

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: P850393

Luminaire Tested: **GLAN-SB7D-850-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850393
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-SB7D-850-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 5000K, 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: 61596 lumens
Efficiency: N/A
Efficacy: 120.1 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

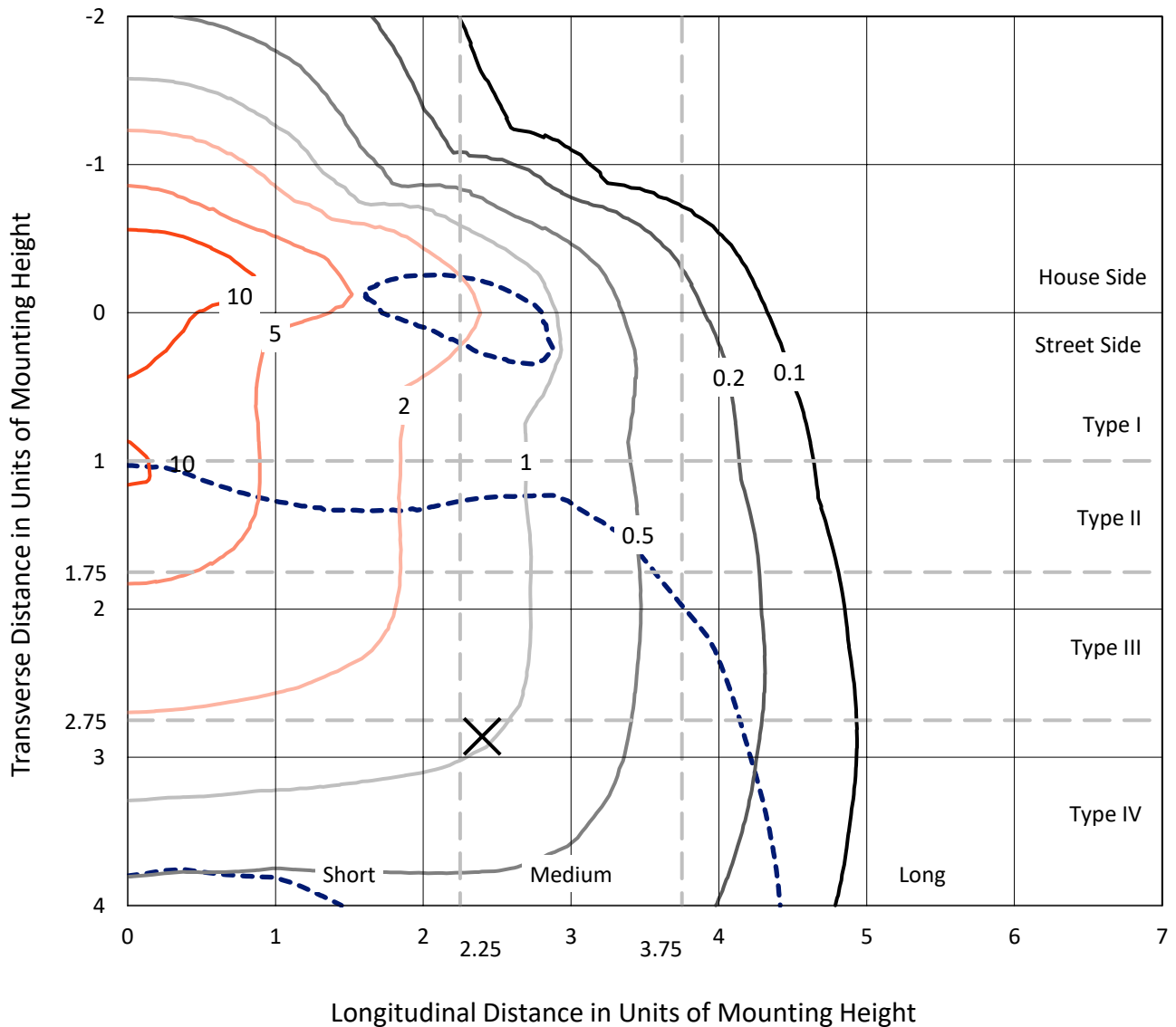
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

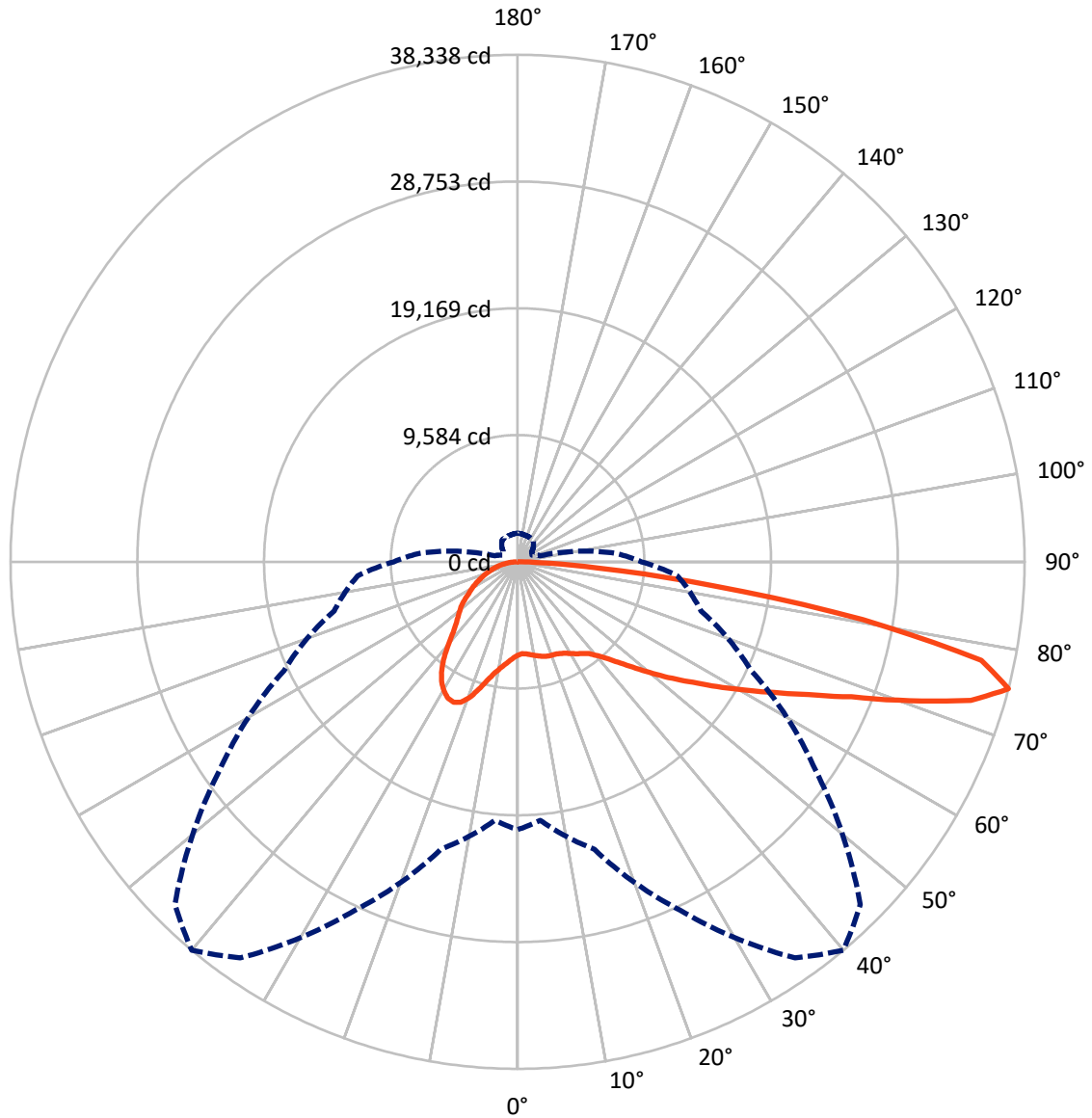
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.6 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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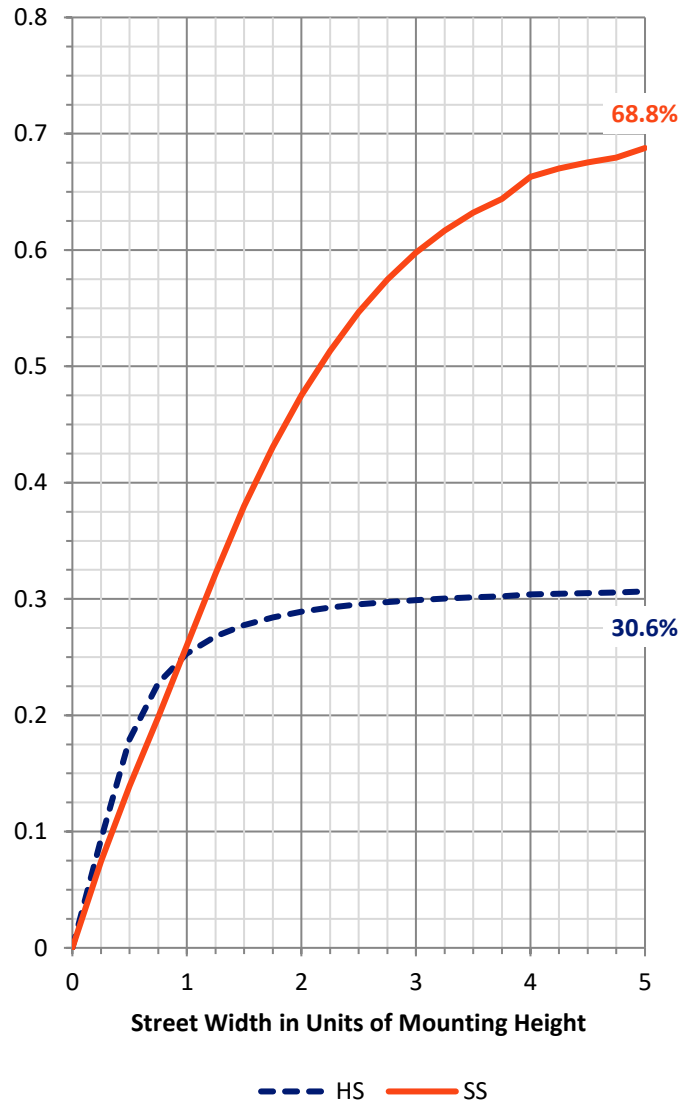
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19084.5	0.0	19084.5
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	42511.5	0.0	42511.5
	% Fixture	69.0	0.0	69.0
Total	Lumens	61596.0	0.0	61596.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	703.1	1.1
10°-20°	2360.6	3.8
20°-30°	4310.2	7.0
30°-40°	6113.1	9.9
40°-50°	8254.5	13.4
50°-60°	11104.5	18.0
60°-70°	14094.2	22.9
70°-80°	12791.3	20.8
80°-90°	1864.6	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°	61596.0	100.0
0°-180°	61596.0	100.0

Coefficient of Utilization

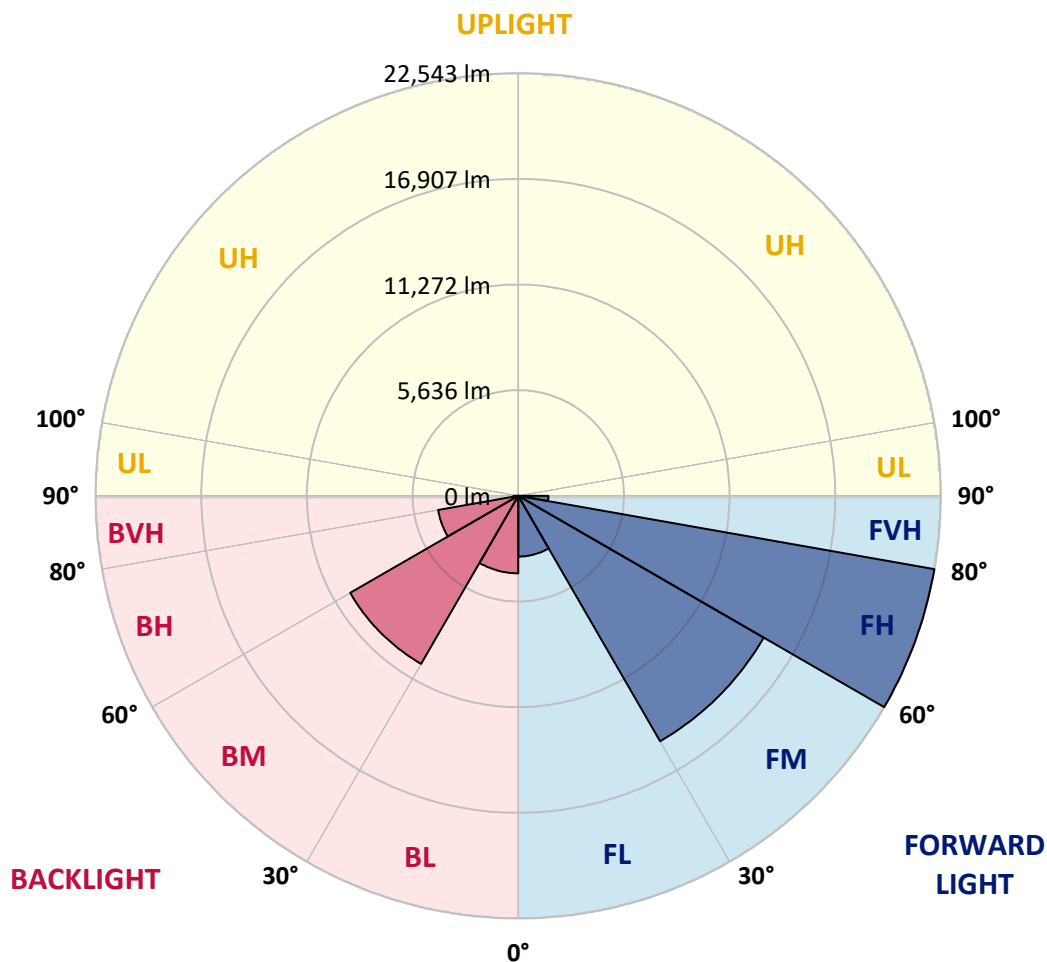


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3240.0	5.3			
FM (30°-60°)	15120.4	24.5			
FH (60°-80°)	22543.2	36.6			G5
FVH (80°-90°)	1607.9	2.6			G5
BL (0°-30°)	4133.9	6.7	B4/5000		
BM (30°-60°)	10351.6	16.8	B5		
BH (60°-80°)	4342.3	7.0	B4/5000		G4/5000
BVH (80°-90°)	256.7	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°	7043.6	7043.6	7043.6	7043.6	7043.6	7043.6	7043.6	7043.6	7043.6	7043.6
2.5°	6935.8	6975.0	6965.2	6952.1	6952.1	6955.4	6952.1	6975.0	6997.8	7020.7
5°	7007.6	7046.9	7027.2	7010.9	6997.8	6994.6	6984.8	6981.5	6994.6	7024.0
7.5°	7148.1	7187.3	7157.9	7128.5	7102.4	7089.3	7076.3	7056.7	7046.9	7063.2
10°	7304.9	7344.1	7308.2	7255.9	7213.5	7197.1	7184.1	7164.5	7151.4	7161.2
12.5°	7461.8	7501.0	7452.0	7380.1	7324.5	7314.7	7298.4	7291.9	7288.6	7285.3
15°	7608.8	7641.4	7579.4	7494.4	7435.6	7419.3	7403.0	7412.8	7429.1	7448.7
17.5°	7723.1	7755.8	7664.3	7553.2	7497.7	7491.2	7481.4	7514.0	7559.8	7608.8
20°	7827.7	7860.3	7742.7	7592.4	7527.1	7527.1	7530.4	7599.0	7664.3	7736.2
22.5°	7974.7	8000.8	7857.1	7651.2	7556.5	7563.0	7589.2	7657.8	7739.4	7837.5
25°	8193.6	8213.2	8036.7	7762.3	7654.5	7674.1	7697.0	7729.6	7808.1	7922.4
27.5°	8546.4	8562.7	8330.8	7958.3	7795.0	7827.7	7860.3	7837.5	7873.4	7971.4
30°	9043.0	9052.8	8758.7	8265.4	8033.5	8049.8	8056.3	7961.6	7893.0	7971.4
32.5°	9631.0	9627.8	9278.2	8637.9	8304.6	8288.3	8232.8	8046.5	7886.5	7955.1
35°	10542.5	10506.6	10055.7	9160.6	8611.7	8510.5	8379.8	8141.3	7919.1	7938.7
37.5°	12051.8	11940.8	11316.8	10016.5	9069.1	8811.0	8618.3	8294.8	7991.0	7932.2
40°	13753.9	13613.5	12927.4	11189.4	9755.2	9340.3	9029.9	8513.7	8108.6	7961.6
42.5°	15772.9	15573.6	14835.3	12571.3	10624.2	10023.1	9555.9	8791.4	8281.8	8056.3
45°	18252.6	17987.9	16942.5	14129.6	11718.6	10918.2	10294.2	9212.9	8546.4	8239.3
47.5°	20758.3	20823.7	19337.2	15913.4	13031.9	12022.4	11218.8	9846.6	8931.9	8533.3
50°	23420.9	23466.6	21718.8	17889.9	14521.7	13270.4	12257.7	10555.6	9467.7	8951.5
52.5°	25498.7	25505.2	23881.5	19957.9	16073.5	14642.6	13378.2	11365.8	10088.4	9506.9
55°	26798.9	26782.6	25397.4	21914.8	17857.3	16083.3	14619.7	12287.1	10846.3	10160.3
57.5°	27743.1	27694.1	26442.8	23597.3	19758.6	17785.4	16024.5	13332.5	11741.5	10937.8
60°	28102.5	28073.1	27151.8	25051.1	21758.0	19667.2	17644.9	14502.1	12757.5	11855.8
62.5°	28239.7	28295.2	27847.6	26459.2	23897.9	21751.5	19425.4	15900.3	13901.0	12894.7
65°	28723.2	28824.5	28733.0	28301.8	26315.4	24191.9	21787.4	17563.2	15148.9	14008.8
67.5°	29680.4	29781.7	29820.9	30507.0	29268.8	27233.5	24734.2	19634.5	16609.3	15165.3
70°	29657.5	29628.1	30320.7	32261.3	32967.0	31444.6	28706.9	22182.7	18350.6	16125.8
72.5°	26995.0	26759.7	28396.5	32241.7	36044.5	35841.9	33558.3	25469.3	19853.4	16243.4
75°	20251.9	19624.7	22515.9	29056.4	36557.4	38337.9	36642.3	27507.9	19497.3	14351.8
77.5°	8660.7	8030.2	11437.7	21509.7	32718.7	35838.6	33813.1	23999.2	15563.8	9490.5
80°	2267.3	2264.0	3456.5	9751.9	22251.3	26465.7	23218.3	15498.5	8892.7	3391.1
82.5°	937.6	914.8	1270.9	3793.0	10872.5	14851.6	12120.5	6912.9	3211.4	918.0
85°	349.6	346.3	617.5	1310.1	3835.4	6125.6	4433.3	1767.4	800.4	447.6
87.5°	98.0	94.7	133.9	454.1	934.4	1417.9	757.9	290.8	225.4	176.4
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°
7043.6	0°	7043.6	7043.6	7043.6	7043.6	7043.6	7043.6	7043.6	7043.6	7043.6	7043.6
7056.7	2.5°	7066.5	7082.8	7112.2	7135.1	7164.5	7197.1	7242.9	7272.3	7301.7	7321.3
7073.0	5°	7095.9	7131.8	7206.9	7282.1	7370.3	7452.0	7546.7	7615.3	7670.8	7687.2
7131.8	7.5°	7161.2	7220.0	7347.4	7474.8	7615.3	7749.2	7886.5	8004.1	8098.8	8134.8
7236.3	10°	7275.5	7353.9	7533.6	7713.3	7899.5	8105.3	8281.8	8451.6	8585.6	8641.1
7360.5	12.5°	7419.3	7517.3	7752.5	8000.8	8258.9	8543.1	8771.8	8980.9	9147.5	9222.7
7533.6	15°	7605.5	7732.9	8033.5	8366.7	8745.7	9141.0	9431.7	9663.7	9849.9	9941.4
7713.3	17.5°	7808.1	7977.9	8356.9	8860.0	9402.3	9921.8	10261.5	10431.4	10624.2	10712.4
7879.9	20°	8004.1	8213.2	8755.5	9487.3	10209.3	10761.4	11035.8	11081.6	11094.6	11104.4
8036.7	22.5°	8206.6	8487.6	9255.3	10277.9	11052.2	11434.4	11473.6	11277.6	11003.2	10875.7
8190.3	25°	8428.8	8801.2	9908.7	11150.2	11777.4	11823.2	11522.6	11045.6	10526.2	10287.7
8314.4	27.5°	8644.4	9163.8	10692.8	11983.2	12300.1	11898.3	11251.4	10575.2	9947.9	9696.4
8402.6	30°	8860.0	9578.8	11558.5	12711.8	12538.6	11712.1	10823.5	10068.8	9438.3	9173.6
8481.1	32.5°	9078.9	10062.3	12555.0	13237.8	12496.2	11316.8	10291.0	9500.3	8945.0	8667.3
8549.7	35°	9327.2	10656.9	13499.1	13525.3	12211.9	10735.3	9588.6	8820.8	8337.3	8115.2
8631.3	37.5°	9650.6	11411.5	14332.2	13597.1	11715.4	9882.6	8716.3	8017.1	7618.6	7517.3
8752.2	40°	10052.5	12319.7	14969.3	13482.8	10980.3	8847.0	7762.3	7203.7	6978.2	7001.1
8915.6	42.5°	10575.2	13335.8	15416.8	13188.8	9957.7	7778.7	6926.0	6677.7	6785.5	6877.0
9160.6	45°	11254.7	14391.0	15694.5	12688.9	8801.2	6873.7	6432.7	6491.5	6573.1	6582.9
9555.9	47.5°	12123.7	15459.3	15877.5	11934.2	7621.8	6236.6	6119.0	6132.1	6115.8	6047.2
10147.2	50°	13208.4	16498.2	16040.8	10934.5	6618.9	5838.1	5681.3	5635.5	5410.1	5187.9
10934.5	52.5°	14443.3	17452.1	16109.4	9693.1	5838.1	5504.8	5250.0	4962.5	4541.1	4472.5
11924.4	55°	15815.4	18334.2	15933.0	8167.4	5181.4	5076.9	4691.4	4345.1	4299.3	4240.5
13228.0	57.5°	17455.4	19284.9	15573.6	6465.3	4508.4	4577.0	4201.3	4240.5	4158.9	4067.4
14903.9	60°	19249.0	20268.3	14943.1	4913.5	3812.6	3953.0	4073.9	4070.6	4047.8	3972.6
16671.3	62.5°	20862.9	20915.1	13701.7	3763.5	3201.6	3469.5	3799.5	3796.2	3776.6	3734.1
18517.2	65°	21823.4	20817.1	11630.4	2963.1	2698.5	3071.0	3427.1	3453.2	3456.5	3453.2
19905.6	67.5°	21653.5	19670.4	8788.1	2358.8	2283.6	2665.8	3057.9	3093.8	3120.0	3126.5
20082.1	70°	19732.5	17151.6	5730.3	1881.8	1914.4	2309.7	2708.3	2744.3	2767.1	2793.3
17426.0	72.5°	15380.9	12610.5	3280.0	1522.4	1591.0	2002.7	2362.0	2404.5	2417.6	2466.6
12127.0	75°	9372.9	7416.0	1770.7	1199.0	1306.8	1711.9	2019.0	2068.0	2090.9	2149.7
5955.7	77.5°	4456.1	3211.4	1009.5	934.4	1052.0	1398.3	1705.4	1760.9	1698.8	1731.5
1643.3	80°	1506.1	1192.4	637.1	712.2	803.7	1091.2	1365.6	1421.1	1290.5	1283.9
545.6	82.5°	526.0	483.5	405.1	473.7	519.4	780.8	1032.4	1104.2	960.5	957.2
245.0	85°	205.8	196.0	225.4	258.1	310.4	480.2	679.5	715.5	591.3	477.0
71.9	87.5°	42.5	45.7	55.5	58.8	94.7	166.6	245.0	300.6	238.5	202.6
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>
7043.6
7308.2
7693.7
8138.0
8644.4
9222.7
9934.9
10709.1
11130.6
10911.7
10323.6
9725.8
9203.1
8703.2
8164.2
7589.2
7079.5
6961.9
6648.3
6099.4
5217.3
4495.3
4250.3
4051.0
3946.5
3717.8
3453.2
3133.0
2806.3
2486.2
2156.2
1705.4
1270.9
911.5
470.4
186.2
0.0

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