840.6	6731.9	6735.2	6598.9	6775.7
45°	7718.4	7694.1	7452.3	7413.4	7502.6	7479.9	7574.0	7598.4	7333.9	7481.5
47.5°	8143.5	8120.8	7916.4	7888.8	8130.6	8137.1	8469.7	8477.8	8051.1	8214.9
50°	8667.6	8635.2	8432.4	8466.4	8737.4	8761.7	9370.2	9315.0	8711.4	8959.7
52.5°	9013.2	9032.7	8988.9	9044.1	9414.0	9436.7	10256.1	10114.9	9365.3	9694.7
55°	9268.0	9306.9	9443.2	9569.8	10127.9	10150.6	11091.7	10875.9	9907.2	10376.2
57.5°	9595.7	9540.6	9795.3	10041.9	10806.1	10866.2	11904.6	11609.3	10387.5	10963.5
60°	10066.3	10027.3	10225.3	10590.3	11565.5	11661.2	12764.5	12269.7	10739.6	11429.2
62.5°	11020.3	10923.0	10953.8	11276.7	12522.8	12649.3	13734.8	12845.7	10914.8	11610.9
65°	12446.5	12279.4	12123.6	12347.6	13871.1	13996.1	14830.0	13298.4	10849.9	11258.8
67.5°	14242.7	14077.2	13885.7	14096.7	15857.1	15956.1	16181.6	13553.1	10338.8	9902.4
70°	15724.1	15662.4	15891.2	16759.2	19029.2	19032.4	17914.5	13342.2	8938.6	7020.7
72.5°	15527.7	15490.4	16696.0	19379.7	23027.1	22941.1	19554.9	11745.6	6021.3	3167.2
75°	12738.6	12980.3	14847.9	19332.6	24463.1	24451.7	18550.5	7466.9	2490.6	1312.6
77.5°	6830.9	7213.8	9639.5	14273.5	19097.3	19384.5	13042.0	2612.3	1069.3	840.5
80°	2227.8	2562.0	3842.2	7267.4	12409.2	12355.7	5589.7	1025.4	731.8	595.5
82.5°	945.9	984.9	1716.7	3431.7	6368.5	6269.5	1779.9	589.0	514.3	407.3
85°	369.9	413.7	757.7	1586.8	2758.3	2698.3	642.5	292.1	329.4	266.1
87.5°	121.7	147.7	271.0	543.6	858.3	827.5	157.4	100.6	142.8	121.7
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°
3999.6	0°	3999.6	3999.6	3999.6	3999.6	3999.6	3999.6	3999.6	3999.6	3999.6	3999.6
4010.9	2.5°	4033.6	4059.6	4090.4	4135.9	4174.8	4207.3	4241.3	4262.4	4270.5	4294.9
4017.4	5°	4062.8	4119.6	4195.9	4270.5	4343.5	4387.4	4426.3	4445.8	4463.6	4476.6
4035.3	7.5°	4111.5	4184.5	4304.6	4402.0	4463.6	4499.3	4525.3	4518.8	4525.3	4528.5
4054.7	10°	4153.7	4255.9	4398.7	4491.2	4538.3	4539.9	4533.4	4510.7	4499.3	4500.9
4083.9	12.5°	4204.0	4317.6	4471.7	4549.6	4562.6	4526.9	4499.3	4460.4	4445.8	4439.3
4127.7	15°	4272.2	4402.0	4551.2	4580.4	4548.0	4502.6	4455.5	4392.2	4359.8	4333.8
4202.4	17.5°	4354.9	4497.7	4612.9	4591.8	4522.0	4447.4	4371.1	4275.4	4208.9	4181.3
4304.6	20°	4470.1	4598.3	4659.9	4567.5	4462.0	4348.4	4218.6	4101.8	4040.1	4012.5
4434.4	22.5°	4609.6	4733.0	4705.4	4525.3	4376.0	4194.3	4032.0	3946.0	3915.2	3895.7
4601.5	25°	4776.8	4882.2	4737.8	4463.6	4234.8	3989.8	3864.9	3837.3	3822.7	3808.1
4806.0	27.5°	4994.2	5051.0	4762.2	4372.8	4014.2	3772.4	3727.0	3731.8	3727.0	3702.6
5089.9	30°	5281.4	5270.0	4784.9	4225.1	3761.1	3576.1	3579.3	3600.4	3603.7	3587.4
5485.8	32.5°	5659.4	5544.2	4796.2	4033.6	3519.3	3404.1	3407.3	3430.1	3446.3	3418.7
6003.4	35°	6117.0	5863.9	4778.4	3793.5	3332.7	3240.2	3215.9	3222.4	3227.2	3201.3
6631.3	37.5°	6650.8	6222.5	4698.9	3527.4	3178.6	3079.6	3027.7	2983.9	2957.9	2933.6
7342.0	40°	7236.5	6613.5	4552.9	3267.8	3006.6	2909.2	2831.3	2748.6	2661.0	2628.5
8094.9	42.5°	7849.9	7015.9	4376.0	3019.6	2808.6	2729.1	2646.4	2526.3	2394.9	2328.3
8876.9	45°	8485.9	7428.0	4202.4	2774.5	2605.8	2571.7	2476.0	2331.6	2188.8	2104.4
9660.6	47.5°	9109.0	7817.4	3947.6	2527.9	2416.0	2453.3	2378.6	2245.6	2086.6	1953.5
10437.8	50°	9704.4	8182.5	3530.7	2278.1	2261.8	2417.6	2346.2	2154.7	1973.0	1802.6
11200.4	52.5°	10295.0	8477.8	2996.8	2050.9	2179.1	2407.9	2304.0	2093.1	1870.8	1692.3
11917.6	55°	10796.4	8630.3	2482.5	1856.2	2059.0	2325.1	2253.7	2020.1	1726.4	1536.5
12409.2	57.5°	11082.0	8507.0	2054.1	1664.7	1893.5	2188.8	2167.7	1864.3	1554.4	1408.4
12504.9	60°	10958.7	8007.2	1703.7	1497.6	1736.1	2041.2	2018.4	1710.2	1423.0	1285.1
11992.2	62.5°	10278.8	7054.8	1426.2	1351.6	1593.3	1890.3	1869.2	1591.7	1322.4	1189.3
10630.9	65°	8909.4	5738.9	1210.4	1229.9	1448.9	1708.5	1739.4	1492.7	1242.9	1113.1
8224.7	67.5°	6795.2	4157.0	1041.7	1124.4	1307.8	1530.1	1619.3	1421.3	1176.3	1053.0
4758.9	70°	3873.0	2360.8	898.9	1022.2	1182.8	1364.6	1526.8	1364.6	1105.0	1002.7
1783.2	72.5°	1468.4	1083.9	777.2	920.0	1062.8	1225.0	1424.6	1275.3	1022.2	945.9
921.6	75°	783.7	660.4	653.9	799.9	924.8	1088.7	1296.4	1187.7	960.5	999.5
637.7	77.5°	533.8	467.3	546.8	684.7	774.0	937.8	1160.1	1054.7	832.4	829.1
441.3	80°	369.9	331.0	444.6	551.7	598.7	788.6	1012.5	905.4	678.2	632.8
272.6	82.5°	222.3	215.8	332.6	412.1	423.5	608.5	838.9	759.4	554.9	483.5
162.3	85°	121.7	128.2	212.6	241.8	246.6	425.1	657.1	587.4	426.7	358.6
58.4	87.5°	34.1	43.8	77.9	95.7	118.4	220.7	391.0	348.8	214.2	149.3
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>
3999.6
4293.2
4479.8
4533.4
4504.2
4436.0
4341.9
4182.9
4009.3
3899.0
3808.1
3707.5
3595.6
3431.7
3219.1
2949.8
2643.1
2336.5
2097.9
1938.9
1788.0
1672.8
1520.3
1388.9
1265.6
1168.2
1092.0
1033.6
989.8
933.0
<i>1031.9</i>
764.2
605.2
486.8
361.8
149.3
0.0

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