

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: P849286

Luminaire Tested: **GLAN-SB6B-730-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849286
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-SB6B-730-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32683 lumens
Efficiency: N/A
Efficacy: 148.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

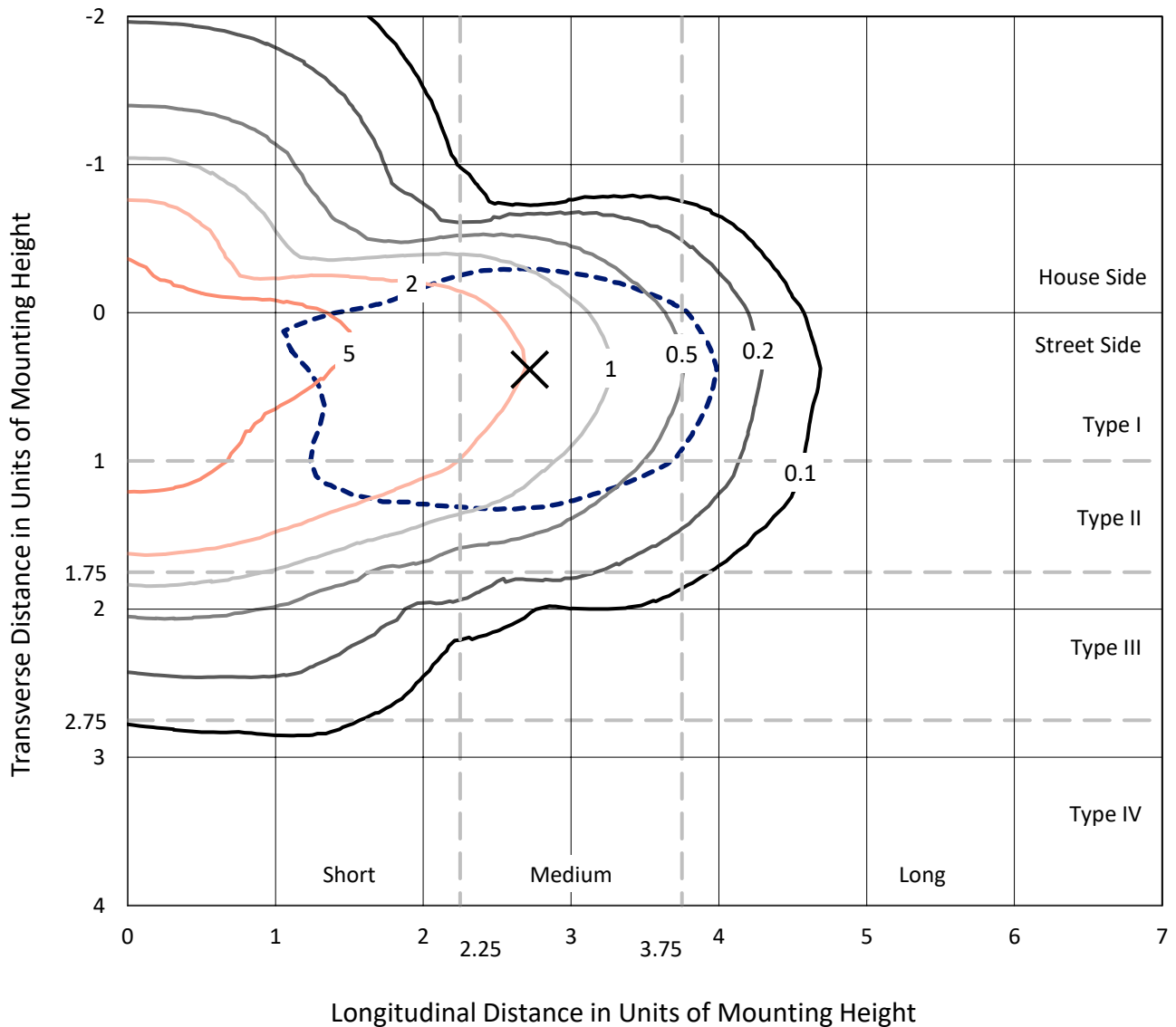
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

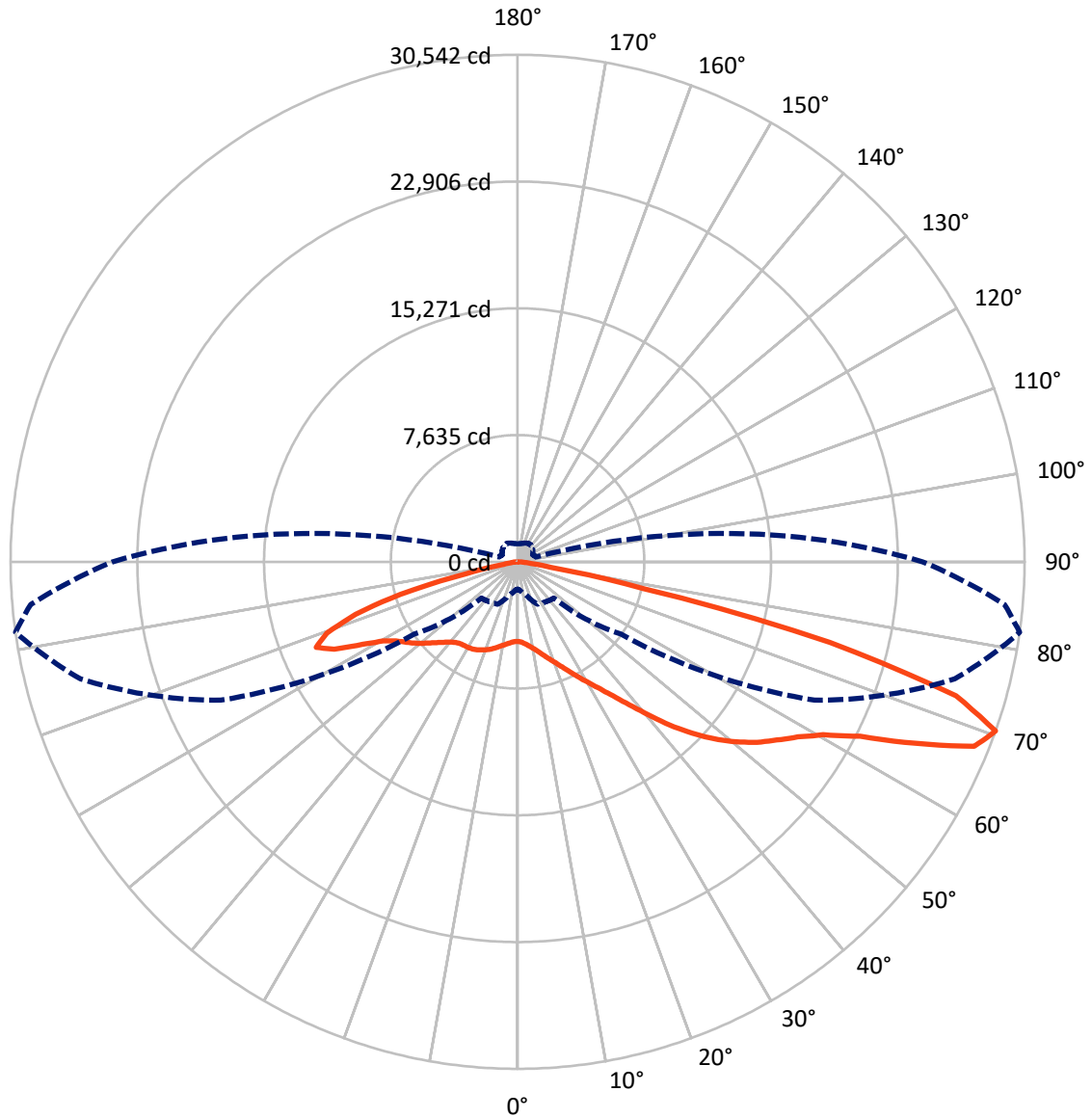
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 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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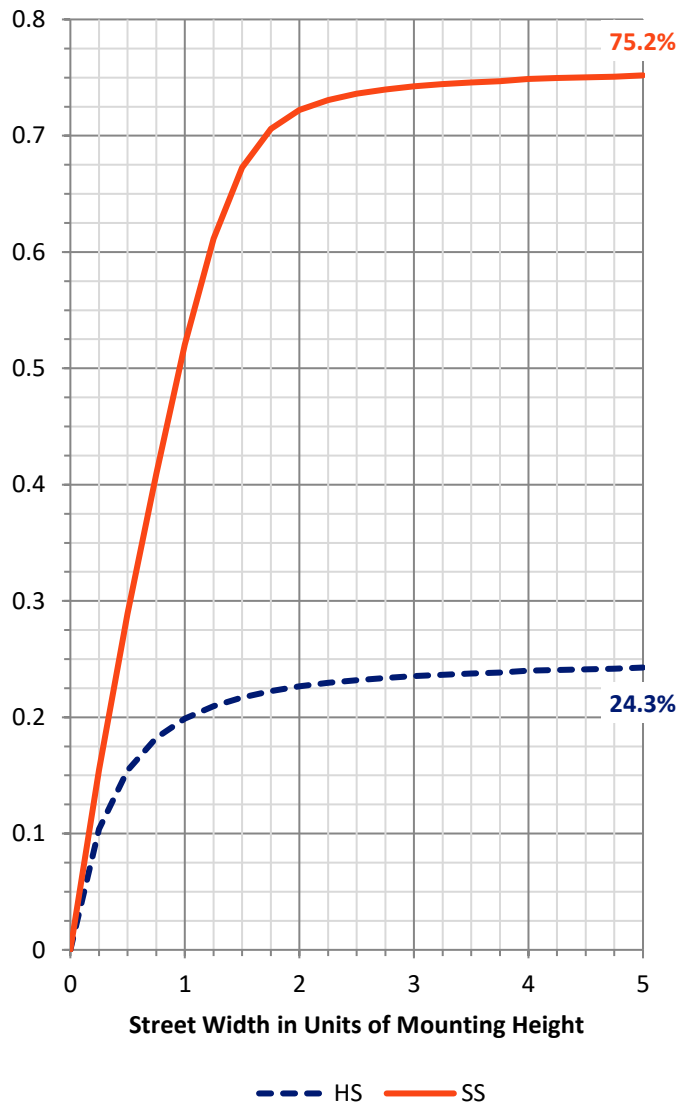
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8057.2	0.0	8057.2
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	24625.8	0.0	24625.8
	% Fixture	75.3	0.0	75.3
Total	Lumens	32683.0	0.0	32683.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	452.4	1.4
10°-20°	1299.8	4.0
20°-30°	2174.5	6.7
30°-40°	3397.1	10.4
40°-50°	5410.3	16.6
50°-60°	7529.2	23.0
60°-70°	7875.8	24.1
70°-80°	4116.3	12.6
80°-90°	427.4	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°	32683.0	100.0
0°-180°	32683.0	100.0

Coefficient of Utilization



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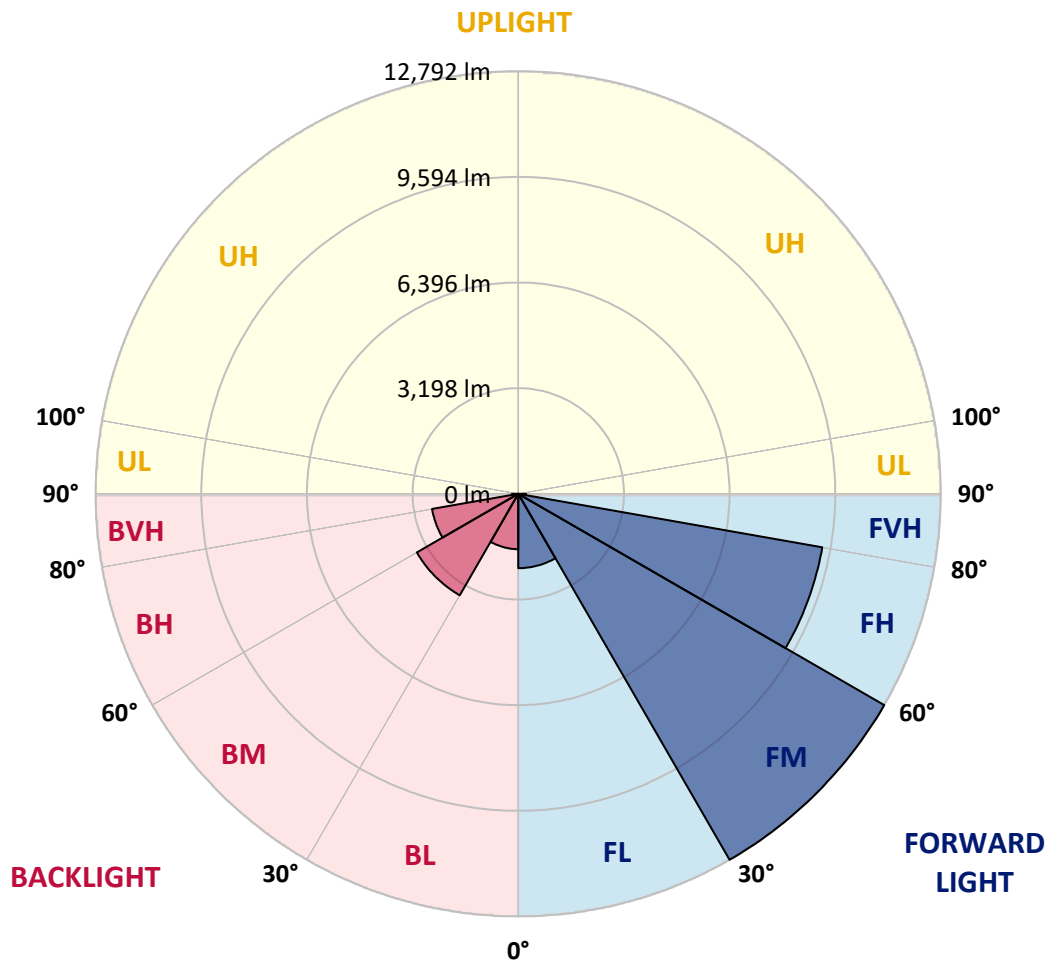
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2250.6	6.9			
FM (30°-60°)	12791.8	39.1			
FH (60°-80°)	9344.2	28.6			G4/12000
FVH (80°-90°)	239.3	0.7			G3/500
BL (0°-30°)	1676.2	5.1	B3/2500		
BM (30°-60°)	3544.8	10.8	B3/5000		
BH (60°-80°)	2648.0	8.1	B4/5000		G4/5000
BVH (80°-90°)	188.2	0.6			G2/225
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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4791.7	4791.7	4791.7	4791.7	4791.7	4791.7	4791.7	4791.7	4791.7	4791.7
2.5°	4906.2	4933.9	4925.3	4916.6	4916.6	4904.5	4902.7	4885.4	4871.5	4849.0
5°	4968.6	4998.1	4994.6	5001.6	5024.1	5029.3	5034.5	5024.1	4996.4	4968.6
7.5°	4913.1	4946.1	4956.5	4998.1	5067.5	5129.9	5176.7	5195.8	5169.8	5129.9
10°	4725.8	4762.3	4798.7	4897.5	5020.7	5168.1	5292.9	5367.5	5362.3	5324.2
12.5°	4346.0	4384.2	4462.2	4654.7	4880.2	5140.3	5372.7	5528.8	5582.6	5554.8
15°	4042.5	4075.5	4134.5	4332.2	4625.2	5020.7	5402.2	5705.7	5842.7	5827.1
17.5°	4033.9	4047.7	4084.2	4177.8	4403.3	4833.4	5371.0	5879.1	6141.0	6139.2
20°	4186.5	4191.7	4212.5	4231.6	4359.9	4691.1	5291.2	6023.1	6475.7	6475.7
22.5°	4398.1	4394.6	4415.4	4398.1	4460.5	4679.0	5240.9	6149.7	6848.6	6876.3
25°	4715.4	4698.1	4692.9	4653.0	4665.1	4791.7	5296.4	6293.6	7290.8	7348.0
27.5°	5138.6	5110.8	5091.8	4999.8	4968.6	5024.1	5466.4	6467.0	7783.3	7882.2
30°	5690.1	5639.8	5612.0	5452.5	5339.8	5348.4	5723.0	6697.7	8298.4	8457.9
32.5°	6442.7	6364.7	6290.1	6028.3	5821.9	5754.2	6054.3	7016.8	8856.8	9111.8
35°	7285.6	7223.2	7143.4	6739.3	6421.9	6265.9	6501.7	7462.5	9510.6	9914.7
37.5°	8097.2	8043.5	8081.6	7537.1	7127.8	6900.6	7087.9	8060.8	10317.1	10913.6
40°	8936.6	8895.0	8900.2	8379.9	7903.0	7648.0	7798.9	8811.7	11241.4	12101.6
42.5°	9848.8	9817.6	9713.5	9252.2	8716.3	8478.8	8617.5	9678.9	12233.4	13454.3
45°	10870.3	10851.2	10754.1	10225.1	9611.2	9344.1	9531.4	10636.2	13230.6	14727.3
47.5°	11753.0	11768.6	11756.5	11310.8	10674.3	10282.4	10506.1	11635.1	14158.4	15923.9
50°	12177.9	12259.4	12379.1	12240.3	11844.9	11446.1	11489.4	12599.3	15042.9	17046.0
52.5°	11955.9	12110.3	12436.3	12658.3	12810.9	12727.7	12611.5	13556.6	15875.3	18058.8
55°	11128.7	11345.5	11886.6	12422.4	13201.1	13806.4	13959.0	14618.0	16687.0	18950.2
57.5°	9621.6	9973.7	10459.3	11543.2	12854.3	14328.4	15530.2	16090.4	17547.2	19902.3
60°	7037.6	7509.3	8112.8	9725.7	11640.3	14049.2	16867.3	18351.8	18769.8	21135.3
62.5°	4503.9	4795.2	5350.2	6869.4	9070.1	12618.4	17276.6	21178.7	20842.2	23157.5
65°	3083.5	3270.8	3778.9	4632.2	5863.5	9392.7	16180.6	23297.9	24133.8	26362.4
67.5°	2240.7	2382.9	2816.4	3563.9	3820.6	5558.3	12556.0	23200.8	27333.5	29664.4
70°	1633.7	1734.3	2098.4	2816.4	2939.6	3092.2	7606.4	19721.9	27264.2	30541.9
72.5°	1210.5	1279.9	1524.4	2185.2	2379.4	2088.0	3765.1	14333.6	23428.0	27624.9
75°	875.8	927.8	1108.2	1671.8	1904.2	1590.3	1878.2	8376.4	16341.9	19432.3
77.5°	669.4	709.3	827.2	1224.4	1524.4	1193.2	1165.4	3853.5	7748.6	7786.8
80°	537.6	563.6	627.8	861.9	1168.9	893.1	759.6	1555.6	2448.8	2072.4
82.5°	395.4	438.8	530.7	605.3	835.9	615.7	463.0	785.6	931.3	801.2
85°	225.5	254.9	320.8	433.6	534.1	376.3	265.3	348.6	433.6	355.5
87.5°	79.8	104.1	112.7	170.0	232.4	156.1	102.3	100.6	142.2	105.8
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°
4791.7	0°	4791.7	4791.7	4791.7	4791.7	4791.7	4791.7	4791.7	4791.7	4791.7	4791.7
4843.8	2.5°	4826.4	4817.8	4783.1	4736.2	4687.7	4640.9	4625.2	4592.3	4569.8	4557.6
4956.5	5°	4923.5	4895.8	4814.3	4710.2	4601.0	4483.0	4399.8	4323.5	4268.0	4216.0
5110.8	7.5°	5062.3	5013.7	4873.2	4691.1	4496.9	4300.9	4155.3	4044.3	3969.7	3921.1
5291.2	10°	5223.6	5149.0	4933.9	4661.7	4361.6	4080.7	3909.0	3813.6	3766.8	3740.8
5497.6	12.5°	5409.1	5303.3	4996.4	4594.0	4155.3	3834.4	3716.5	3688.8	3690.5	3692.2
5757.7	15°	5638.1	5490.6	5046.7	4446.6	3886.5	3645.4	3624.6	3669.7	3716.5	3739.0
6052.5	17.5°	5896.5	5688.3	5055.3	4203.8	3622.9	3524.0	3589.9	3687.0	3758.1	3789.3
6382.0	20°	6173.9	5889.5	4992.9	3860.4	3406.1	3425.1	3543.1	3667.9	3746.0	3785.9
6758.4	22.5°	6491.3	6104.6	4843.8	3499.7	3229.2	3317.6	3456.4	3577.8	3659.3	3699.2
7200.6	25°	6853.8	6345.6	4609.6	3196.2	3076.6	3196.2	3335.0	3435.6	3501.5	3537.9
7694.9	27.5°	7256.1	6597.1	4297.5	2955.2	2943.0	3071.4	3185.8	3263.9	3298.5	3326.3
8220.4	30°	7660.2	6826.0	3919.4	2773.1	2826.8	2948.2	3029.7	3064.4	3074.8	3080.0
8806.5	32.5°	8097.2	7023.7	3522.3	2622.2	2715.8	2828.6	2877.1	2892.7	2844.2	2811.2
9517.6	35°	8626.2	7235.3	3133.8	2502.5	2606.6	2703.7	2719.3	2705.4	2648.2	2580.6
10409.0	37.5°	9280.0	7498.9	2823.4	2417.5	2504.3	2568.4	2549.3	2545.9	2551.1	2471.3
11480.7	40°	10081.2	7842.3	2596.2	2351.6	2421.0	2434.9	2381.1	2410.6	2436.6	2315.2
12656.6	42.5°	10970.9	8256.8	2452.2	2306.6	2351.6	2318.7	2235.4	2268.4	2264.9	2105.4
13837.6	45°	11877.9	8707.7	2401.9	2273.6	2287.5	2221.6	2129.7	2138.3	2065.5	1921.6
14970.1	47.5°	12779.7	9191.5	2433.2	2245.9	2207.7	2133.1	2062.0	2023.9	1916.3	1808.8
16055.7	50°	13664.2	9699.7	2547.6	2190.4	2098.4	2055.1	2003.1	1935.4	1821.0	1729.0
17082.4	52.5°	14484.5	10211.3	2675.9	2098.4	1961.4	1987.5	1954.5	1876.5	1763.7	1670.1
18053.6	55°	15261.4	10722.9	2726.2	1971.8	1833.1	1928.5	1909.4	1765.5	1630.2	1553.9
19069.8	57.5°	16107.7	11338.5	2670.7	1810.6	1729.0	1860.9	1788.0	1628.5	1550.4	1493.2
20393.1	60°	17280.1	12304.5	2551.1	1611.1	1630.2	1760.3	1635.4	1569.5	1484.5	1420.4
22377.0	62.5°	19227.6	14106.4	2358.6	1413.4	1514.0	1611.1	1562.6	1496.7	1409.9	1347.5
25769.2	65°	22106.5	16610.7	1996.1	1259.1	1383.9	1465.4	1484.5	1418.6	1328.4	1262.5
28741.7	67.5°	24534.5	18181.9	1510.5	1130.7	1250.4	1347.5	1401.3	1337.1	1241.7	1177.6
29437.2	70°	24400.9	17040.8	1153.3	1004.1	1132.5	1231.3	1300.7	1250.4	1148.1	1087.4
26738.7	72.5°	21672.9	14255.5	933.0	875.8	1012.8	1109.9	1193.2	1155.0	1051.0	992.0
19588.4	75°	15922.2	10119.4	745.7	745.7	863.7	983.3	1075.2	1051.0	955.6	914.0
8223.8	77.5°	6711.6	4245.4	584.4	619.1	718.0	844.6	959.0	967.7	884.5	936.5
2174.8	80°	1784.5	1170.6	445.7	487.3	563.6	697.2	834.2	830.7	740.5	692.0
808.2	82.5°	679.8	461.3	317.4	343.4	407.5	534.1	660.7	681.6	591.4	511.6
317.4	85°	261.9	197.7	196.0	206.4	237.6	353.8	499.5	516.8	445.7	378.1
88.4	87.5°	67.6	59.0	72.8	69.4	109.3	189.0	286.2	296.6	272.3	157.8
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>
4791.7
4571.5
4236.8
3931.5
3747.7
3695.7
3737.3
3796.3
3796.3
3709.6
3548.3
3336.7
3092.2
2821.6
2584.0
2476.5
2318.7
2103.6
1926.8
1808.8
1722.1
1671.8
1547.0
1488.0
1416.9
1347.5
1266.0
1179.3
1092.6
992.0
901.8
849.8
643.4
511.6
390.2
225.5
0.0

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