

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: P848846

Luminaire Tested: **GLAN-SB5C-835-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848846  
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-SB5C-835-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 31036 lumens  
Efficiency: N/A  
Efficacy: 124.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B4 - U0 - G4

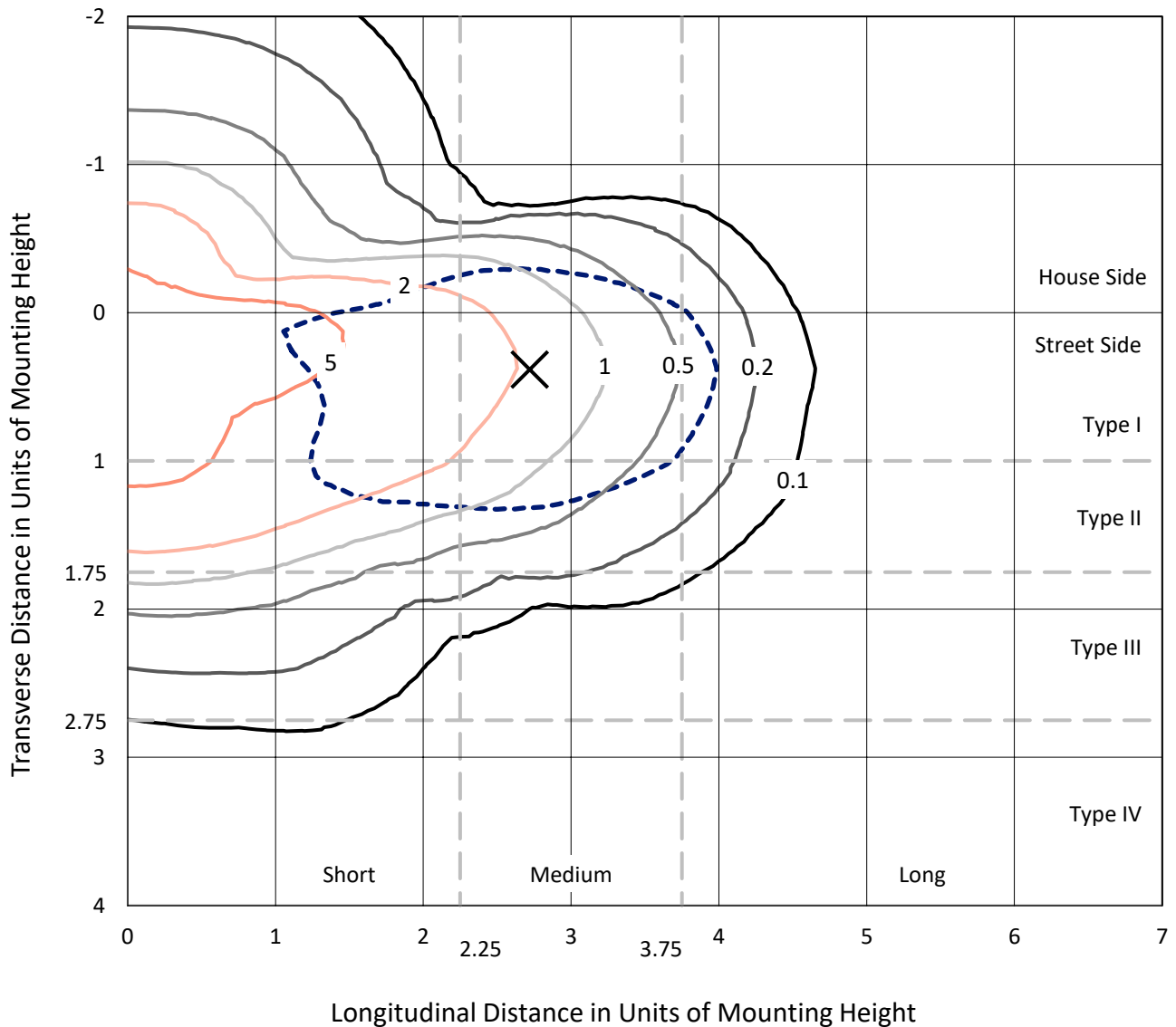
Input Watts (W): 249.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

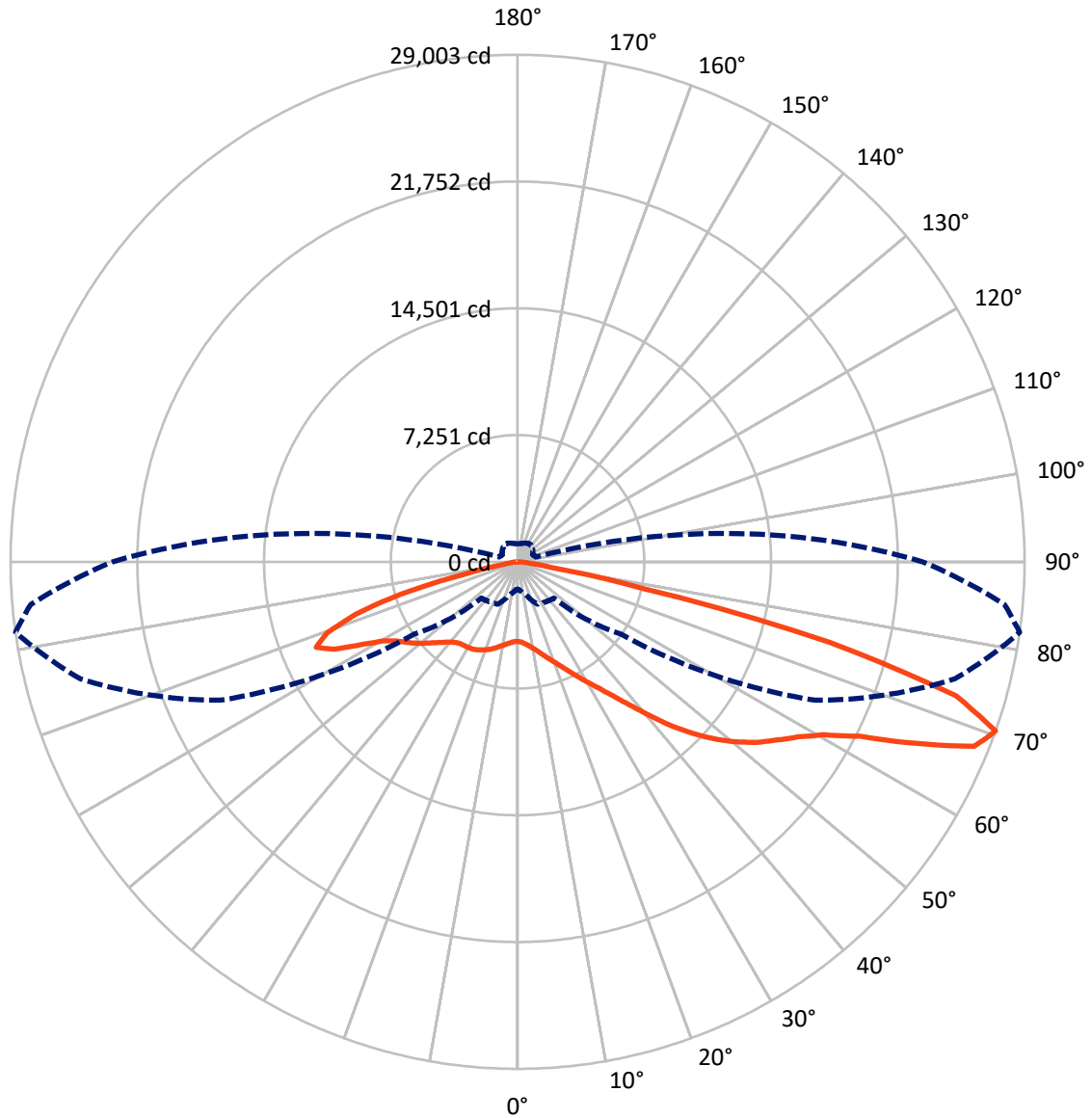
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 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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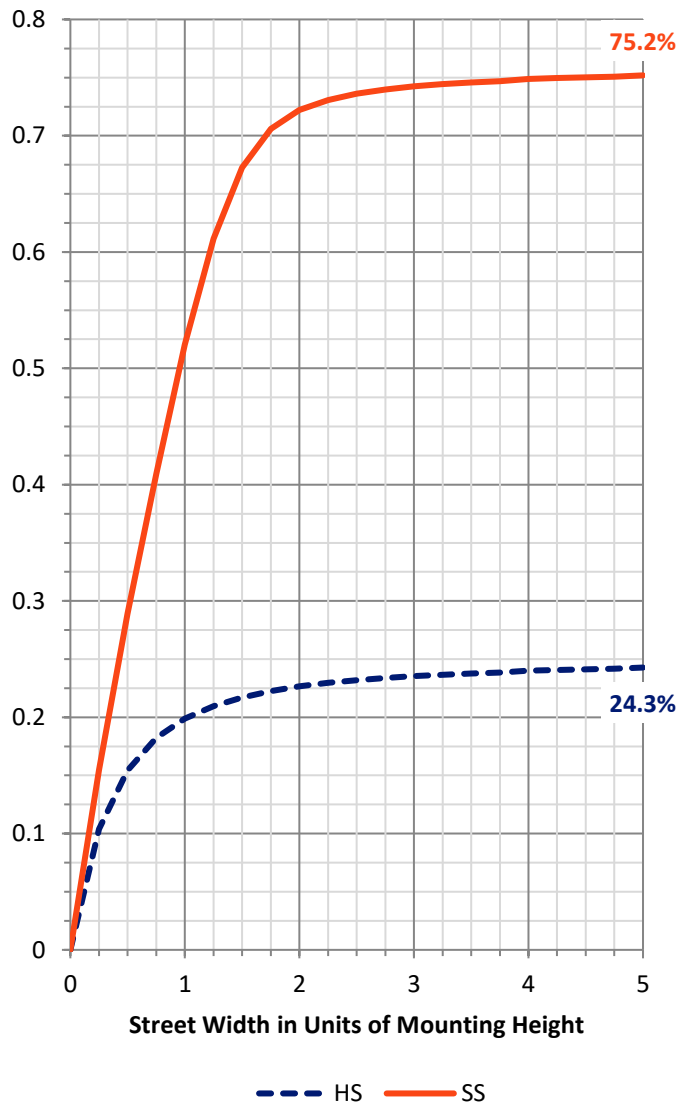
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7651.1	0.0	7651.1
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	23384.9	0.0	23384.9
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	31036.0	0.0	31036.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	429.6	1.4
10°-20°	1234.3	4.0
20°-30°	2064.9	6.7
30°-40°	3226.0	10.4
40°-50°	5137.7	16.6
50°-60°	7149.7	23.0
60°-70°	7478.9	24.1
70°-80°	3908.9	12.6
80°-90°	405.9	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°	31036.0	100.0
0°-180°	31036.0	100.0

**Coefficient of Utilization**

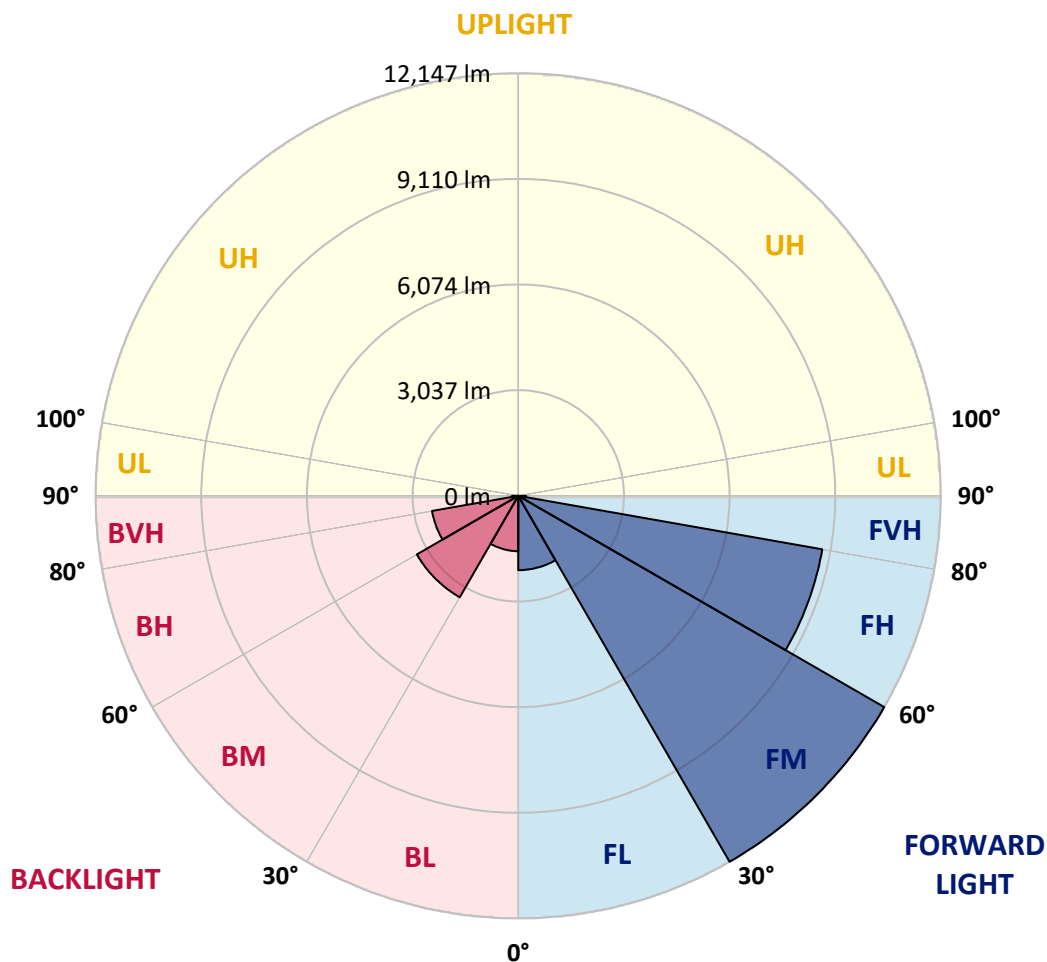


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2137.2	6.9			
FM (30°-60°)	12147.2	39.1			
FH (60°-80°)	8873.3	28.6			G4/12000
FVH (80°-90°)	227.2	0.7			G3/500
BL (0°-30°)	1591.7	5.1	B3/2500		
BM (30°-60°)	3366.2	10.8	B3/5000		
BH (60°-80°)	2514.5	8.1	B4/5000		G4/5000
BVH (80°-90°)	178.7	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4550.3	4550.3	4550.3	4550.3	4550.3	4550.3	4550.3	4550.3	4550.3	4550.3
2.5°	4659.0	4685.3	4677.1	4668.8	4668.8	4657.3	4655.7	4639.2	4626.0	4604.6
5°	4718.2	4746.2	4742.9	4749.5	4770.9	4775.9	4780.8	4770.9	4744.6	4718.2
7.5°	4665.5	4696.8	4706.7	4746.2	4812.1	4871.4	4915.9	4934.0	4909.3	4871.4
10°	4487.7	4522.3	4556.9	4650.7	4767.7	4907.6	5026.2	5097.0	5092.1	5055.9
12.5°	4127.0	4163.3	4237.4	4420.2	4634.3	4881.3	5102.0	5250.2	5301.2	5274.9
15°	3838.8	3870.1	3926.1	4113.8	4392.2	4767.7	5130.0	5418.2	5548.3	5533.4
17.5°	3830.6	3843.8	3878.3	3967.3	4181.4	4589.8	5100.3	5582.8	5831.5	5829.9
20°	3975.5	3980.5	4000.2	4018.3	4140.2	4454.7	5024.6	5719.5	6149.4	6149.4
22.5°	4176.4	4173.1	4192.9	4176.4	4235.7	4443.2	4976.8	5839.8	6503.4	6529.8
25°	4477.8	4461.3	4456.4	4418.5	4430.0	4550.3	5029.5	5976.4	6923.4	6977.7
27.5°	4879.6	4853.3	4835.2	4747.9	4718.2	4770.9	5190.9	6141.1	7391.1	7485.0
30°	5403.3	5355.6	5329.2	5177.7	5070.7	5078.9	5434.6	6360.2	7880.2	8031.7
32.5°	6118.1	6044.0	5973.2	5724.5	5528.5	5464.3	5749.2	6663.2	8410.5	8652.6
35°	6918.4	6859.2	6783.4	6399.7	6098.3	5950.1	6174.1	7086.4	9031.4	9415.1
37.5°	7689.2	7638.1	7674.4	7157.2	6768.6	6552.8	6730.7	7654.6	9797.2	10363.7
40°	8486.3	8446.7	8451.7	7957.6	7504.7	7262.6	7405.9	8367.7	10674.9	11491.8
42.5°	9352.5	9322.9	9224.0	8786.0	8277.1	8051.5	8183.2	9191.1	11616.9	12776.3
45°	10322.5	10304.4	10212.2	9709.9	9126.9	8873.3	9051.1	10100.2	12563.9	13985.1
47.5°	11160.7	11175.6	11164.0	10740.8	10136.4	9764.2	9976.7	11048.8	13444.9	15121.4
50°	11564.2	11641.6	11755.3	11623.5	11248.0	10869.3	10910.4	11964.4	14284.8	16187.0
52.5°	11353.4	11500.0	11809.6	12020.4	12165.3	12086.3	11975.9	12873.5	15075.3	17148.7
55°	10567.9	10773.7	11287.6	11796.4	12535.9	13110.6	13255.6	13881.4	15846.1	17995.2
57.5°	9136.8	9471.1	9932.2	10961.5	12206.5	13606.3	14747.6	15279.5	16662.9	18899.3
60°	6682.9	7130.9	7704.0	9235.6	11053.7	13341.2	16017.3	17427.0	17823.9	20070.2
62.5°	4276.9	4553.6	5080.6	6523.2	8613.1	11982.5	16406.0	20111.4	19791.9	21990.5
65°	2928.1	3106.0	3588.5	4398.8	5568.0	8919.4	15365.2	22123.9	22917.7	25033.9
67.5°	2127.7	2262.8	2674.5	3384.3	3628.0	5278.2	11923.2	22031.7	25956.1	28169.5
70°	1551.3	1646.9	1992.7	2674.5	2791.4	2936.3	7223.1	18728.1	25890.2	29002.8
72.5°	1149.5	1215.4	1447.6	2075.0	2259.5	1982.8	3575.3	13611.3	22247.4	26232.8
75°	831.7	881.1	1052.3	1587.6	1808.2	1510.2	1783.5	7954.3	15518.3	18453.0
77.5°	635.7	673.6	785.6	1162.7	1447.6	1133.0	1106.7	3659.3	7358.2	7394.4
80°	510.5	535.2	596.2	818.5	1110.0	848.1	721.3	1477.2	2325.4	1968.0
82.5°	375.5	416.7	503.9	574.8	793.8	584.6	439.7	746.0	884.4	760.8
85°	214.1	242.1	304.7	411.7	507.2	357.4	252.0	331.0	411.7	337.6
87.5°	75.8	98.8	107.0	161.4	220.7	148.2	97.2	95.5	135.0	100.5
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°
4550.3	0°	4550.3	4550.3	4550.3	4550.3	4550.3	4550.3	4550.3	4550.3	4550.3	4550.3
4599.7	2.5°	4583.2	4575.0	4542.0	4497.6	4451.5	4407.0	4392.2	4360.9	4339.5	4327.9
4706.7	5°	4675.4	4649.1	4571.7	4472.9	4369.1	4257.1	4178.1	4105.6	4052.9	4003.5
4853.3	7.5°	4807.2	4761.1	4627.7	4454.7	4270.3	4084.2	3945.9	3840.5	3769.7	3723.5
5024.6	10°	4960.3	4889.5	4685.3	4426.8	4141.8	3875.1	3712.0	3621.4	3577.0	3552.3
5220.5	12.5°	5136.5	5036.1	4744.6	4362.5	3945.9	3641.2	3529.2	3502.9	3504.5	3506.2
5467.6	15°	5353.9	5213.9	4792.4	4222.5	3690.6	3461.7	3441.9	3484.7	3529.2	3550.6
5747.5	17.5°	5599.3	5401.7	4800.6	3992.0	3440.3	3346.4	3409.0	3501.2	3568.7	3598.4
6060.4	20°	5862.8	5592.7	4741.3	3665.9	3234.4	3252.5	3364.5	3483.1	3557.2	3595.1
6417.8	22.5°	6164.2	5796.9	4599.7	3323.4	3066.4	3150.4	3282.2	3397.5	3474.9	3512.7
6837.7	25°	6508.4	6025.8	4377.3	3035.2	2921.5	3035.2	3166.9	3262.4	3325.0	3359.6
7307.1	27.5°	6890.4	6264.6	4080.9	2806.2	2794.7	2916.6	3025.3	3099.4	3132.3	3158.7
7806.1	30°	7274.2	6482.0	3721.9	2633.3	2684.4	2799.7	2877.1	2910.0	2919.9	2924.8
8362.7	32.5°	7689.2	6669.8	3344.8	2490.0	2579.0	2686.0	2732.1	2747.0	2700.8	2669.6
9038.0	35°	8191.5	6870.7	2975.9	2376.4	2475.2	2567.4	2582.3	2569.1	2514.8	2450.5
9884.4	37.5°	8812.3	7121.0	2681.1	2295.7	2378.1	2439.0	2420.9	2417.6	2422.5	2346.8
10902.2	40°	9573.2	7447.1	2465.3	2233.1	2299.0	2312.2	2261.1	2289.1	2313.8	2198.6
12018.8	42.5°	10418.0	7840.7	2328.7	2190.3	2233.1	2201.8	2122.8	2154.1	2150.8	1999.3
13140.3	45°	11279.3	8268.9	2280.9	2159.0	2172.2	2109.6	2022.3	2030.6	1961.4	1824.7
14215.7	47.5°	12135.7	8728.3	2310.5	2132.7	2096.4	2025.6	1958.1	1921.9	1819.8	1717.7
15246.6	50°	12975.6	9210.9	2419.2	2080.0	1992.7	1951.5	1902.1	1837.9	1729.2	1641.9
16221.5	52.5°	13754.5	9696.7	2541.1	1992.7	1862.6	1887.3	1856.0	1781.9	1674.9	1585.9
17143.8	55°	14492.3	10182.5	2588.9	1872.5	1740.7	1831.3	1813.2	1676.5	1548.0	1475.6
18108.8	57.5°	15296.0	10767.2	2536.2	1719.3	1641.9	1767.1	1697.9	1546.4	1472.3	1417.9
19365.4	60°	16409.3	11684.4	2422.5	1529.9	1548.0	1671.6	1553.0	1490.4	1409.7	1348.8
21249.4	62.5°	18258.7	13395.5	2239.7	1342.2	1437.7	1529.9	1483.8	1421.2	1338.9	1279.6
24470.6	65°	20992.5	15773.6	1895.5	1195.6	1314.2	1391.6	1409.7	1347.1	1261.5	1198.9
27293.4	67.5°	23298.1	17265.6	1434.4	1073.8	1187.4	1279.6	1330.7	1269.7	1179.1	1118.2
27953.7	70°	23171.3	16182.0	1095.2	953.5	1075.4	1169.3	1235.1	1187.4	1090.2	1032.6
25391.2	72.5°	20580.8	13537.2	886.0	831.7	961.8	1054.0	1133.0	1096.8	998.0	942.0
18601.2	75°	15119.8	9609.4	708.1	708.1	820.1	933.8	1021.1	998.0	907.4	867.9
7809.4	77.5°	6373.3	4031.5	555.0	587.9	681.8	802.0	910.7	918.9	839.9	889.3
2065.2	80°	1694.6	1111.6	423.2	462.8	535.2	662.0	792.1	788.8	703.2	657.1
767.4	82.5°	645.6	438.1	301.4	326.1	387.0	507.2	627.5	647.2	561.6	485.8
301.4	85°	248.7	187.7	186.1	196.0	225.6	336.0	474.3	490.8	423.2	359.0
84.0	87.5°	64.2	56.0	69.2	65.9	103.8	179.5	271.7	281.6	258.6	149.9
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



<u>180°</u>
4550.3
4341.1
4023.3
3733.4
3558.9
3509.5
3549.0
3605.0
3605.0
3522.6
3369.5
3168.6
2936.3
2679.4
2453.8
2351.7
2201.8
1997.6
1829.7
1717.7
1635.3
1587.6
1469.0
1413.0
1345.5
1279.6
1202.2
1119.9
1037.5
942.0
856.4
807.0
611.0
485.8
370.5
214.1
0.0

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