

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: P850226

Luminaire Tested: **GLAN-SB7C-850-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850226
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7C-850-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 45313 lumens
Efficiency: N/A
Efficacy: 129.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

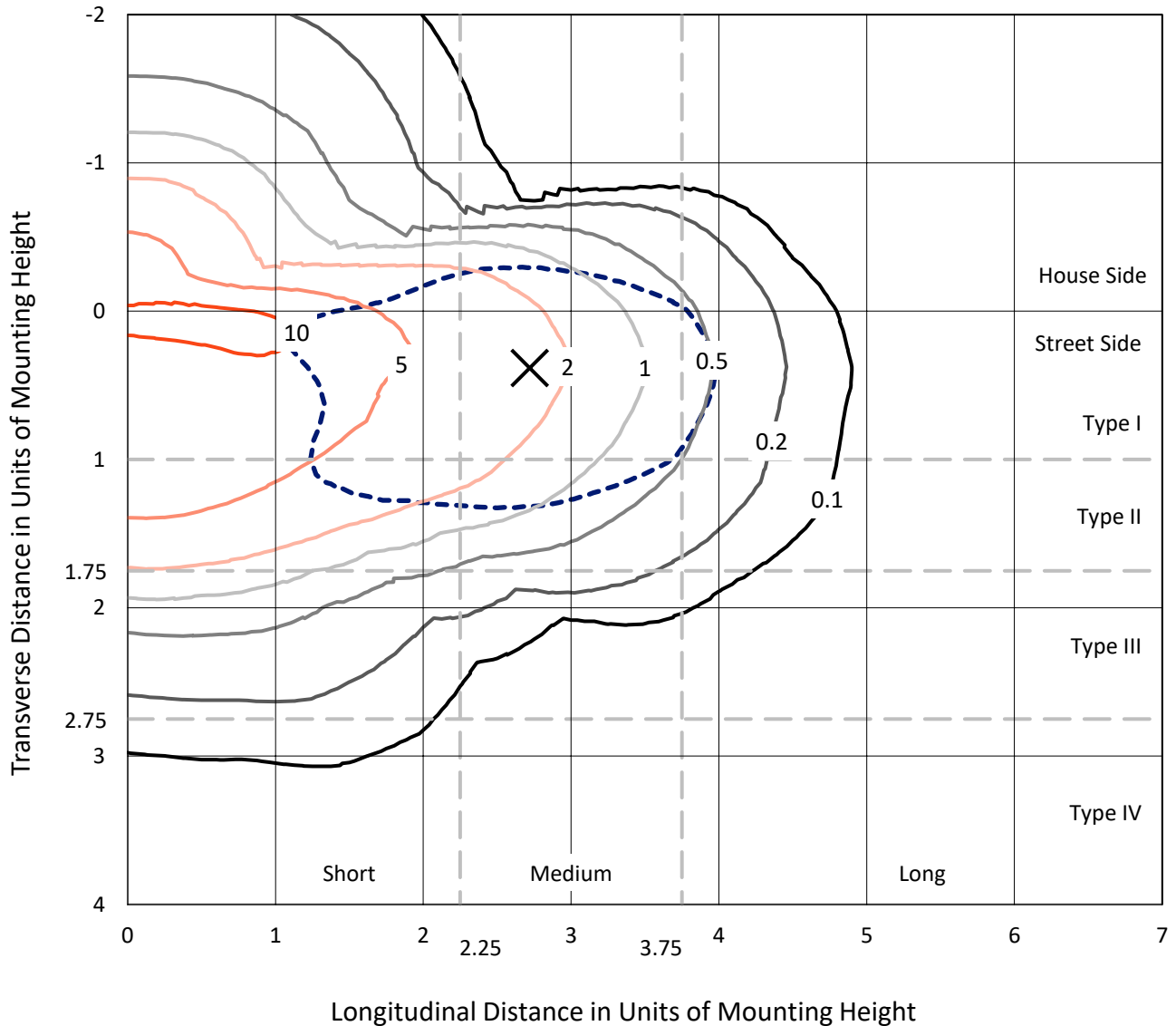
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

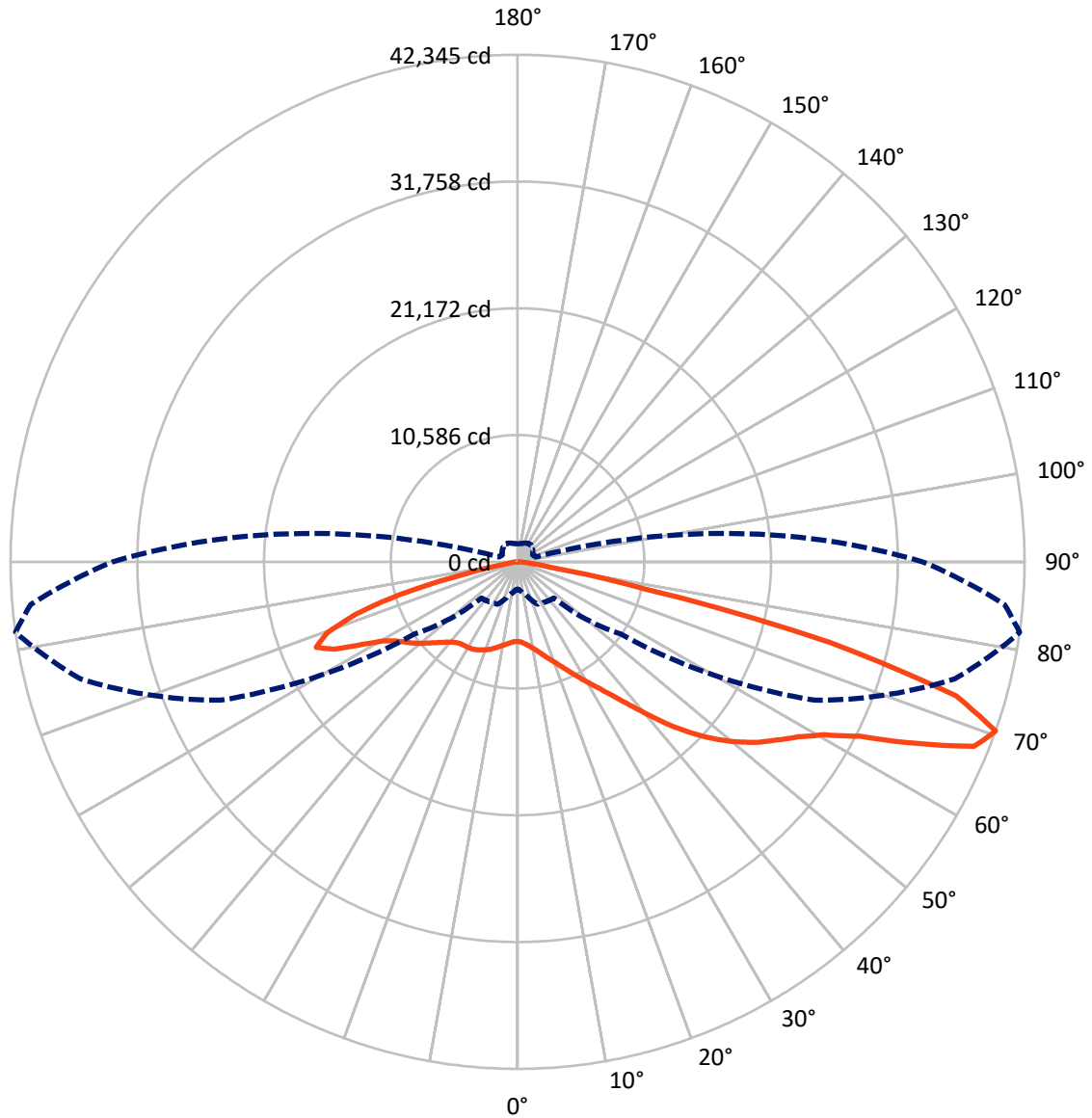
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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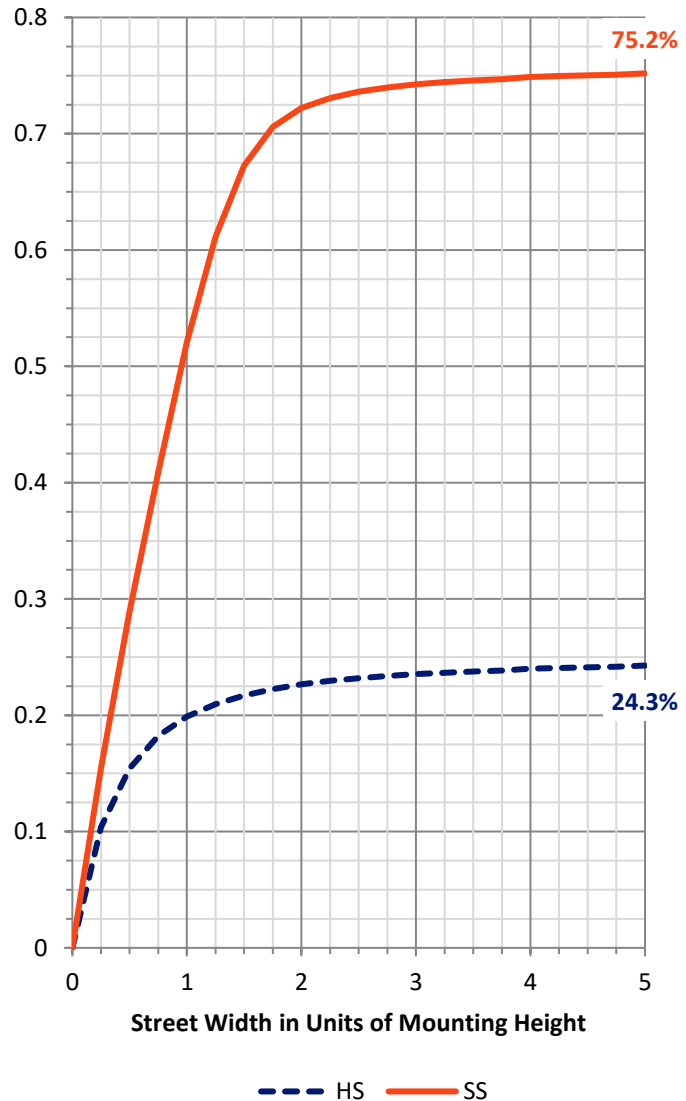
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11170.8	0.0	11170.8
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	34142.2	0.0	34142.2
	% Fixture	75.3	0.0	75.3
Total	Lumens	45313.0	0.0	45313.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	627.3	1.4
10°-20°	1802.1	4.0
20°-30°	3014.8	6.7
30°-40°	4709.9	10.4
40°-50°	7501.1	16.6
50°-60°	10438.7	23.0
60°-70°	10919.4	24.1
70°-80°	5707.0	12.6
80°-90°	592.6	1.3
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°	45313.0	100.0
0°-180°	45313.0	100.0

Coefficient of Utilization

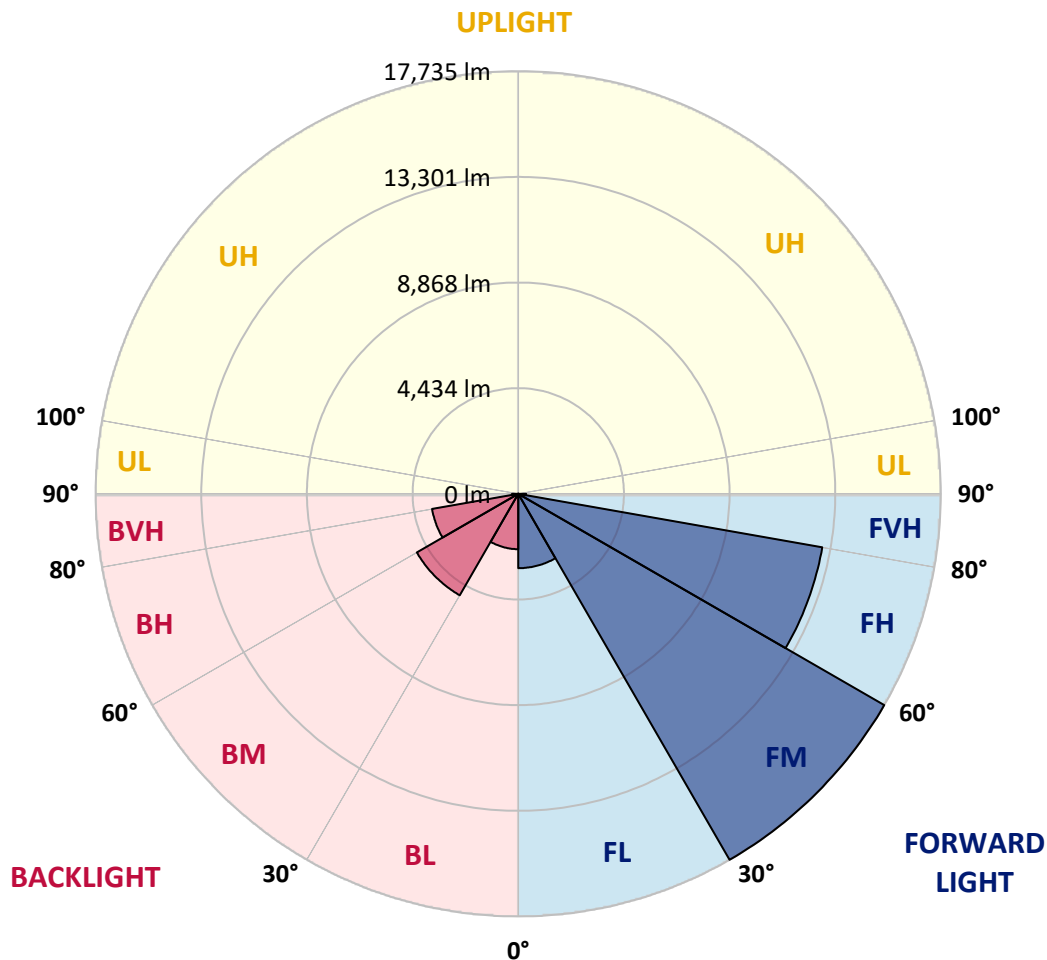


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3120.3	6.9			
FM (30°-60°)	17735.1	39.1			
FH (60°-80°)	12955.1	28.6			G5
FVH (80°-90°)	331.8	0.7			G3/500
BL (0°-30°)	2323.9	5.1	B3/2500		
BM (30°-60°)	4914.7	10.8	B3/5000		
BH (60°-80°)	3671.3	8.1	B4/5000		G4/5000
BVH (80°-90°)	260.9	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-G5
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	6643.5	6643.5	6643.5	6643.5	6643.5	6643.5	6643.5	6643.5	6643.5	6643.5
2.5°	6802.1	6840.6	6828.6	6816.6	6816.6	6799.7	6797.3	6773.3	6754.1	6722.8
5°	6888.7	6929.6	6924.8	6934.4	6965.6	6972.9	6980.1	6965.6	6927.2	6888.7
7.5°	6811.8	6857.4	6871.9	6929.6	7025.8	7112.3	7177.2	7203.7	7167.6	7112.3
10°	6552.1	6602.6	6653.1	6790.1	6960.8	7165.2	7338.3	7441.7	7434.5	7381.6
12.5°	6025.5	6078.4	6186.6	6453.5	6766.1	7126.7	7448.9	7665.3	7739.9	7701.4
15°	5604.7	5650.4	5732.2	6006.3	6412.6	6960.8	7489.8	7910.6	8100.5	8078.9
17.5°	5592.7	5612.0	5662.4	5792.3	6104.9	6701.2	7446.5	8151.0	8514.1	8511.7
20°	5804.3	5811.5	5840.4	5866.8	6044.7	6504.0	7335.9	8350.6	8978.2	8978.2
22.5°	6097.6	6092.8	6121.7	6097.6	6184.2	6487.2	7266.2	8526.1	9495.1	9533.6
25°	6537.7	6513.6	6506.4	6451.1	6467.9	6643.5	7343.1	8725.7	10108.2	10187.6
27.5°	7124.3	7085.9	7059.4	6932.0	6888.7	6965.6	7578.8	8966.1	10791.1	10928.2
30°	7888.9	7819.2	7780.7	7559.5	7403.3	7415.3	7934.6	9285.9	11505.2	11726.4
32.5°	8932.5	8824.3	8720.9	8357.8	8071.7	7977.9	8393.9	9728.3	12279.4	12632.9
35°	10101.0	10014.5	9903.9	9343.6	8903.6	8687.2	9014.2	10346.3	13185.9	13746.2
37.5°	11226.3	11151.8	11204.7	10449.7	9882.2	9567.2	9826.9	11175.8	14304.0	15131.1
40°	12390.1	12332.3	12339.6	11618.2	10957.0	10603.6	10812.7	12216.9	15585.5	16778.1
42.5°	13654.8	13611.5	13467.2	12827.7	12084.7	11755.3	11947.6	13419.1	16960.9	18653.6
45°	15071.0	15044.5	14909.9	14176.5	13325.4	12955.1	13214.8	14746.4	18343.4	20418.5
47.5°	16294.9	16316.5	16299.7	15681.7	14799.3	14255.9	14566.1	16131.4	19629.8	22077.5
50°	16883.9	16996.9	17162.9	16970.5	16422.3	15869.3	15929.4	17468.2	20856.1	23633.2
52.5°	16576.2	16790.2	17242.2	17550.0	17761.6	17646.1	17485.0	18795.5	22010.2	25037.4
55°	15429.3	15729.8	16480.0	17223.0	18302.6	19141.7	19353.3	20267.0	23135.5	26273.3
57.5°	13339.8	13827.9	14501.1	16003.9	17821.7	19865.4	21531.7	22308.3	24328.1	27593.3
60°	9757.2	10411.2	11247.9	13484.1	16138.6	19478.3	23385.5	25443.7	26023.2	29302.8
62.5°	6244.3	6648.3	7417.7	9524.0	12575.2	17494.7	23953.0	29363.0	28896.5	32106.4
65°	4275.1	4534.8	5239.3	6422.2	8129.4	13022.4	22433.4	32301.2	33460.1	36549.8
67.5°	3106.5	3303.7	3904.8	4941.1	5297.0	7706.2	17408.1	32166.5	37896.3	41127.9
70°	2265.0	2404.4	2909.4	3904.8	4075.5	4287.1	10545.8	27343.2	37800.1	42344.5
72.5°	1678.3	1774.5	2113.5	3029.6	3298.9	2894.9	5220.0	19872.7	32481.5	38300.2
75°	1214.2	1286.4	1536.4	2317.9	2640.1	2204.9	2604.0	11613.4	22657.0	26941.7
77.5°	928.1	983.4	1146.9	1697.5	2113.5	1654.3	1615.8	5342.7	10743.0	10795.9
80°	745.4	781.4	870.4	1195.0	1620.6	1238.3	1053.1	2156.8	3395.1	2873.3
82.5°	548.2	608.3	735.8	839.1	1158.9	853.6	642.0	1089.2	1291.2	1110.8
85°	312.6	353.5	444.8	601.1	740.6	521.8	367.9	483.3	601.1	492.9
87.5°	110.6	144.3	156.3	235.6	322.2	216.4	141.9	139.5	197.2	146.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P850226
 CATALOG NUMBER: GLAN-SB7C-850-U-T2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
6643.5	0°	6643.5	6643.5	6643.5	6643.5	6643.5	6643.5	6643.5	6643.5	6643.5	6643.5
6715.6	2.5°	6691.5	6679.5	6631.4	6566.5	6499.2	6434.3	6412.6	6366.9	6335.7	6318.9
6871.9	5°	6826.2	6787.7	6674.7	6530.4	6379.0	6215.5	6100.1	5994.3	5917.3	5845.2
7085.9	7.5°	7018.5	6951.2	6756.5	6504.0	6234.7	5963.0	5761.0	5607.1	5503.8	5436.4
7335.9	10°	7242.2	7138.8	6840.6	6463.1	6047.2	5657.6	5419.6	5287.4	5222.4	5186.4
7622.1	12.5°	7499.4	7352.8	6927.2	6369.3	5761.0	5316.2	5152.7	5114.2	5116.6	5119.0
7982.7	15°	7816.8	7612.4	6996.9	6165.0	5388.3	5054.1	5025.3	5087.8	5152.7	5184.0
8391.5	17.5°	8175.1	7886.5	7008.9	5828.3	5022.9	4885.8	4977.2	5111.8	5210.4	5253.7
8848.3	20°	8559.8	8165.5	6922.4	5352.3	4722.3	4748.8	4912.3	5085.4	5193.6	5248.9
9370.1	22.5°	8999.8	8463.6	6715.6	4852.1	4477.1	4599.7	4792.0	4960.3	5073.4	5128.7
9983.2	25°	9502.3	8797.8	6391.0	4431.4	4265.5	4431.4	4623.7	4763.2	4854.6	4905.0
10668.5	27.5°	10060.2	9146.5	5958.2	4097.2	4080.3	4258.3	4416.9	4525.1	4573.2	4611.7
11397.0	30°	10620.4	9463.9	5434.0	3844.7	3919.2	4087.5	4200.5	4248.6	4263.1	4270.3
12209.7	32.5°	11226.3	9738.0	4883.4	3635.5	3765.3	3921.6	3989.0	4010.6	3943.3	3897.6
13195.5	35°	11959.7	10031.3	4344.8	3469.6	3613.9	3748.5	3770.2	3750.9	3671.6	3577.8
14431.4	37.5°	12866.1	10396.8	3914.4	3351.8	3472.0	3561.0	3534.5	3529.7	3536.9	3426.3
15917.4	40°	13977.0	10872.9	3599.4	3260.4	3356.6	3375.8	3301.3	3342.2	3378.2	3209.9
17547.6	42.5°	15210.5	11447.5	3399.9	3197.9	3260.4	3214.7	3099.3	3145.0	3140.2	2919.0
19185.0	45°	16468.0	12072.7	3330.1	3152.2	3171.4	3080.1	2952.6	2964.7	2863.7	2664.1
20755.1	47.5°	17718.3	12743.5	3373.4	3113.7	3060.8	2957.5	2858.9	2806.0	2656.9	2507.8
22260.3	50°	18944.5	13448.0	3532.1	3036.8	2909.4	2849.3	2777.1	2683.3	2524.7	2397.2
23683.7	52.5°	20081.8	14157.3	3710.0	2909.4	2719.4	2755.5	2709.8	2601.6	2445.3	2315.5
25030.2	55°	21159.0	14866.6	3779.8	2733.8	2541.5	2673.7	2647.3	2447.7	2260.2	2154.4
26439.2	57.5°	22332.4	15720.2	3702.8	2510.2	2397.2	2580.0	2479.0	2257.8	2149.6	2070.2
28273.7	60°	23957.8	17059.5	3536.9	2233.7	2260.2	2440.5	2267.4	2176.0	2058.2	1969.2
31024.4	62.5°	26658.0	19557.7	3270.0	1959.6	2099.1	2233.7	2166.4	2075.0	1954.8	1868.2
35727.5	65°	30649.3	23029.7	2767.5	1745.6	1918.7	2031.7	2058.2	1966.8	1841.8	1750.4
39848.7	67.5°	34015.5	25208.1	2094.3	1567.7	1733.6	1868.2	1942.8	1853.8	1721.6	1632.6
40812.9	70°	33830.4	23626.0	1598.9	1392.2	1570.1	1707.1	1803.3	1733.6	1591.7	1507.6
37071.6	72.5°	30048.2	19764.5	1293.6	1214.2	1404.2	1538.8	1654.3	1601.4	1457.1	1375.3
27158.1	75°	22075.1	14029.9	1033.9	1033.9	1197.4	1363.3	1490.7	1457.1	1324.8	1267.1
11401.8	77.5°	9305.2	5886.1	810.3	858.4	995.4	1171.0	1329.7	1341.7	1226.3	1298.4
3015.2	80°	2474.2	1623.0	617.9	675.6	781.4	966.6	1156.5	1151.7	1026.7	959.4
1120.5	82.5°	942.5	639.6	440.0	476.1	565.0	740.6	916.1	944.9	819.9	709.3
440.0	85°	363.1	274.1	271.7	286.1	329.4	490.5	692.5	716.5	617.9	524.2
122.6	87.5°	93.8	81.8	101.0	96.2	151.5	262.1	396.7	411.2	377.5	218.8
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>
6643.5
6338.1
5874.0
5450.9
5196.0
5123.8
5181.6
5263.3
5263.3
5143.1
4919.5
4626.1
4287.1
3912.0
3582.6
3433.5
3214.7
2916.6
2671.3
2507.8
2387.6
2317.9
2144.8
2063.0
1964.4
1868.2
1755.2
1635.0
<i>1514.8</i>
1375.3
1250.3
1178.2
892.0
709.3
541.0
312.6
0.0

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