

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: P852835

Luminaire Tested: **GLAN-SB6D-730-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852835
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6D-730-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 58915 lumens
Efficiency: N/A
Efficacy: 133.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

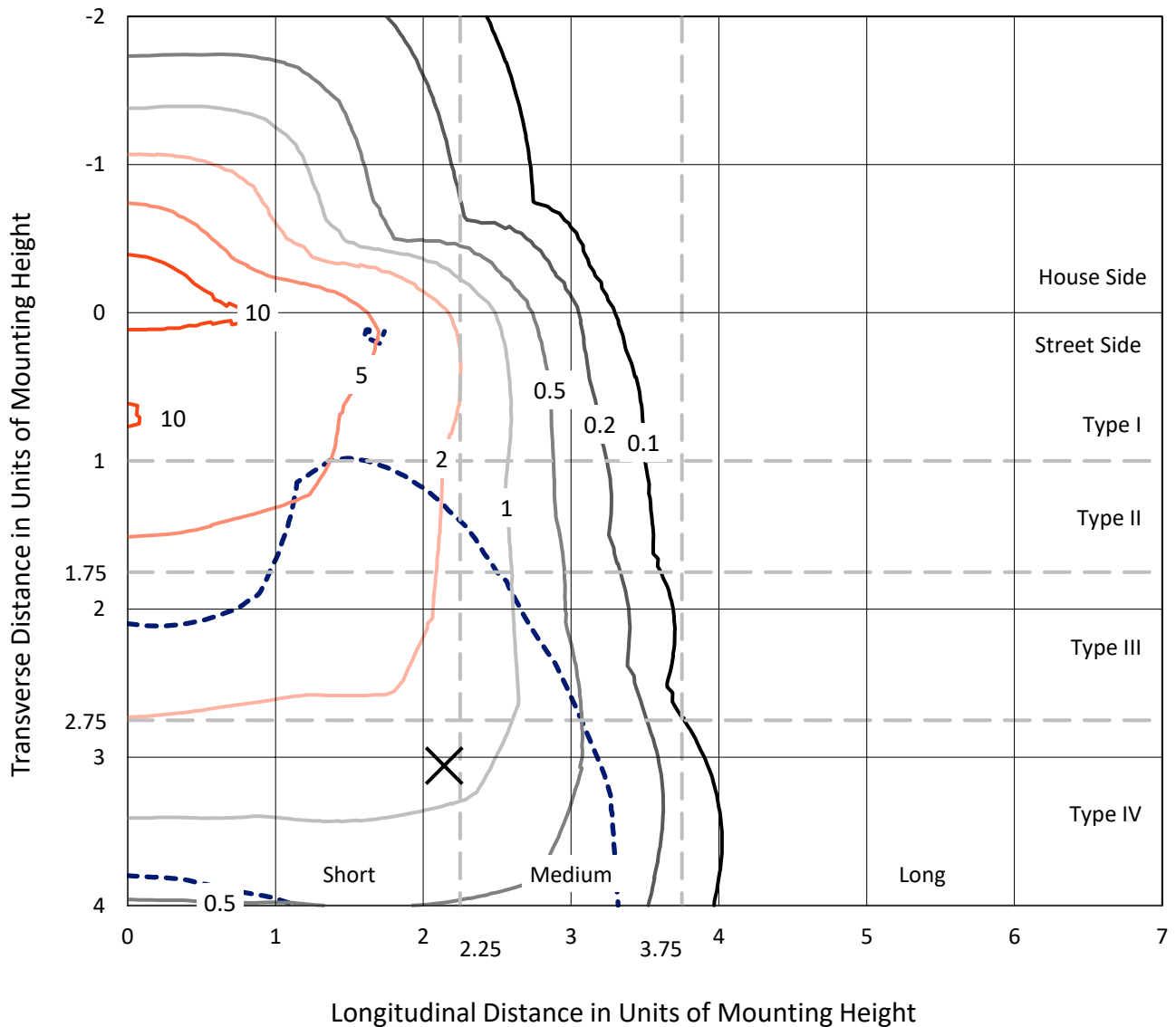
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

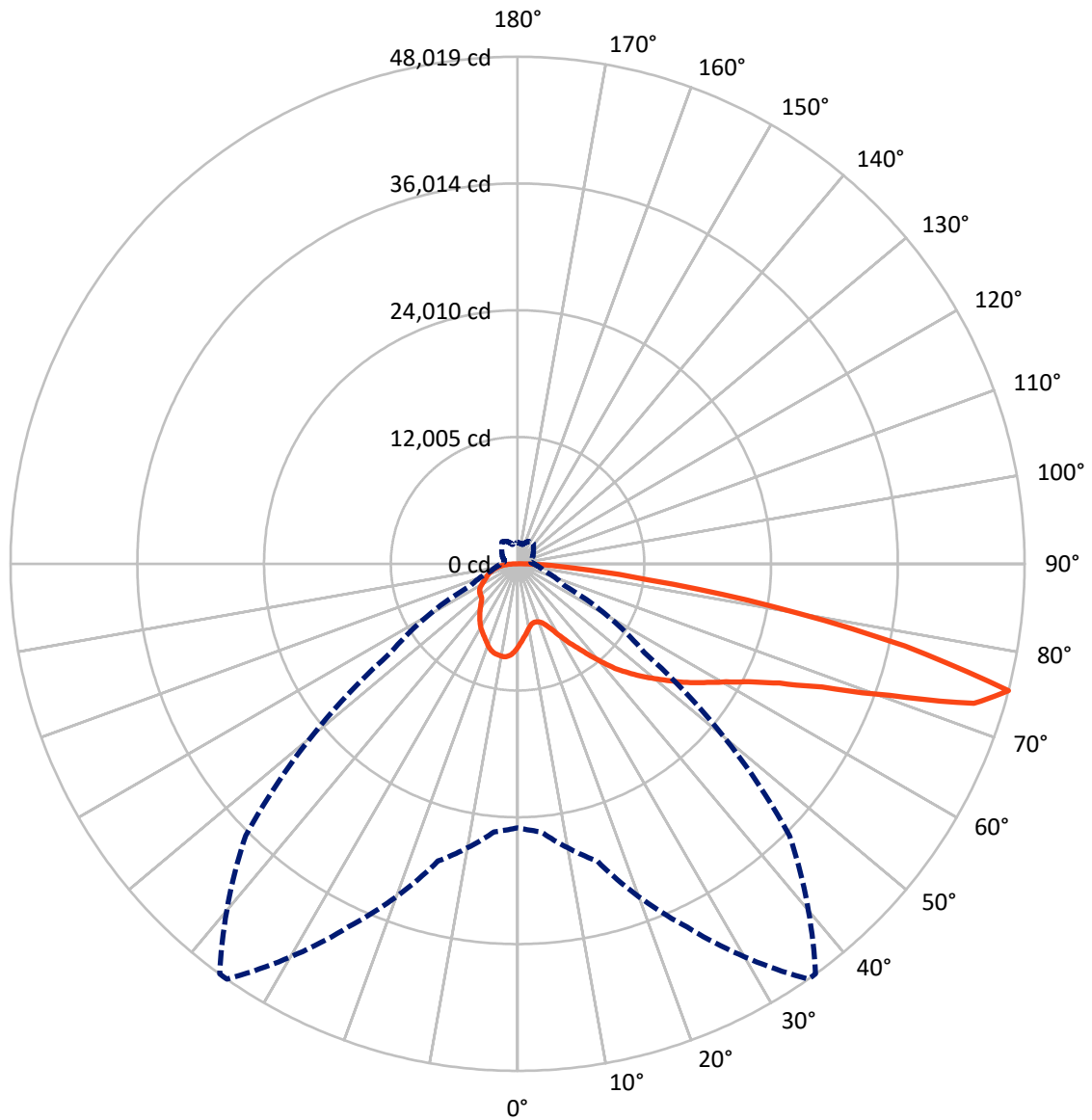
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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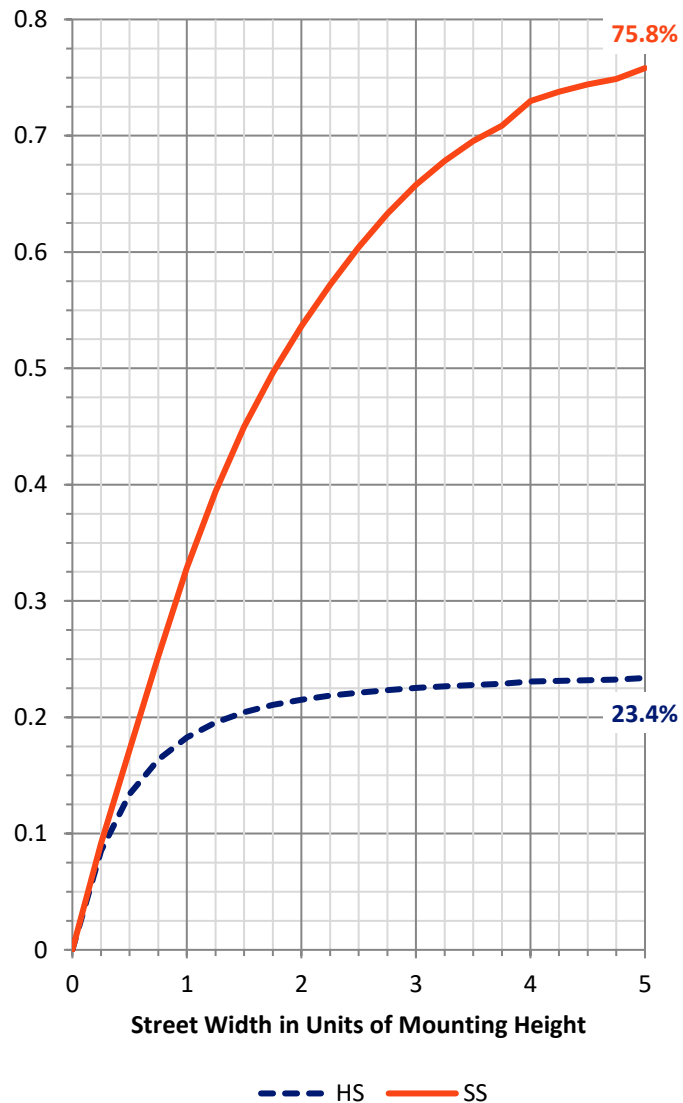
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14020.3	0.0	14020.3
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	44894.7	0.0	44894.7
	% Fixture	76.2	0.0	76.2
Total	Lumens	58915.0	0.0	58915.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	743.3	1.3
10°-20°	2144.0	3.6
20°-30°	3600.4	6.1
30°-40°	5595.5	9.5
40°-50°	8305.3	14.1
50°-60°	11465.9	19.5
60°-70°	13910.8	23.6
70°-80°	11496.2	19.5
80°-90°	1653.5	2.8
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°	58915.0	100.0
0°-180°	58915.0	100.0

Coefficient of Utilization

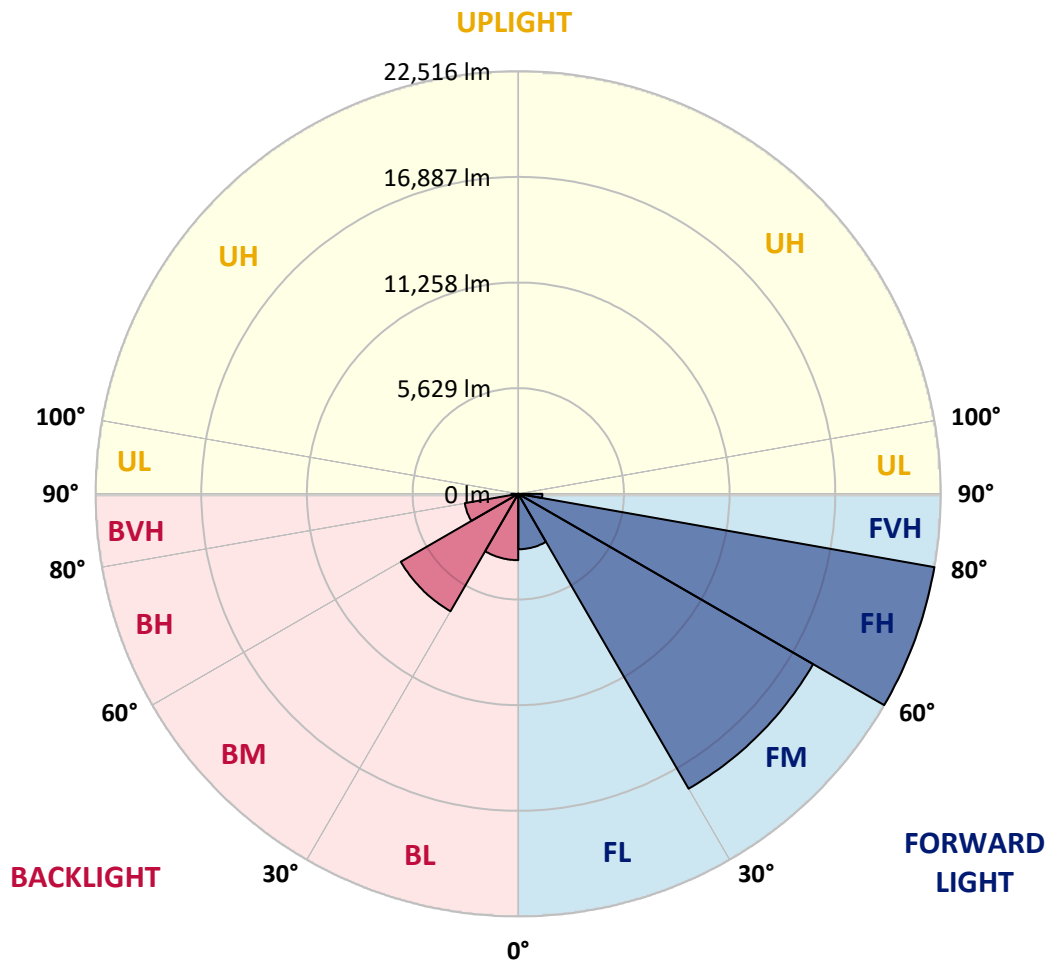


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2954.5	5.0			
FM (30°-60°)	18142.6	30.8			
FH (60°-80°)	22516.4	38.2			G5
FVH (80°-90°)	1281.2	2.2			G5
BL (0°-30°)	3533.3	6.0	B4/5000		
BM (30°-60°)	7224.1	12.3	B4/8500		
BH (60°-80°)	2890.5	4.9	B4/5000		G4/5000
BVH (80°-90°)	372.3	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	7850.8	7850.8	7850.8	7850.8	7850.8	7850.8	7850.8	7850.8	7850.8	7850.8
2.5°	7239.3	7283.9	7303.0	7293.5	7341.2	7334.9	7401.7	7484.6	7599.2	7710.7
5°	6682.0	6729.7	6771.1	6809.4	6901.7	6930.4	7035.5	7194.7	7404.9	7618.3
7.5°	6162.8	6204.2	6267.9	6338.0	6494.0	6522.7	6697.9	6946.3	7239.3	7551.4
10°	5739.2	5780.6	5847.5	5927.1	6121.4	6156.4	6379.4	6710.6	7092.8	7487.7
12.5°	5557.7	5570.4	5608.6	5688.3	5857.1	5879.4	6124.6	6503.6	6949.5	7440.0
15°	5548.1	5573.6	5576.8	5618.2	5758.3	5767.9	5994.0	6369.8	6860.3	7430.4
17.5°	5643.7	5662.8	5634.1	5659.6	5777.4	5793.4	5971.7	6306.1	6831.6	7471.8
20°	5898.5	5914.4	5828.4	5793.4	5879.4	5892.1	6067.3	6347.5	6860.3	7557.8
22.5°	6439.9	6449.5	6239.3	6095.9	6102.3	6108.7	6261.5	6516.3	6971.8	7713.9
25°	7283.9	7277.5	6943.1	6666.0	6506.8	6471.8	6573.7	6790.2	7159.7	7920.9
27.5°	8271.2	8223.5	7889.0	7475.0	7127.8	7076.9	7054.6	7147.0	7427.2	8194.8
30°	9386.0	9341.4	8981.5	8440.0	7959.1	7876.3	7666.1	7618.3	7825.3	8567.4
32.5°	10609.0	10580.3	10150.3	9494.2	8850.9	8755.3	8401.8	8274.4	8436.8	9131.2
35°	11634.5	11609.0	11252.3	10577.1	9790.4	9672.6	9312.7	9169.4	9252.2	9854.1
37.5°	12561.3	12548.6	12242.8	11710.9	10898.8	10755.5	10351.0	10303.2	10287.3	10806.4
40°	13421.2	13389.4	13070.9	12790.6	12188.7	12058.1	11701.4	11660.0	11539.0	11978.5
42.5°	14373.5	14290.7	13828.9	13698.3	13535.9	13427.6	13214.2	13220.6	12953.1	13300.2
45°	15150.7	15102.9	14628.3	14551.9	14727.1	14682.5	14867.2	14915.0	14395.8	14685.7
47.5°	15985.1	15940.5	15539.2	15485.1	15959.6	15972.4	16625.3	16641.2	15803.6	16125.2
50°	17013.8	16950.1	16552.0	16618.9	17150.8	17198.6	18392.9	18284.6	17099.8	17587.1
52.5°	17692.2	17730.4	17644.4	17752.7	18478.9	18523.5	20131.9	19854.8	18383.3	19029.9
55°	18192.3	18268.7	18536.2	18784.6	19880.3	19924.8	21772.1	21348.5	19447.1	20367.5
57.5°	18835.6	18727.3	19227.3	19711.5	21211.6	21329.4	23367.7	22788.1	20389.8	21520.5
60°	19759.2	19682.8	20071.4	20788.0	22702.1	22890.0	25055.7	24084.3	21081.0	22434.6
62.5°	21632.0	21440.9	21501.4	22135.2	24581.2	24829.6	26960.3	25215.0	21424.9	22791.3
65°	24431.5	24103.5	23797.7	24237.2	27227.9	27473.1	29110.1	26103.6	21297.5	22100.1
67.5°	27957.2	27632.3	27256.5	27670.6	31126.2	31320.5	31763.2	26603.6	20294.3	19437.6
70°	30865.0	30744.0	31193.1	32897.0	37352.7	37359.1	35164.7	26189.6	17545.7	13781.1
72.5°	30479.7	30406.4	32772.8	38040.7	45200.4	45031.6	38384.6	23055.6	11819.2	6217.0
75°	25004.8	25479.3	29145.2	37948.3	48019.0	47996.7	36413.2	14657.0	4888.8	2576.6
77.5°	13408.5	14160.1	18921.6	28017.7	37486.5	38050.2	25600.4	5127.7	2098.9	1649.8
80°	4372.9	5029.0	7541.9	14265.2	24358.3	24253.1	10972.0	2012.9	1436.4	1168.9
82.5°	1856.8	1933.2	3369.6	6736.1	12500.8	12306.5	3493.9	1156.1	1009.6	799.4
85°	726.2	812.2	1487.4	3114.8	5414.4	5296.5	1261.2	573.3	646.5	522.3
87.5°	238.9	289.8	531.9	1066.9	1684.8	1624.3	308.9	197.5	280.3	238.9
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°
7850.8	0°	7850.8	7850.8	7850.8	7850.8	7850.8	7850.8	7850.8	7850.8	7850.8	7850.8
7873.1	2.5°	7917.7	7968.7	8029.2	8118.4	8194.8	8258.5	8325.4	8366.8	8382.7	8430.5
7885.9	5°	7975.0	8086.5	8236.2	8382.7	8526.0	8612.0	8688.5	8726.7	8761.7	8787.2
7920.9	7.5°	8070.6	8213.9	8449.6	8640.7	8761.7	8831.8	8882.7	8870.0	8882.7	8889.1
7959.1	10°	8153.4	8354.0	8634.3	8815.9	8908.2	8911.4	8898.7	8854.1	8831.8	8835.0
8016.4	12.5°	8252.1	8475.1	8777.6	8930.5	8956.0	8885.9	8831.8	8755.3	8726.7	8713.9
8102.4	15°	8385.9	8640.7	8933.7	8991.0	8927.3	8838.1	8745.8	8621.6	8557.9	8506.9
8248.9	17.5°	8548.3	8828.6	9054.7	9013.3	8876.4	8729.9	8580.2	8392.3	8261.7	8207.5
8449.6	20°	8774.4	9026.1	9147.1	8965.5	8758.5	8535.6	8280.8	8051.5	7930.4	7876.3
8704.4	22.5°	9048.4	9290.4	9236.3	8882.7	8589.7	8233.0	7914.5	7745.7	7685.2	7647.0
9032.4	25°	9376.4	9583.4	9300.0	8761.7	8312.6	7831.7	7586.5	7532.3	7503.7	7475.0
9433.7	27.5°	9803.2	9914.6	9347.7	8583.4	7879.5	7404.9	7315.8	7325.3	7315.8	7268.0
9991.1	30°	10366.9	10344.6	9392.3	8293.5	7382.6	7019.6	7025.9	7067.3	7073.7	7041.9
10768.2	32.5°	11109.0	10882.9	9414.6	7917.7	6908.1	6682.0	6688.3	6732.9	6764.8	6710.6
11784.2	35°	12007.1	11510.3	9379.6	7446.3	6541.8	6360.3	6312.5	6325.2	6334.8	6283.8
13016.8	37.5°	13055.0	12214.2	9223.5	6924.0	6239.3	6045.0	5943.1	5857.1	5806.1	5758.3
14411.8	40°	14204.7	12981.7	8936.9	6414.4	5901.7	5710.6	5557.7	5395.3	5223.3	5159.6
15889.6	42.5°	15408.6	13771.6	8589.7	5927.1	5513.1	5357.0	5194.6	4958.9	4700.9	4570.4
17424.7	45°	16657.1	14580.6	8248.9	5446.2	5115.0	5048.1	4860.2	4576.7	4296.5	4130.8
18963.0	47.5°	17880.1	15344.9	7748.9	4962.1	4742.3	4815.6	4669.1	4407.9	4095.8	3834.6
20488.6	50°	19049.0	16061.5	6930.4	4471.6	4439.8	4745.5	4605.4	4229.6	3872.9	3538.4
21985.5	52.5°	20208.3	16641.2	5882.5	4025.7	4277.3	4726.4	4522.6	4108.5	3672.2	3321.9
23393.2	55°	21192.4	16940.6	4872.9	3643.5	4041.7	4564.0	4423.9	3965.2	3388.8	3016.1
24358.3	57.5°	21753.0	16698.5	4032.1	3267.7	3716.8	4296.5	4255.1	3659.5	3051.2	2764.5
24546.2	60°	21510.9	15717.6	3344.2	2939.7	3407.9	4006.6	3962.0	3356.9	2793.2	2522.5
23539.7	62.5°	20176.5	13848.0	2799.5	2653.0	3127.6	3710.4	3669.0	3124.4	2595.7	2334.5
20867.6	65°	17488.4	11265.1	2375.9	2414.2	2844.1	3353.7	3414.2	2930.1	2439.6	2184.9
16144.3	67.5°	13338.4	8159.8	2044.7	2207.1	2567.0	3003.4	3178.5	2790.0	2309.1	2067.0
9341.4	70°	7602.4	4634.1	1764.4	2006.5	2321.8	2678.5	2997.0	2678.5	2168.9	1968.3
3500.2	72.5°	2882.4	2127.5	1525.6	1805.8	2086.1	2404.6	2796.4	2503.3	2006.5	1856.8
1809.0	75°	1538.3	1296.3	1283.5	1570.2	1815.4	2137.1	2544.7	2331.4	1885.5	1961.9
1251.7	77.5°	1047.8	917.3	1073.3	1344.0	1519.2	1840.9	2277.2	2070.2	1633.9	1627.5
866.3	80°	726.2	649.7	872.7	1082.9	1175.2	1547.9	1987.4	1777.2	1331.3	1242.1
535.1	82.5°	436.3	423.6	652.9	809.0	831.3	1194.3	1646.6	1490.5	1089.2	949.1
318.5	85°	238.9	251.6	417.2	474.6	484.1	834.4	1289.9	1152.9	837.6	703.9
114.7	87.5°	66.9	86.0	152.9	187.9	232.5	433.1	767.6	684.8	420.4	293.0
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>
7850.8
8427.3
8793.6
8898.7
8841.3
8707.6
8522.8
8210.7
7869.9
7653.4
7475.0
7277.5
7057.8
6736.1
6318.9
5790.2
5188.2
4586.3
4118.1
3806.0
3509.8
3283.7
2984.3
2726.3
2484.2
2293.1
2143.4
2028.8
1942.8
1831.3
2025.6
1500.1
1188.0
955.5
710.2
293.0
0.0

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