

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: P849545

Luminaire Tested: **GLAN-SB6C-850-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849545
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6C-850-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28475 lumens
Efficiency: N/A
Efficacy: 94.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

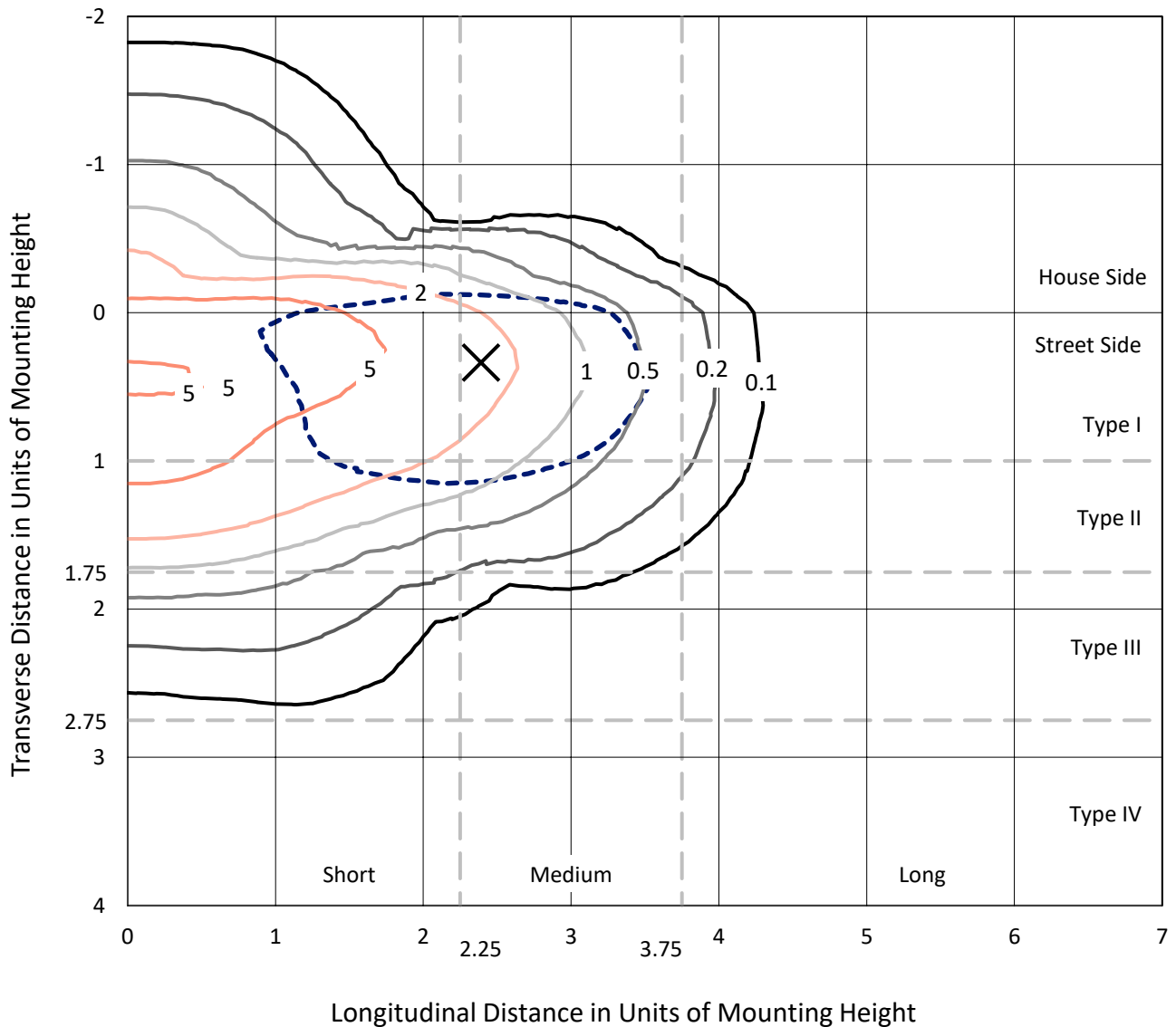
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

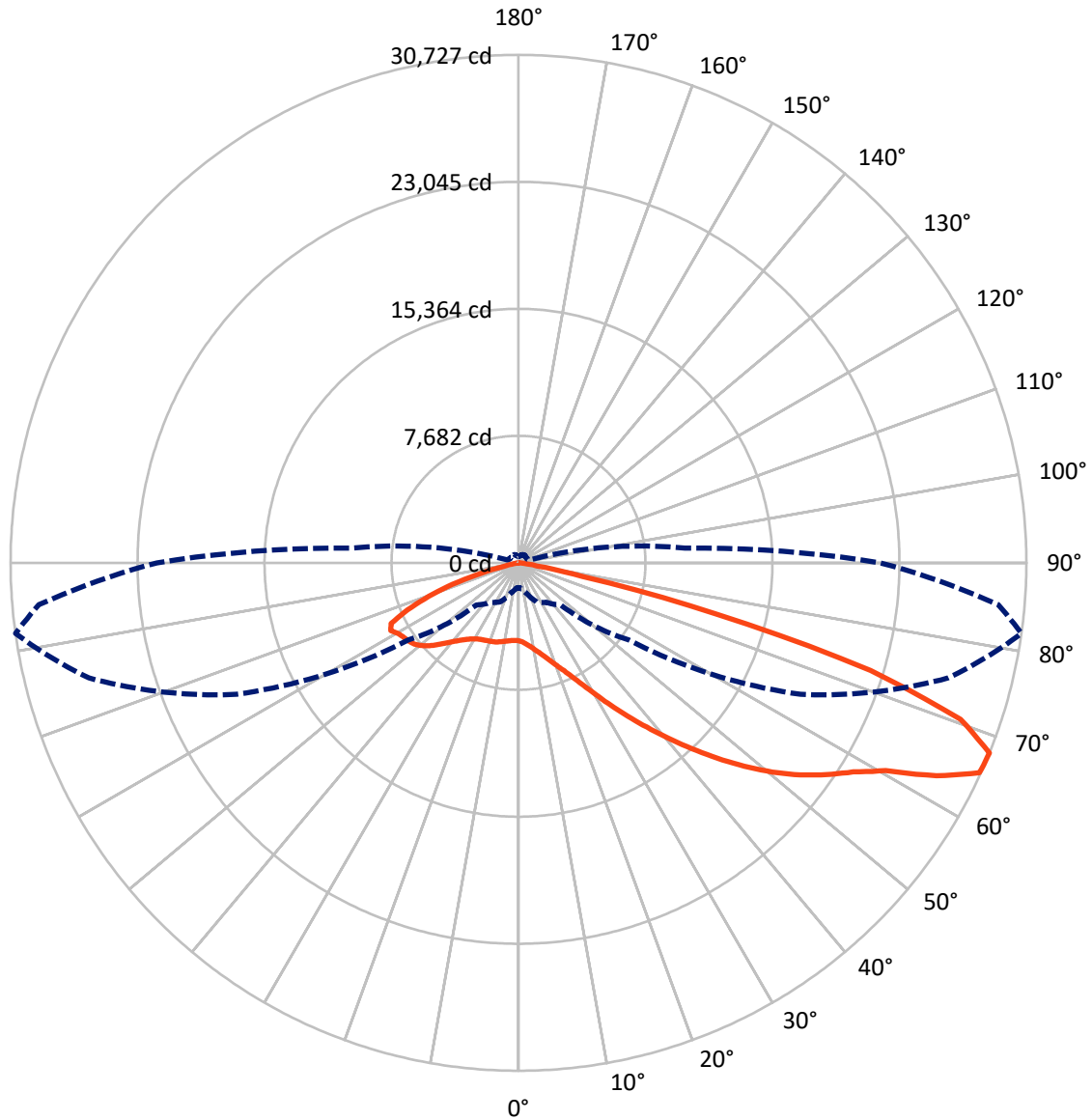
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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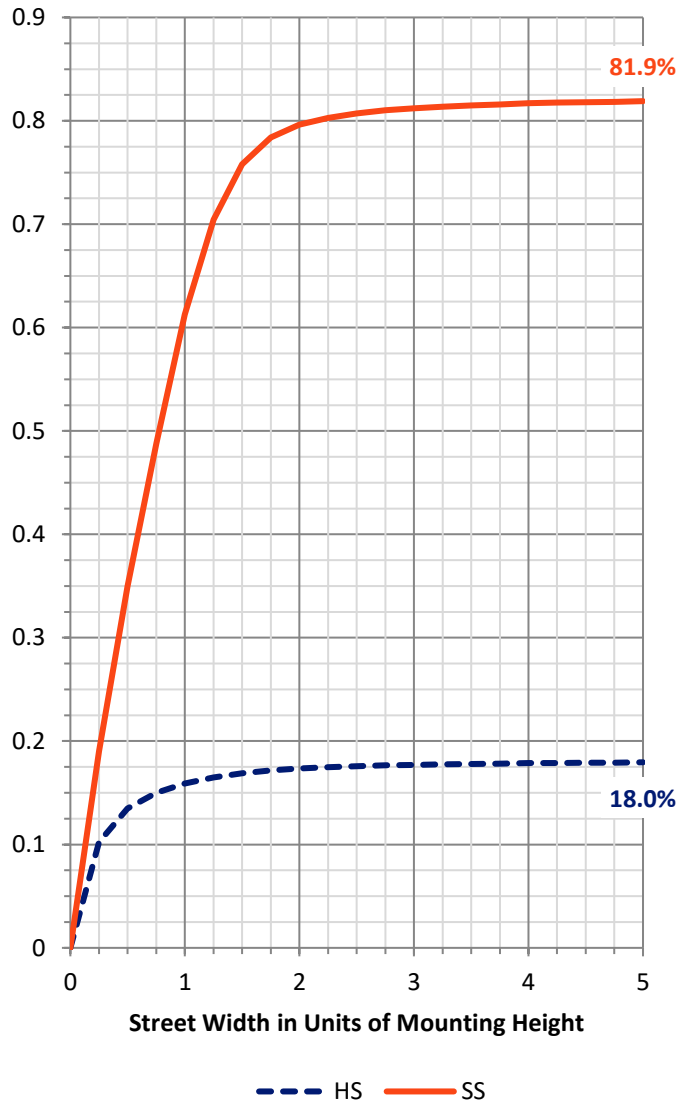
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5158.0	0.0	5158.0
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	23317.0	0.0	23317.0
	% Fixture	81.9	0.0	81.9
Total	Lumens	28475.0	0.0	28475.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	420.3	1.5
10°-20°	1092.1	3.8
20°-30°	1749.3	6.1
30°-40°	3093.2	10.9
40°-50°	5419.6	19.0
50°-60°	7228.3	25.4
60°-70°	6729.1	23.6
70°-80°	2582.6	9.1
80°-90°	160.4	0.6
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°	28475.0	100.0
0°-180°	28475.0	100.0

Coefficient of Utilization

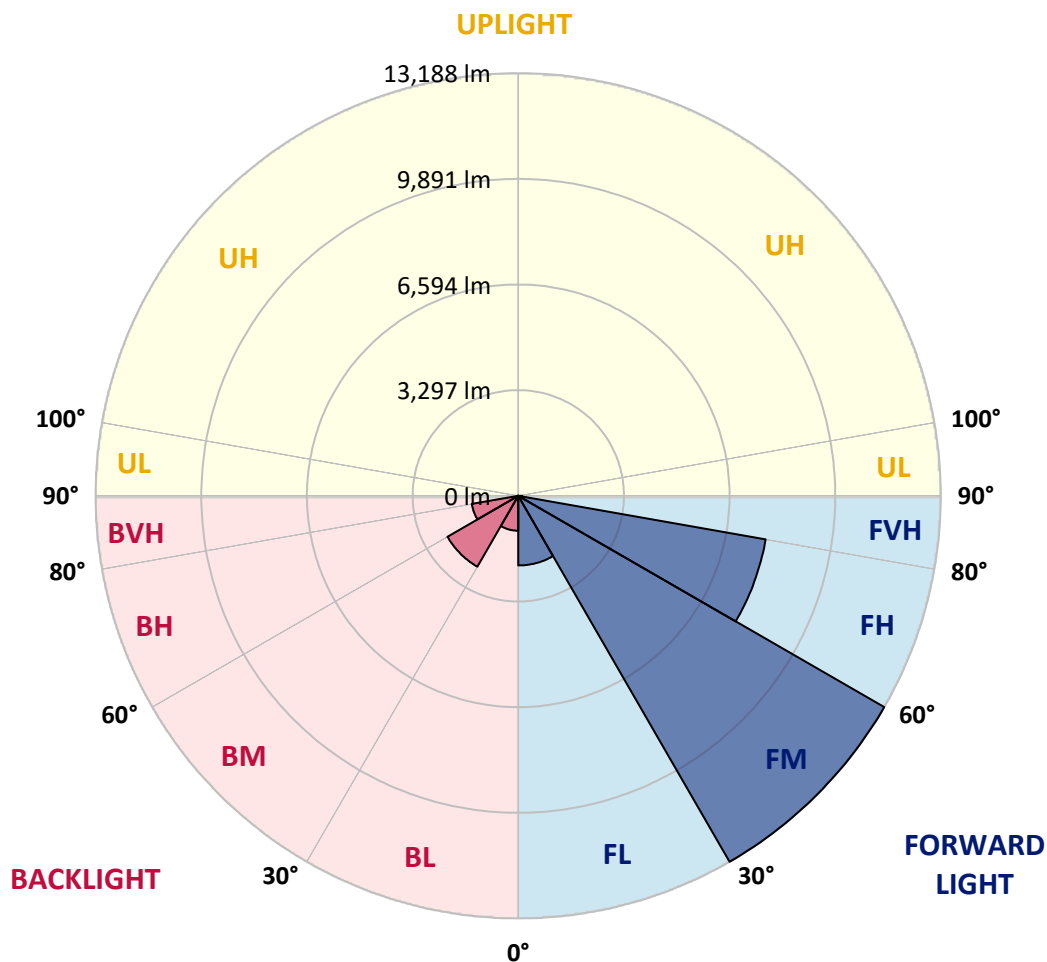


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2172.3	7.6			
FM (30°-60°)	13188.5	46.3			
FH (60°-80°)	7839.6	27.5			G4/12000
FVH (80°-90°)	116.6	0.4			G2/225
BL (0°-30°)	1089.4	3.8	B3/2500		
BM (30°-60°)	2552.7	9.0	B3/5000		
BH (60°-80°)	1472.2	5.2	B3/2500		G3/2500
BVH (80°-90°)	43.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4717.3	4717.3	4717.3	4717.3	4717.3	4717.3	4717.3	4717.3	4717.3	4717.3
2.5°	4985.9	5014.6	4998.2	4990.0	4975.7	4955.2	4938.8	4887.5	4834.2	4799.3
5°	5086.4	5115.1	5113.0	5121.2	5131.5	5137.6	5133.5	5076.1	5000.3	4940.8
7.5°	5000.3	5033.1	5059.7	5100.7	5172.5	5248.3	5285.2	5272.9	5195.0	5113.0
10°	4756.3	4791.1	4854.7	4951.1	5102.8	5266.8	5404.1	5467.7	5418.5	5328.3
12.5°	4309.4	4344.2	4469.3	4678.4	4932.6	5217.6	5480.0	5650.2	5662.5	5572.2
15°	3807.1	3841.9	3975.2	4237.6	4625.1	5082.3	5521.0	5842.9	5951.5	5873.6
17.5°	3495.5	3526.2	3626.7	3837.8	4241.7	4811.6	5506.6	6047.9	6295.9	6234.4
20°	3401.2	3427.8	3475.0	3622.6	3958.8	4530.8	5412.3	6240.6	6667.0	6632.2
22.5°	3501.6	3526.2	3540.6	3606.2	3817.3	4346.3	5293.4	6437.4	7097.5	7101.6
25°	3733.3	3757.9	3741.5	3782.5	3874.7	4288.9	5248.3	6669.1	7638.8	7683.9
27.5°	4114.6	4116.7	4077.7	4075.7	4090.0	4375.0	5295.5	6917.1	8321.5	8405.5
30°	4879.3	4848.6	4698.9	4536.9	4463.1	4633.3	5426.7	7210.3	9127.2	9276.8
32.5°	6058.1	6013.0	5738.3	5350.8	4961.3	5049.5	5662.5	7544.5	10004.6	10275.2
35°	7337.4	7325.1	7038.1	6462.0	5781.4	5642.0	6045.8	7983.2	10962.0	11392.6
37.5°	8526.5	8520.3	8356.3	7677.7	6849.5	6468.2	6660.9	8557.2	11987.1	12610.3
40°	9613.0	9631.5	9467.5	8860.7	8026.2	7528.1	7497.3	9266.6	13127.0	13936.8
42.5°	10552.0	10572.5	10406.4	9957.5	9188.7	8700.7	8524.4	10135.8	14240.2	15361.6
45°	11189.6	11316.7	11292.1	10933.3	10381.8	9875.5	9758.6	11226.5	15509.2	16872.6
47.5°	11370.0	11486.9	11671.4	11720.6	11384.4	10886.2	11025.6	12540.6	16792.6	18385.5
50°	10925.1	11033.8	11417.2	11927.6	12161.4	12007.6	12257.7	13949.1	18106.7	19894.4
52.5°	10047.7	10158.4	10642.2	11450.0	12403.3	12887.1	13493.9	15337.0	19379.9	21323.4
55°	8778.6	8895.5	9516.7	10431.0	11942.0	13250.0	14525.2	16722.9	20546.4	22608.8
57.5°	7052.4	7138.5	7784.3	9063.6	10781.6	12889.2	15285.8	18235.9	21645.2	23871.7
60°	4596.4	4672.2	5422.6	6849.5	8858.6	11683.7	15437.5	19923.1	23104.9	25513.8
62.5°	3056.7	3108.0	3552.9	4600.5	6238.5	9369.1	14549.8	21270.1	25245.3	28371.7
65°	2097.3	2148.5	2593.4	3323.3	4030.6	6197.5	11997.3	21091.7	27184.7	30641.2
67.5°	1496.6	1539.6	1916.9	2605.7	2917.3	3600.0	8132.9	18812.0	26905.9	30727.3
70°	1072.2	1096.8	1408.4	2029.6	2318.7	2162.9	4522.6	14387.8	23558.0	28373.8
72.5°	750.3	758.5	977.9	1545.8	1867.7	1578.6	2152.6	9592.5	17817.7	22270.5
75°	508.4	518.7	658.1	1133.7	1498.6	1205.5	1139.9	5143.8	10459.8	12327.4
77.5°	311.6	315.7	424.4	774.9	1121.4	918.5	733.9	2179.3	4047.0	3973.1
80°	176.3	176.3	270.6	481.8	764.7	592.5	514.6	926.7	1281.3	1125.5
82.5°	98.4	100.5	196.8	299.3	506.4	350.6	282.9	428.5	553.5	490.0
85°	41.0	45.1	121.0	141.5	241.9	174.3	114.8	180.4	205.0	182.5
87.5°	4.1	6.2	36.9	26.7	28.7	34.9	16.4	34.9	28.7	28.7
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°
4717.3	0°	4717.3	4717.3	4717.3	4717.3	4717.3	4717.3	4717.3	4717.3	4717.3	4717.3
4787.0	2.5°	4748.1	4717.3	4639.4	4549.2	4430.3	4372.9	4295.0	4241.7	4196.6	4200.7
4906.0	5°	4840.4	4762.4	4588.2	4370.9	4100.3	3907.5	3702.5	3561.1	3446.3	3421.7
5070.0	7.5°	4967.5	4844.5	4539.0	4147.4	3690.2	3343.8	3034.2	2835.3	2693.9	2648.8
5268.8	10°	5131.5	4953.1	4475.4	3866.5	3208.4	2767.7	2435.6	2279.7	2183.4	2150.6
5502.5	12.5°	5322.1	5078.2	4391.4	3524.2	2712.3	2287.9	2076.8	1998.9	1968.1	1957.9
5789.6	15°	5562.0	5234.0	4264.3	3118.2	2292.0	1994.8	1904.6	1894.3	1898.4	1894.3
6134.0	17.5°	5847.0	5404.1	4057.2	2700.0	2009.1	1845.1	1812.3	1820.5	1830.8	1828.7
6519.4	20°	6158.6	5572.2	3792.7	2328.9	1816.4	1738.5	1720.1	1728.3	1736.5	1732.4
6964.3	22.5°	6513.3	5752.7	3499.6	2039.9	1687.3	1640.1	1619.6	1621.7	1621.7	1613.5
7528.1	25°	6937.6	5951.5	3192.0	1834.9	1588.8	1551.9	1527.3	1519.1	1506.8	1482.2
8212.8	27.5°	7444.0	6162.7	2896.8	1691.4	1510.9	1476.1	1447.4	1426.9	1396.1	1355.1
9034.9	30°	8013.9	6418.9	2646.7	1601.1	1449.4	1414.6	1381.8	1351.0	1305.9	1254.7
9980.0	32.5°	8684.3	6693.7	2464.3	1541.7	1394.1	1357.2	1318.2	1281.3	1232.1	1180.9
11042.0	35°	9483.9	7025.8	2357.6	1500.7	1351.0	1301.8	1258.8	1217.8	1180.9	1135.8
12196.2	37.5°	10351.1	7378.4	2324.8	1480.2	1322.3	1246.5	1197.3	1168.6	1164.5	1137.8
13444.7	40°	11300.3	7796.6	2349.4	1467.9	1291.6	1193.2	1139.9	1133.7	1144.0	1096.8
14779.4	42.5°	12304.9	8292.8	2390.4	1453.5	1248.5	1139.9	1088.6	1088.6	1080.4	1014.8
16189.9	45°	13391.4	8864.8	2431.5	1418.7	1197.3	1086.6	1047.6	1033.3	998.4	934.9
17608.5	47.5°	14486.2	9447.0	2462.2	1355.1	1135.8	1041.5	1006.6	973.8	922.6	865.2
19000.6	50°	15525.6	9969.8	2429.4	1260.8	1066.1	998.4	961.5	916.4	861.1	822.1
20318.8	52.5°	16454.3	10422.8	2290.0	1150.1	992.3	953.3	920.5	873.4	828.3	787.2
21507.9	55°	17262.1	10789.8	2044.0	1045.6	926.7	914.4	881.6	822.1	760.6	725.7
22686.7	57.5°	18037.0	11068.6	1736.5	959.5	867.2	871.3	822.1	768.8	711.4	674.5
24275.6	60°	19068.2	11441.8	1424.8	879.5	803.7	816.0	762.6	723.7	651.9	604.8
27000.2	62.5°	20716.5	12021.9	1131.7	781.1	729.8	733.9	711.4	664.2	578.1	522.8
29019.6	65°	22024.5	11808.7	891.8	674.5	645.8	651.9	651.9	600.7	508.4	444.9
29128.2	67.5°	21876.9	10111.2	711.4	569.9	565.8	569.9	584.3	541.2	451.0	399.8
26910.0	70°	20152.8	8042.7	569.9	473.6	492.0	481.8	522.8	494.1	405.9	354.7
20862.1	72.5°	16444.1	5793.7	434.6	391.6	377.2	393.6	471.5	444.9	338.3	280.9
11050.2	75°	9608.9	3091.6	323.9	309.6	272.7	328.0	418.2	379.3	258.3	207.1
3386.8	77.5°	3128.5	1078.4	237.8	227.6	203.0	264.5	356.7	319.8	211.2	164.0
992.3	80°	838.5	326.0	162.0	149.7	131.2	196.8	282.9	254.2	151.7	106.6
426.4	82.5°	336.2	137.4	94.3	84.1	71.8	135.3	223.5	205.0	112.8	67.7
133.3	85°	108.7	45.1	34.9	26.7	32.8	84.1	133.3	139.4	80.0	34.9
20.5	87.5°	14.4	6.2	6.2	8.2	6.2	14.4	41.0	39.0	22.6	4.1
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°
4717.3
4159.7
3366.3
2603.7
2126.0
1951.7
1892.3
1824.6
1730.3
1609.4
1478.1
1351.0
1250.6
1182.9
1131.7
1135.8
1098.9
1014.8
932.8
863.1
816.0
783.1
721.6
670.4
598.6
518.7
438.7
391.6
348.5
274.7
200.9
157.9
104.6
67.7
26.7
0.0
0.0

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