

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: P850963

Luminaire Tested: **GLAN-SB8D-722-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850963
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8D-722-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 63783 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B5 - U0 - G5

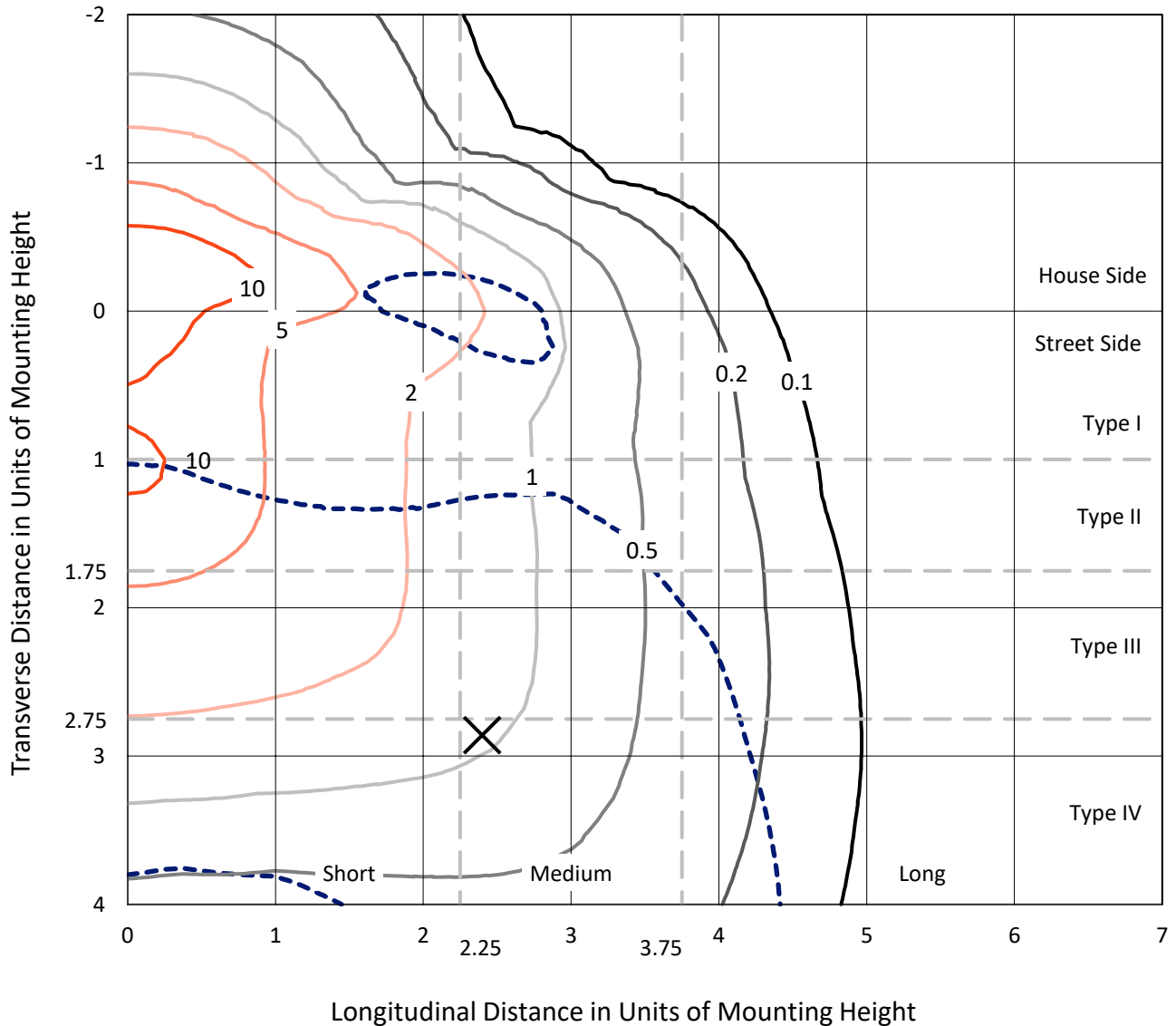
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

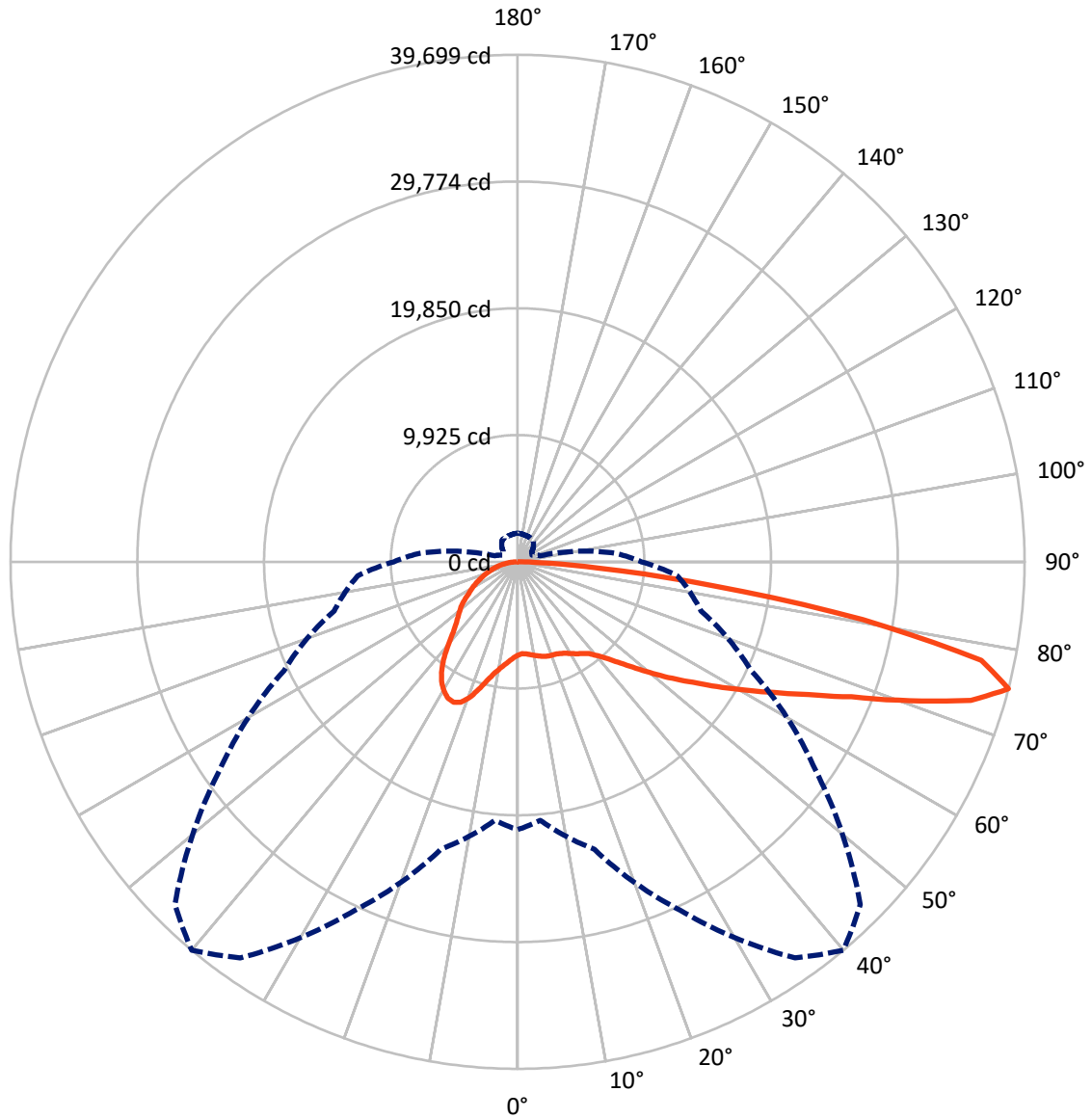
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.1 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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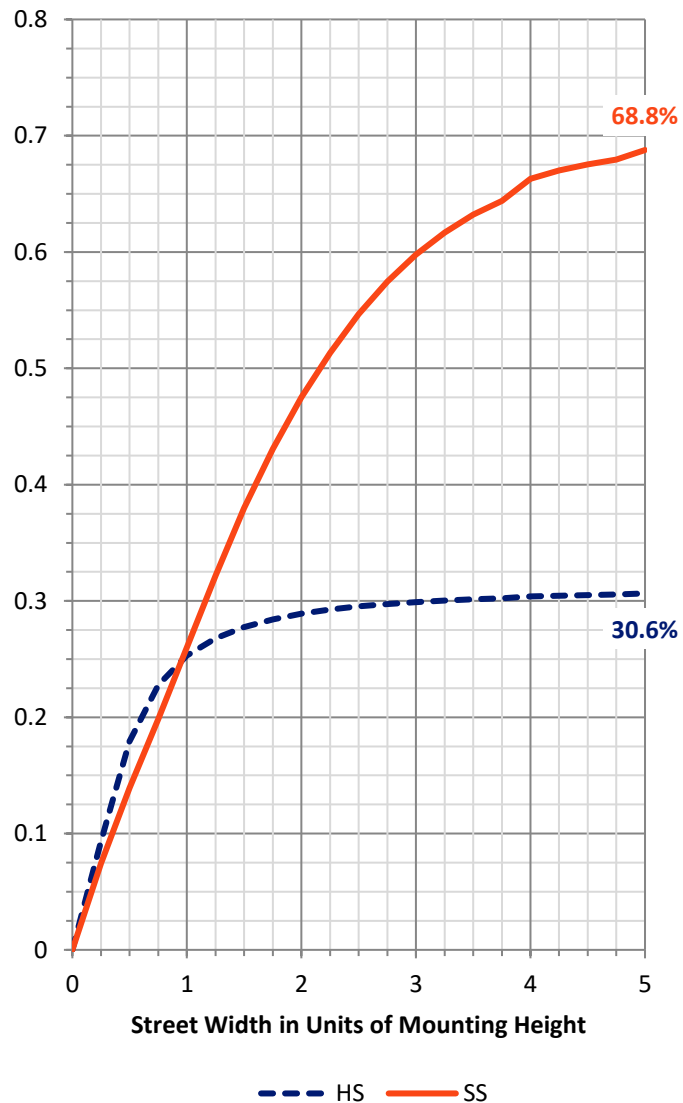
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19762.1	0.0	19762.1
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	44020.9	0.0	44020.9
	% Fixture	69.0	0.0	69.0
Total	Lumens	63783.0	0.0	63783.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	728.1	1.1
10°-20°	2444.4	3.8
20°-30°	4463.3	7.0
30°-40°	6330.1	9.9
40°-50°	8547.6	13.4
50°-60°	11498.8	18.0
60°-70°	14594.6	22.9
70°-80°	13245.5	20.8
80°-90°	1930.8	3.0
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°	63783.0	100.0
0°-180°	63783.0	100.0

Coefficient of Utilization

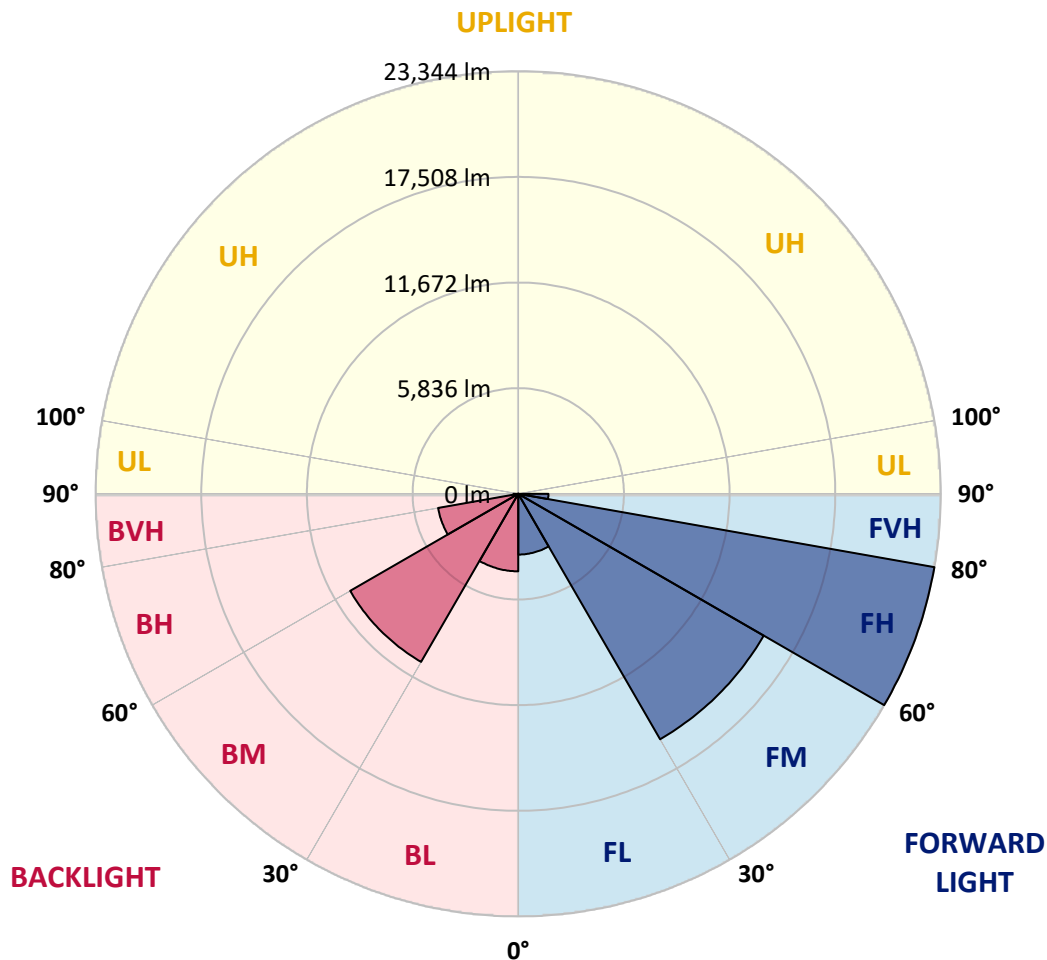


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3355.0	5.3			
FM (30°-60°)	15657.3	24.5			
FH (60°-80°)	23343.6	36.6			G5
FVH (80°-90°)	1665.0	2.6			G5
BL (0°-30°)	4280.7	6.7	B4/5000		
BM (30°-60°)	10719.2	16.8	B5		
BH (60°-80°)	4496.5	7.0	B4/5000		G4/5000
BVH (80°-90°)	265.8	0.4			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	7293.7	7293.7	7293.7	7293.7	7293.7	7293.7	7293.7	7293.7	7293.7	7293.7
2.5°	7182.0	7222.6	7212.5	7198.9	7198.9	7202.3	7198.9	7222.6	7246.3	7270.0
5°	7256.5	7297.1	7276.8	7259.8	7246.3	7242.9	7232.8	7229.4	7242.9	7273.4
7.5°	7401.9	7442.5	7412.1	7381.6	7354.6	7341.0	7327.5	7307.2	7297.1	7314.0
10°	7564.3	7604.9	7567.7	7513.6	7469.6	7452.7	7439.1	7418.8	7405.3	7415.5
12.5°	7726.7	7767.3	7716.5	7642.1	7584.6	7574.5	7557.5	7550.8	7547.4	7544.0
15°	7878.9	7912.8	7848.5	7760.5	7699.6	7682.7	7665.8	7675.9	7692.9	7713.2
17.5°	7997.3	8031.2	7936.4	7821.4	7763.9	7757.1	7747.0	7780.8	7828.2	7878.9
20°	8105.6	8139.4	8017.6	7862.0	7794.3	7794.3	7797.7	7868.8	7936.4	8010.9
22.5°	8257.8	8284.9	8136.0	7922.9	7824.8	7831.6	7858.6	7929.7	8014.2	8115.7
25°	8484.5	8504.8	8322.1	8037.9	7926.3	7946.6	7970.3	8004.1	8085.3	8203.7
27.5°	8849.8	8866.7	8626.6	8240.9	8071.8	8105.6	8139.4	8115.7	8152.9	8254.4
30°	9364.0	9374.2	9069.7	8558.9	8318.7	8335.6	8342.4	8244.3	8173.2	8254.4
32.5°	9973.0	9969.6	9607.6	8944.6	8599.5	8582.6	8525.1	8332.2	8166.5	8237.5
35°	10916.8	10879.6	10412.8	9485.8	8917.5	8812.6	8677.3	8430.3	8200.3	8220.6
37.5°	12479.8	12364.7	11718.6	10372.2	9391.1	9123.9	8924.3	8589.3	8274.7	8213.8
40°	14242.3	14096.8	13386.4	11586.7	10101.5	9671.9	9350.5	8816.0	8396.5	8244.3
42.5°	16333.0	16126.6	15362.0	13017.6	11001.4	10378.9	9895.2	9103.6	8575.8	8342.4
45°	18900.6	18626.6	17544.1	14631.3	12134.7	11305.9	10659.7	9540.0	8849.8	8531.8
47.5°	21495.4	21563.0	20023.8	16478.4	13494.6	12449.3	11617.1	10196.3	9249.0	8836.3
50°	24252.5	24299.8	22489.9	18525.1	15037.3	13741.6	12692.9	10930.4	9803.8	9269.3
52.5°	26404.0	26410.8	24729.5	20666.5	16644.2	15162.4	13853.2	11769.3	10446.6	9844.4
55°	27750.5	27733.5	26299.2	22692.9	18491.3	16654.3	15138.8	12723.3	11231.4	10521.0
57.5°	28728.1	28677.4	27381.7	24435.2	20460.2	18416.9	16593.4	13805.9	12158.4	11326.2
60°	29100.3	29069.8	28115.8	25940.6	22530.5	20365.4	18271.4	15017.0	13210.5	12276.8
62.5°	29242.3	29299.9	28836.4	27398.6	24746.4	22523.8	20115.1	16464.9	14394.5	13352.6
65°	29743.0	29847.9	29753.2	29306.6	27249.8	25050.9	22561.0	18186.8	15686.8	14506.2
67.5°	30734.2	30839.1	30879.7	31590.1	30308.0	28200.4	25612.4	20331.6	17199.0	15703.7
70°	30710.5	30680.1	31397.3	33406.8	34137.5	32561.0	29726.1	22970.3	19002.1	16698.3
72.5°	27953.4	27709.9	29404.7	33386.5	37324.2	37114.5	34749.8	26373.6	20558.3	16820.1
75°	20971.0	20321.5	23315.4	30088.1	37855.4	39699.1	37943.3	28484.6	20189.5	14861.4
77.5°	8968.2	8315.3	11843.8	22273.4	33880.4	37111.1	35013.7	24851.3	16116.4	9827.5
80°	2347.8	2344.4	3579.2	10098.1	23041.4	27405.4	24042.7	16048.8	9208.4	3511.5
82.5°	970.9	947.2	1316.0	3927.6	11258.5	15379.0	12550.8	7158.4	3325.5	950.6
85°	362.0	358.6	639.4	1356.6	3971.6	6343.1	4590.7	1830.2	828.8	463.5
87.5°	101.5	98.1	138.7	470.2	967.5	1468.2	784.8	301.1	233.4	182.7
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°
7293.7	0°	7293.7	7293.7	7293.7	7293.7	7293.7	7293.7	7293.7	7293.7	7293.7	7293.7
7307.2	2.5°	7317.4	7334.3	7364.7	7388.4	7418.8	7452.7	7500.0	7530.5	7560.9	7581.2
7324.1	5°	7347.8	7385.0	7462.8	7540.6	7632.0	7716.5	7814.6	7885.7	7943.2	7960.1
7385.0	7.5°	7415.5	7476.4	7608.3	7740.2	7885.7	8024.4	8166.5	8288.3	8386.4	8423.6
7493.3	10°	7533.9	7615.1	7801.1	7987.2	8180.0	8393.1	8575.8	8751.7	8890.4	8947.9
7621.8	12.5°	7682.7	7784.2	8027.8	8284.9	8552.1	8846.5	9083.3	9299.8	9472.3	9550.1
7801.1	15°	7875.5	8007.5	8318.7	8663.8	9056.2	9465.5	9766.6	10006.8	10199.6	10294.4
7987.2	17.5°	8085.3	8261.2	8653.6	9174.6	9736.2	10274.1	10625.9	10801.8	11001.4	11092.7
8159.7	20°	8288.3	8504.8	9066.3	9824.1	10571.8	11143.5	11427.7	11475.0	11488.5	11498.7
8322.1	22.5°	8498.0	8788.9	9583.9	10642.8	11444.6	11840.4	11881.0	11678.0	11393.8	11261.9
8481.1	25°	8728.0	9113.7	10260.5	11546.1	12195.6	12242.9	11931.7	11437.8	10899.9	10653.0
8609.6	27.5°	8951.3	9489.2	11072.4	12408.7	12736.9	12320.8	11650.9	10950.7	10301.1	10040.6
8701.0	30°	9174.6	9918.9	11968.9	13163.1	12983.8	12127.9	11207.8	10426.3	9773.4	9499.4
8782.2	32.5°	9401.3	10419.5	13000.7	13707.8	12939.8	11718.6	10656.3	9837.7	9262.6	8975.0
8853.2	35°	9658.4	11035.2	13978.4	14005.5	12645.5	11116.4	9929.0	9134.0	8633.3	8403.3
8937.8	37.5°	9993.3	11816.7	14841.1	14079.9	12131.3	10233.5	9025.7	8301.8	7889.1	7784.2
9063.0	40°	10409.4	12757.2	15500.7	13961.5	11370.1	9161.1	8037.9	7459.4	7226.0	7249.7
9232.1	42.5°	10950.7	13809.3	15964.2	13657.0	10311.3	8054.8	7171.9	6914.8	7026.4	7121.1
9485.8	45°	11654.3	14902.0	16251.8	13139.4	9113.7	7117.8	6661.1	6722.0	6806.5	6816.7
9895.2	47.5°	12554.2	16008.2	16441.2	12358.0	7892.5	6458.1	6336.3	6349.8	6332.9	6261.9
10507.5	50°	13677.3	17084.0	16610.4	11322.8	6853.9	6045.4	5883.0	5835.6	5602.2	5372.1
11322.8	52.5°	14956.1	18071.8	16681.4	10037.3	6045.4	5700.3	5436.4	5138.7	4702.3	4631.3
12347.8	55°	16376.9	18985.2	16498.7	8457.4	5365.4	5257.1	4857.9	4499.3	4452.0	4391.1
13697.6	57.5°	18075.2	19969.6	16126.6	6694.9	4668.5	4739.5	4350.5	4391.1	4306.5	4211.8
15433.1	60°	19932.4	20987.9	15473.7	5088.0	3947.9	4093.4	4218.6	4215.2	4191.5	4113.7
17263.3	62.5°	21603.6	21657.7	14188.2	3897.2	3315.3	3592.7	3934.4	3931.0	3910.7	3866.7
19174.6	65°	22598.2	21556.2	12043.4	3068.3	2794.3	3180.0	3548.7	3575.8	3579.2	3575.8
20612.4	67.5°	22422.3	20368.8	9100.2	2442.5	2364.7	2760.5	3166.5	3203.7	3230.7	3237.5
20795.1	70°	20433.1	17760.6	5933.7	1948.6	1982.4	2391.8	2804.5	2841.7	2865.4	2892.4
18044.7	72.5°	15927.0	13058.2	3396.5	1576.5	1647.5	2073.8	2445.9	2489.9	2503.4	2554.1
12557.6	75°	9705.7	7679.3	1833.6	1241.5	1353.2	1772.7	2090.7	2141.4	2165.1	2226.0
6167.1	77.5°	4614.4	3325.5	1045.3	967.5	1089.3	1447.9	1765.9	1823.4	1759.1	1793.0
1701.6	80°	1559.5	1234.8	659.7	737.5	832.2	1129.9	1414.1	1471.6	1336.3	1329.5
565.0	82.5°	544.7	500.7	419.5	490.5	537.9	808.5	1069.0	1143.4	994.6	991.2
253.7	85°	213.1	203.0	233.4	267.3	321.4	497.3	703.7	740.9	612.3	493.9
74.4	87.5°	44.0	47.4	57.5	60.9	98.1	172.5	253.7	311.2	247.0	209.7
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>
7293.7
7567.7
7966.9
8427.0
8951.3
9550.1
10287.6
11089.4
11525.8
11299.1
10690.2
10071.1
9529.8
9012.2
8454.0
7858.6
7330.9
7209.1
6884.3
6316.0
5402.6
4655.0
4401.2
4194.9
4086.6
3849.8
3575.8
3244.3
2906.0
2574.4
2232.8
1765.9
1316.0
943.8
487.1
192.8
0.0

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