

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: P955430

Luminaire Tested: **GLAN-SB8B-850-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955430
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8B-850-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44137 lumens
Efficiency: N/A
Efficacy: 150.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - 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

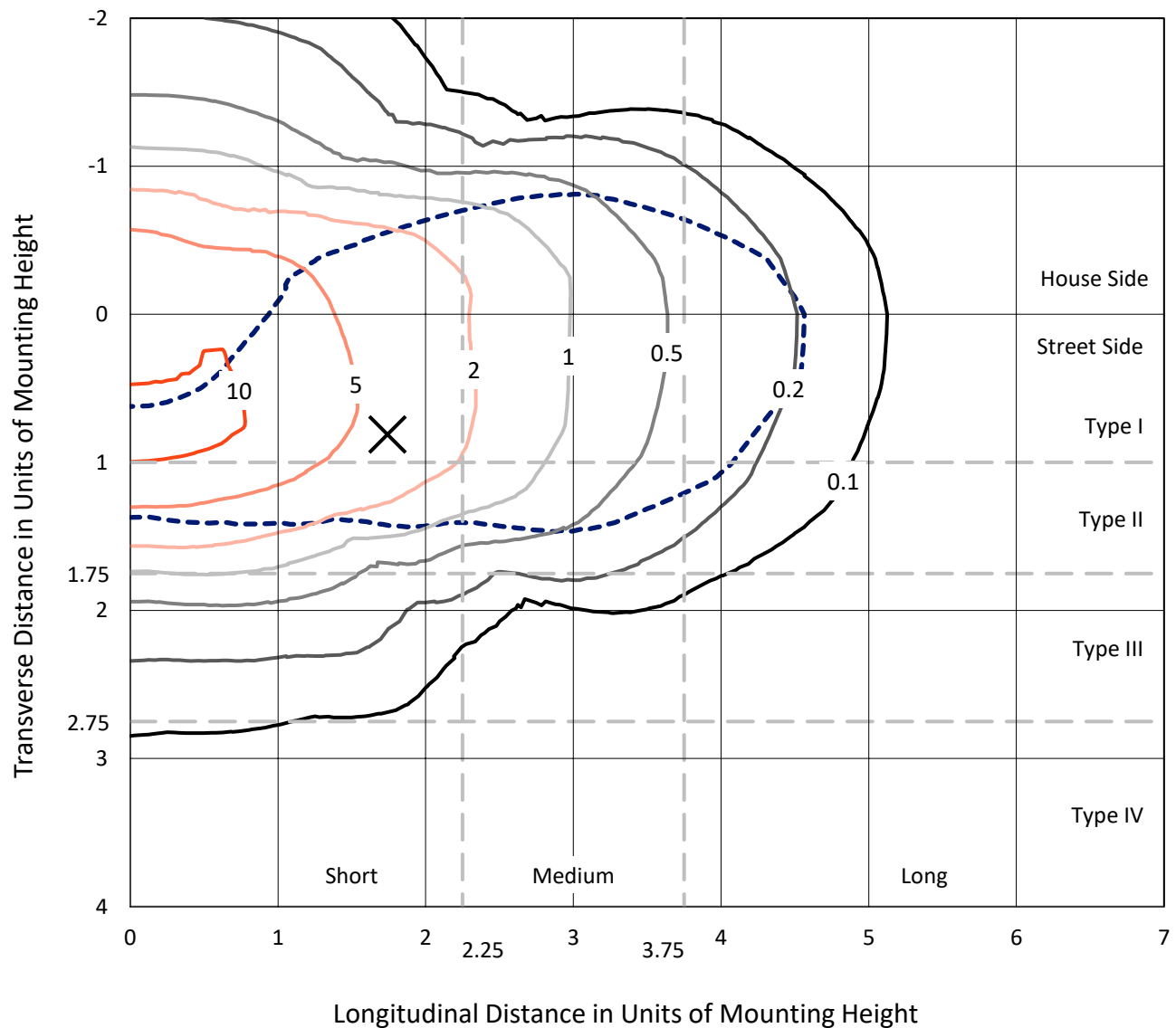


REPORT NUMBER: P955430

CATALOG NUMBER: GLAN-SB8B-850-U-T2U

Iso-Footcandle Lines of Horizontal Illumination

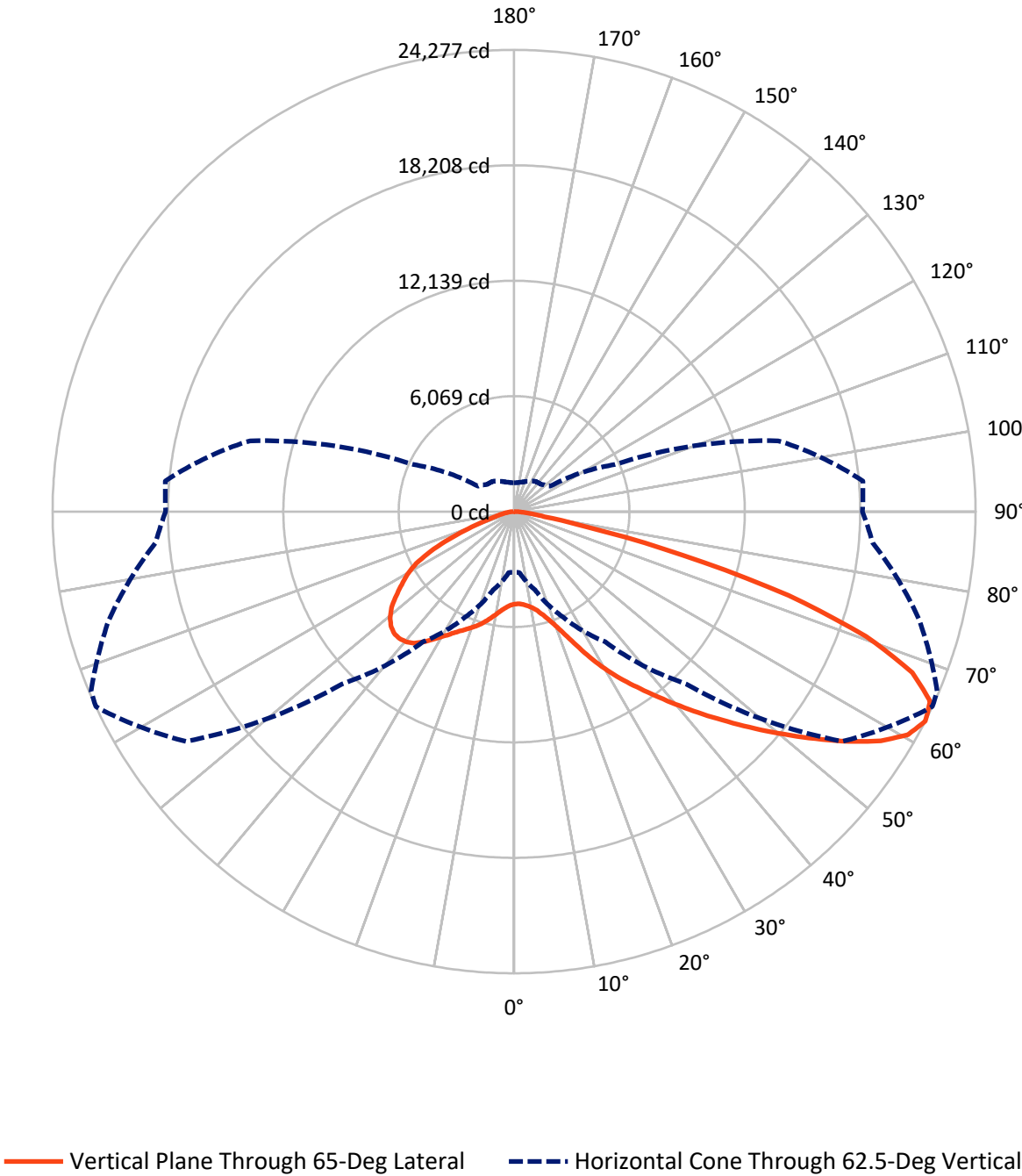
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.4 fc
Type II - Short - N/A

REPORT NUMBER: P955430
CATALOG NUMBER: GLAN-SB8B-850-U-T2U

Luminous Intensity Polar Plot



REPORT NUMBER: P955430

CATALOG NUMBER: GLAN-SB8B-850-U-T2U

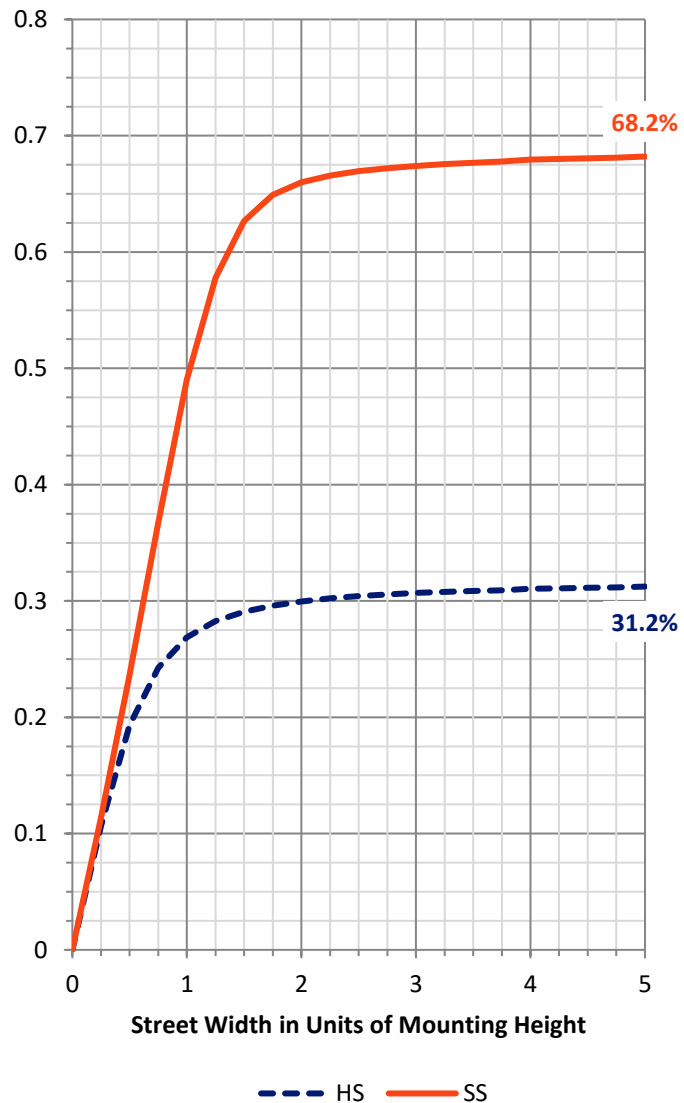
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13927.7	0.0	13927.7
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	30209.3	0.0	30209.3
	% Fixture	68.4	0.0	68.4
Total	Lumens	44137.0	0.0	44137.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	484.9	1.1
10°-20°	1644.4	3.7
20°-30°	3334.1	7.6
30°-40°	5769.6	13.1
40°-50°	8731.2	19.8
50°-60°	10236.8	23.2
60°-70°	8582.3	19.4
70°-80°	4738.1	10.7
80°-90°	615.5	1.4
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°	44137.0	100.0
0°-180°	44137.0	100.0

Coefficient of Utilization



REPORT NUMBER: P955430

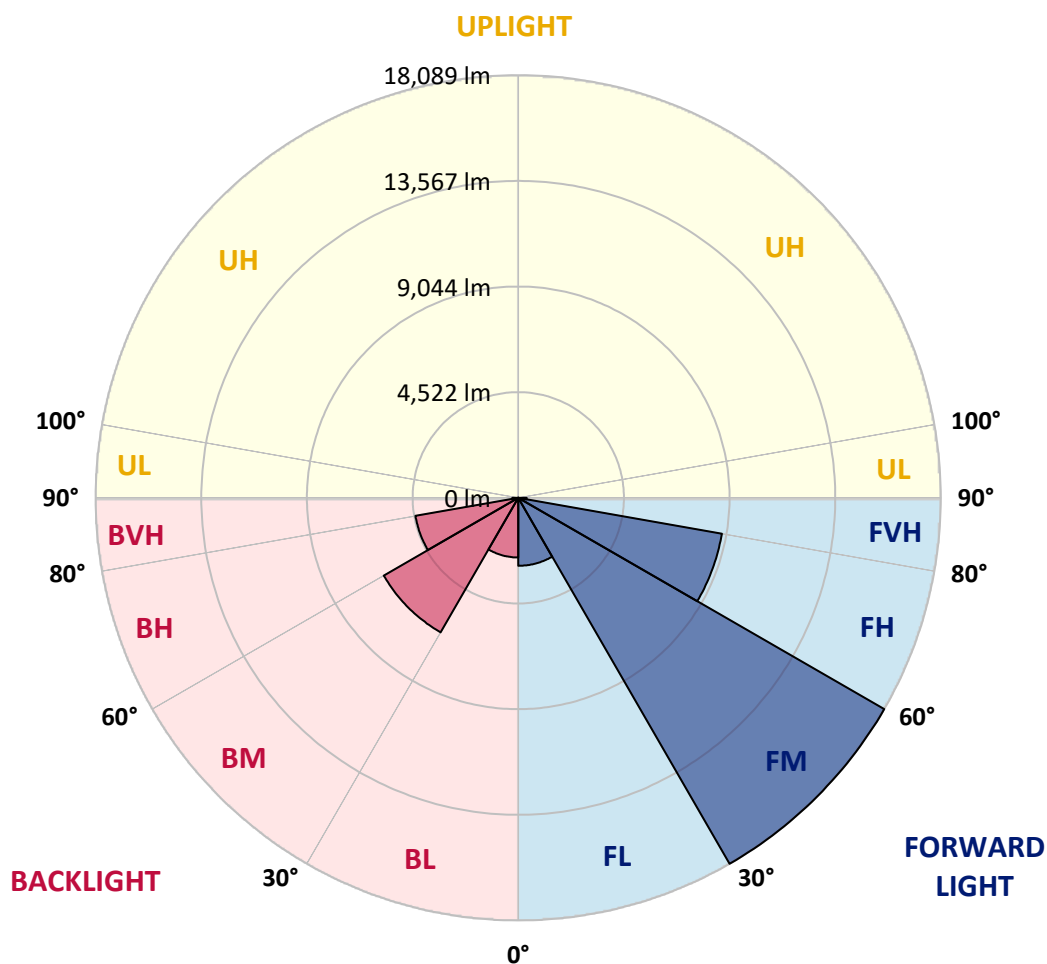
CATALOG NUMBER: GLAN-SB8B-850-U-T2U

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2909.2	6.6			
FM	(30°-60°)	18088.8	41.0			
FH	(60°-80°)	8852.6	20.1			G4/12000
FVH	(80°-90°)	358.7	0.8			G3/500
BL	(0°-30°)	2554.2	5.8	B4/5000		
BM	(30°-60°)	6648.9	15.1	B4/8500		
BH	(60°-80°)	4467.9	10.1	B4/5000		G4/5000
BVH	(80°-90°)	256.8	0.6			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type II Short



REPORT NUMBER: P955430

CATALOG NUMBER: GLAN-SB8B-850-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	4863.7	4863.7	4863.7	4863.7	4863.7	4863.7	4863.7	4863.7	4863.7	4863.7
2.5°	4831.6	4817.9	4829.4	4829.4	4833.9	4831.6	4847.7	4852.3	4859.1	4872.9
5°	4783.6	4781.3	4801.9	4820.2	4838.5	4854.5	4875.2	4904.9	4909.5	4925.5
7.5°	4767.5	4753.8	4785.9	4808.7	4852.3	4891.2	4946.1	4996.5	5017.1	5024.0
10°	4891.2	4868.3	4898.1	4911.8	4948.4	4987.4	5051.5	5131.6	5154.5	5182.0
12.5°	5101.9	5076.7	5120.2	5140.8	5175.1	5209.5	5253.0	5330.8	5342.3	5392.7
15°	5390.4	5360.6	5388.1	5413.3	5470.5	5502.6	5546.1	5621.7	5621.7	5660.6
17.5°	5781.9	5743.0	5763.6	5772.8	5809.4	5857.5	5930.8	5997.2	6031.5	6017.8
20°	6365.9	6317.8	6317.8	6272.0	6258.2	6297.2	6393.3	6484.9	6521.6	6450.6
22.5°	7242.9	7174.2	7135.3	6979.6	6917.7	6922.3	7018.5	7130.7	7160.5	7034.5
25°	8358.1	8250.4	8197.8	7968.8	7829.1	7707.7	7783.3	7927.6	7968.8	7813.1
27.5°	9473.2	9480.1	9429.7	9154.9	8923.7	8701.5	8662.6	8813.7	8857.3	8680.9
30°	11037.2	10874.6	10778.5	10448.7	10119.0	9807.6	9647.3	9709.1	9720.5	9509.9
32.5°	12386.0	12344.7	12138.7	11850.1	11426.5	10938.8	10670.8	10572.4	10554.1	10254.1
35°	13922.5	13899.6	13682.0	13338.6	12880.6	12202.8	11719.6	11438.0	11415.1	10993.7
37.5°	15484.2	15484.2	15271.2	14895.7	14421.7	13574.4	12839.4	12392.8	12319.6	11770.0
40°	16729.9	16654.3	16693.2	16535.2	15992.5	15092.6	14082.8	13434.7	13336.3	12676.8
42.5°	17437.4	17412.3	17645.8	17822.1	17600.0	16881.0	15452.1	14563.6	14426.2	13675.2
45°	17595.4	17568.0	17984.7	18630.5	18941.9	18646.5	16940.5	15752.1	15584.9	14719.4
47.5°	17231.4	17176.4	17787.8	18806.8	19805.2	20325.0	18552.6	17041.3	16798.6	15736.1
50°	16136.8	16084.1	17009.2	18362.6	20096.0	21465.3	20302.1	18408.3	18037.4	16826.0
52.5°	13757.6	13782.8	15232.3	17091.7	19713.6	22175.2	21808.8	19848.7	19402.2	17941.2
55°	10716.6	10771.6	12553.1	14600.3	18183.9	22067.6	22837.0	21332.5	20888.3	18990.0
57.5°	7673.4	7916.1	9585.4	11612.0	15246.0	20361.6	23061.4	22743.1	22312.6	20134.9
60°	4973.6	5017.1	6734.5	8777.1	11609.7	17329.8	22605.7	23812.5	23475.9	21302.8
62.5°	3187.5	3217.3	4263.8	6139.2	8355.8	12821.0	21071.5	24277.3	24174.3	22074.4
65°	2342.5	2319.6	2864.6	4057.7	5628.5	7907.0	18092.3	24052.9	24256.7	22557.6
67.5°	1955.6	1923.5	2191.4	2809.7	4147.0	4490.5	13386.6	22594.3	23340.8	22502.7
70°	1781.5	1754.0	1916.6	2086.1	3235.6	3006.6	6748.3	19642.6	20792.1	21877.5
72.5°	1509.0	1460.9	1683.1	1852.5	2516.6	2305.9	2789.1	15088.0	16489.4	19873.9
75°	1170.1	1138.1	1328.1	1630.4	1891.4	1799.8	1763.2	9161.8	10691.5	15369.7
77.5°	927.4	883.9	1057.9	1270.9	1701.4	1357.9	1284.6	3945.5	5461.4	9812.1
80°	698.4	659.5	803.7	1005.3	1307.5	1023.6	831.2	1609.8	2058.6	4971.3
82.5°	496.9	462.6	561.0	737.3	879.3	918.2	510.6	902.2	1014.4	1916.6
85°	318.3	297.7	375.5	462.6	558.7	590.8	311.4	471.7	517.5	790.0
87.5°	174.0	142.0	201.5	215.2	258.8	235.9	148.8	171.7	185.5	286.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P955430

CATALOG NUMBER: GLAN-SB8B-850-U-T2U

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4863.7	0°	4863.7	4863.7	4863.7	4863.7	4863.7	4863.7	4863.7	4863.7	4863.7	4863.7
4872.9	2.5°	4882.0	4888.9	4911.8	4918.7	4934.7	4955.3	4969.0	4982.8	4982.8	4996.5
4946.1	5°	4948.4	4964.5	5012.5	5037.7	5079.0	5120.2	5145.4	5175.1	5193.4	5202.6
5062.9	7.5°	5076.7	5101.9	5170.5	5214.1	5285.0	5342.3	5381.2	5422.4	5431.6	5456.8
5225.5	10°	5250.7	5280.5	5358.3	5440.8	5525.5	5596.5	5633.1	5662.9	5674.3	5678.9
5433.9	12.5°	5449.9	5493.4	5594.2	5694.9	5784.2	5846.1	5855.2	5848.4	5816.3	5788.8
5690.4	15°	5694.9	5733.9	5846.1	5956.0	6043.0	6054.4	5997.2	5960.6	5921.6	5914.8
5976.6	17.5°	5988.0	6008.6	6111.7	6219.3	6226.2	6187.3	6102.5	6068.2	6031.5	6006.4
6349.8	20°	6329.2	6322.4	6395.6	6441.4	6393.3	6274.3	6146.0	6088.8	6052.2	6022.4
6807.8	22.5°	6736.8	6684.2	6675.0	6663.6	6535.3	6285.7	6111.7	6038.4	5981.2	5939.9
7446.7	25°	7329.9	7128.4	6988.7	6910.9	6622.3	6223.9	6001.8	5839.2	5731.6	5660.6
8227.5	27.5°	8071.8	7732.9	7380.3	7190.2	6622.3	6098.0	5736.2	5472.8	5296.5	5223.2
8983.2	30°	8779.4	8424.5	7904.7	7526.8	6606.3	5891.9	5307.9	4941.6	4735.5	4662.2
9628.9	32.5°	9383.9	8996.9	8461.1	7895.5	6567.4	5557.5	4776.7	4371.4	4172.2	4085.1
10267.8	35°	9945.0	9532.8	9019.8	8300.8	6464.3	5067.5	4192.8	3883.6	3661.5	3521.8
10918.1	37.5°	10519.7	10029.7	9548.8	8667.2	6278.9	4495.0	3744.0	3480.6	3219.6	3031.8
11609.7	40°	11144.8	10558.6	10114.4	8884.7	5974.3	3950.0	3395.9	3155.5	2878.4	2679.2
12406.6	42.5°	11875.3	11192.9	10744.1	8996.9	5557.5	3563.1	3169.2	2933.3	2672.3	2509.7
13260.7	45°	12637.9	11891.3	11318.9	8994.7	5092.7	3382.2	3095.9	2862.4	2573.8	2404.4
14137.7	47.5°	13437.0	12621.8	11815.8	8848.1	4689.7	3407.3	3054.7	2708.9	2390.6	2225.8
15023.9	50°	14238.5	13421.0	12296.7	8573.3	4517.9	3352.4	2901.3	2493.7	2118.1	1969.3
15855.1	52.5°	15033.1	14270.5	12711.1	8181.7	4343.9	3148.6	2704.3	2214.3	2005.9	1902.9
16713.8	55°	15832.2	15110.9	13162.2	7611.6	3908.8	2910.4	2374.6	2109.0	1916.6	1822.7
17554.2	57.5°	16633.7	16081.8	13590.4	7041.4	3361.5	2617.3	2193.7	1980.7	1827.3	1747.2
18257.2	60°	17467.2	17192.4	14032.4	6517.0	2821.1	2241.8	2060.9	1877.7	1722.0	1632.7
18932.7	62.5°	18325.9	18415.2	14378.2	5841.5	2324.2	2012.8	1941.8	1754.0	1602.9	1518.2
19491.5	65°	19191.5	19594.5	14604.9	4904.9	1884.6	1795.3	1813.6	1618.9	1465.5	1392.2
19901.4	67.5°	19844.1	20444.1	14540.7	3711.9	1545.7	1589.2	1653.3	1477.0	1332.7	1275.5
19834.9	70°	19917.4	20343.3	13908.7	2541.8	1293.8	1387.7	1474.7	1337.3	1188.4	1147.2
18900.7	72.5°	18941.9	18969.4	12147.8	1660.2	1094.6	1218.2	1286.9	1195.3	1051.1	1009.8
16535.2	75°	16384.1	15688.0	8919.1	1094.6	916.0	1046.5	1110.6	1046.5	906.8	916.0
12372.2	77.5°	12413.4	11110.5	5415.6	778.6	764.8	879.3	966.3	920.5	801.5	899.9
6221.6	80°	6395.6	6010.9	2415.8	581.6	604.5	703.0	794.6	735.1	634.3	604.5
1390.0	82.5°	1465.5	1703.7	952.6	416.8	437.4	506.1	606.8	551.9	455.7	384.7
579.3	85°	512.9	561.0	421.3	261.0	256.5	316.0	412.2	368.7	309.1	247.3
245.0	87.5°	162.6	213.0	158.0	105.3	109.9	142.0	190.1	174.0	144.3	93.9
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

180°
4863.7
4996.5
5207.2
5447.6
5667.5
5788.8
5914.8
6008.6
6024.7
5953.7
5688.1
5259.9
4705.7
4128.7
3567.6
3082.2
2718.1
2541.8
2431.9
2248.7
1978.5
1902.9
1813.6
1733.4
1625.8
1515.9
1390.0
1277.8
1149.5
1007.5
883.9
792.3
551.9
380.1
261.0
98.5
0.0