

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: P850395

Luminaire Tested: **GLAN-SB7D-850-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850395  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7D-850-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 45375 lumens  
Efficiency: N/A  
Efficacy: 88.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G5

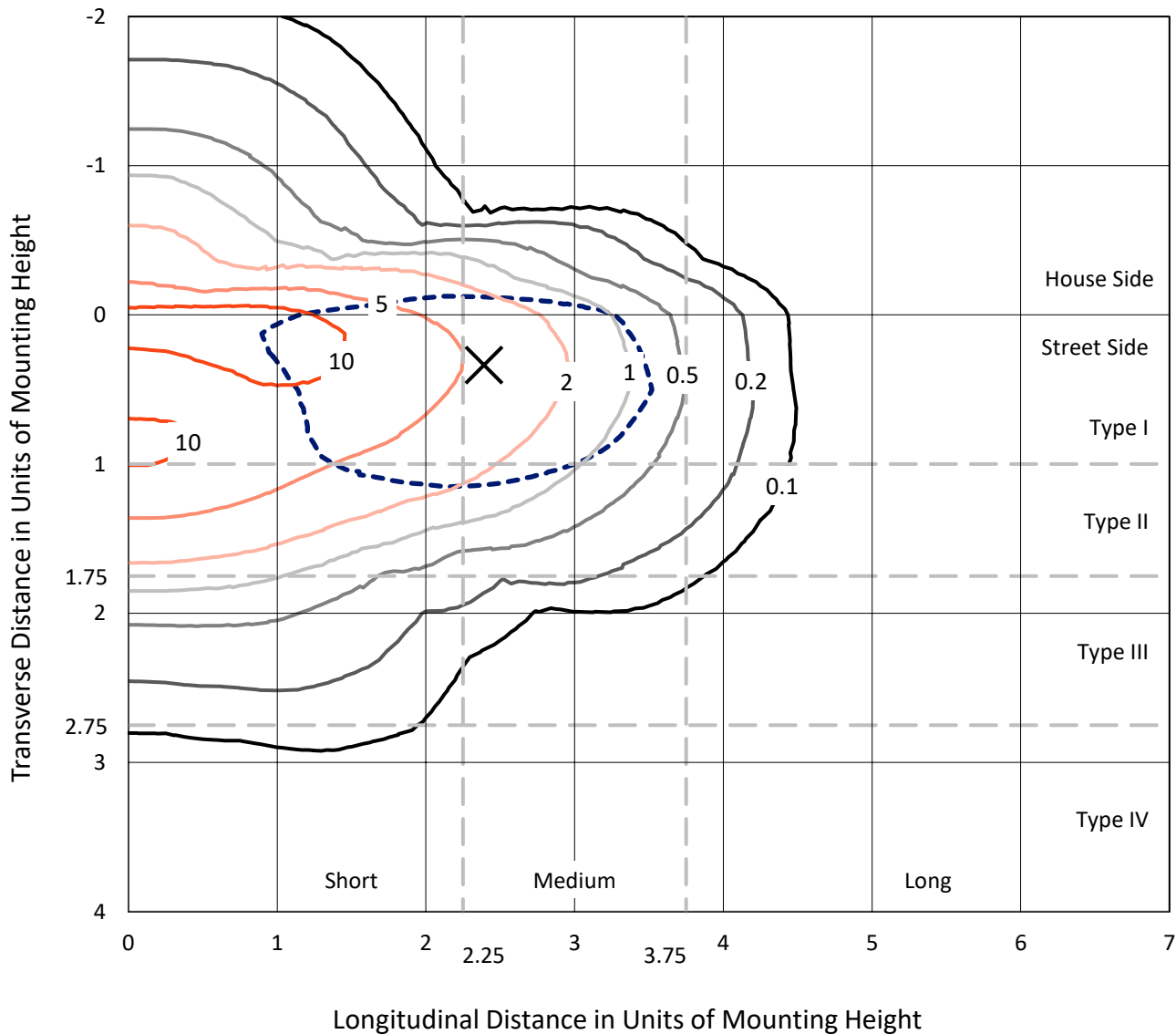
Input Watts (W): 512.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

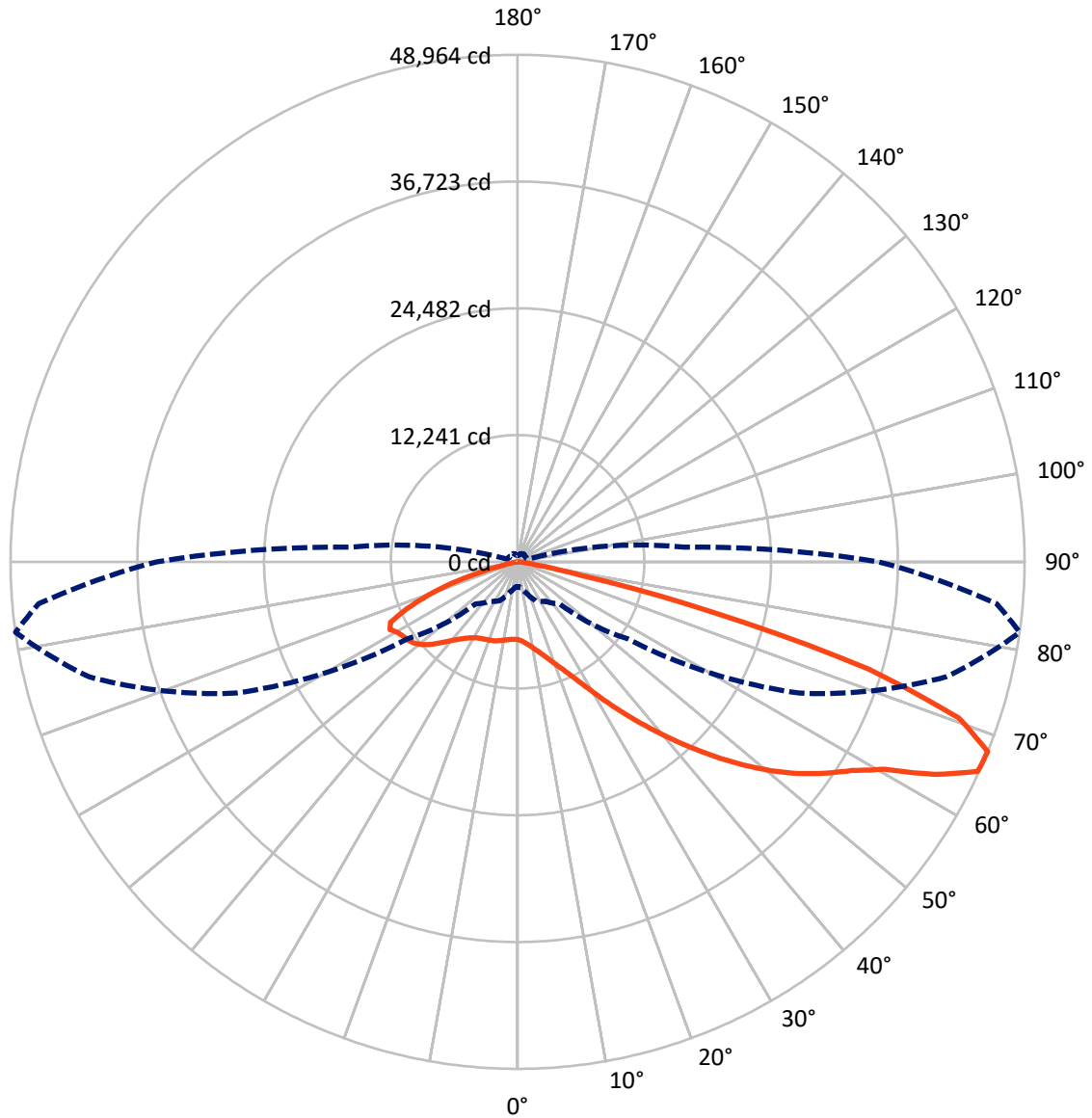
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.9 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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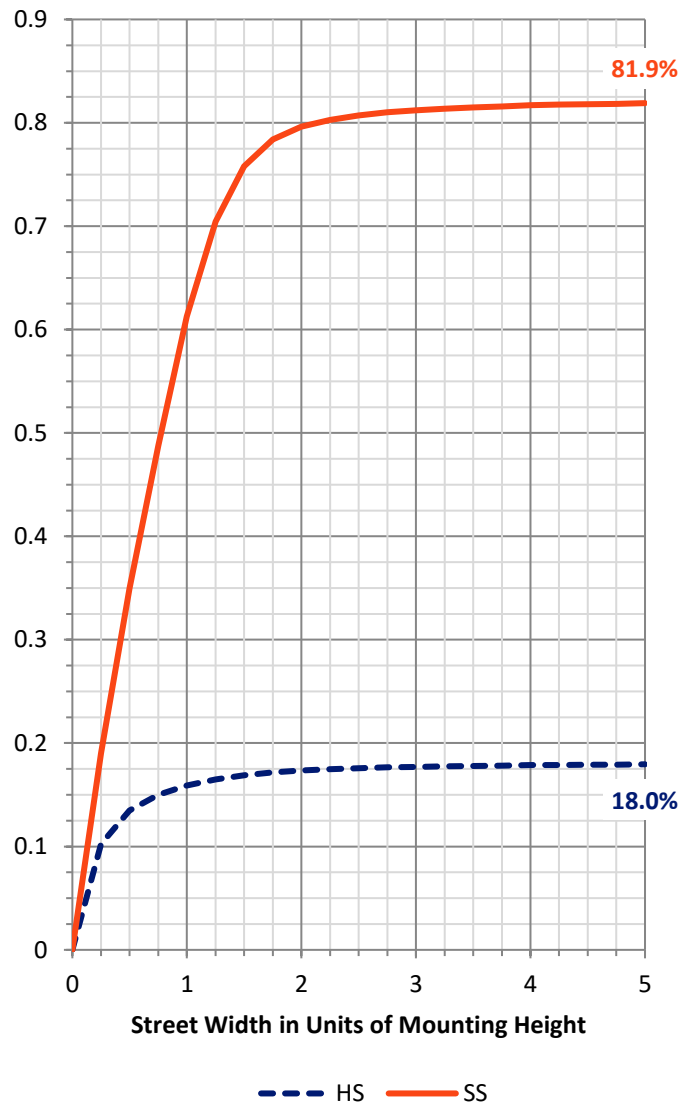
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8219.3	0.0	8219.3
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	37155.7	0.0	37155.7
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	45375.0	0.0	45375.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	669.7	1.5
10°-20°	1740.3	3.8
20°-30°	2787.4	6.1
30°-40°	4929.1	10.9
40°-50°	8636.2	19.0
50°-60°	11518.3	25.4
60°-70°	10722.9	23.6
70°-80°	4115.4	9.1
80°-90°	255.6	0.6
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°	45375.0	100.0
0°-180°	45375.0	100.0

**Coefficient of Utilization**

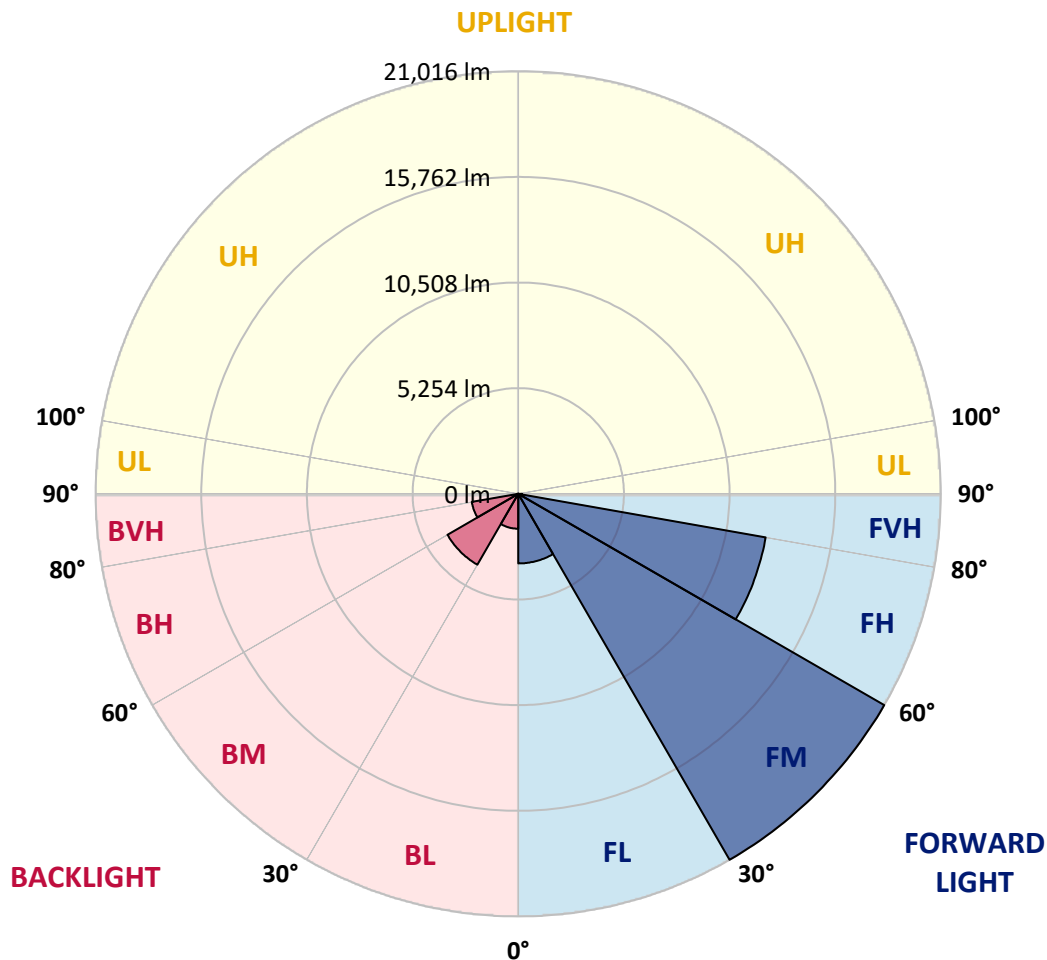


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3461.6	7.6			
FM (30°-60°)	21015.9	46.3			
FH (60°-80°)	12492.4	27.5			G5
FVH (80°-90°)	185.8	0.4			G2/225
BL (0°-30°)	1735.9	3.8	B3/2500		
BM (30°-60°)	4067.7	9.0	B3/5000		
BH (60°-80°)	2345.9	5.2	B3/2500		G3/2500
BVH (80°-90°)	69.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	7517.1	7517.1	7517.1	7517.1	7517.1	7517.1	7517.1	7517.1	7517.1	7517.1
2.5°	7945.1	7990.8	7964.7	7951.6	7928.7	7896.1	7869.9	7788.3	7703.3	7647.8
5°	8105.1	8150.9	8147.6	8160.7	8177.0	8186.8	8180.3	8088.8	7967.9	7873.2
7.5°	7967.9	8020.2	8062.7	8128.0	8242.4	8363.2	8422.0	8402.4	8278.3	8147.6
10°	7579.2	7634.7	7736.0	7889.5	8131.3	8392.6	8611.5	8712.8	8634.4	8490.6
12.5°	6867.0	6922.5	7121.8	7455.0	7860.1	8314.2	8732.4	9003.5	9023.1	8879.4
15°	6066.6	6122.1	6334.5	6752.7	7370.1	8098.6	8797.7	9310.6	9483.8	9359.6
17.5°	5570.0	5619.0	5779.1	6115.6	6759.2	7667.4	8774.9	9637.3	10032.6	9934.6
20°	5419.8	5462.2	5537.4	5772.6	6308.4	7219.8	8624.6	9944.4	10623.9	10568.4
22.5°	5579.8	5619.0	5641.9	5746.5	6082.9	6925.8	8435.1	10258.0	11310.0	11316.5
25°	5949.0	5988.2	5962.1	6027.4	6174.4	6834.3	8363.2	10627.2	12172.4	12244.3
27.5°	6556.6	6559.9	6497.8	6494.6	6517.4	6971.5	8438.4	11022.5	13260.3	13394.2
30°	7775.2	7726.2	7487.7	7229.6	7112.0	7383.2	8647.4	11489.6	14544.2	14782.7
32.5°	9653.6	9581.8	9144.0	8526.6	7905.9	8046.3	9023.1	12022.1	15942.4	16373.6
35°	11692.2	11672.6	11215.2	10297.2	9212.6	8990.5	9634.0	12721.2	17468.0	18154.1
37.5°	13587.0	13577.2	13315.8	12234.5	10914.7	10307.0	10614.1	13636.0	19101.5	20094.6
40°	15318.4	15347.8	15086.5	14119.5	12789.9	11996.0	11947.0	14766.3	20917.9	22208.3
42.5°	16814.7	16847.3	16582.7	15867.3	14642.2	13864.7	13583.7	16151.5	22691.8	24478.8
45°	17830.7	18033.2	17994.0	17422.3	16543.5	15736.6	15550.4	17889.5	24714.0	26886.5
47.5°	18118.1	18304.4	18598.4	18676.8	18141.0	17347.2	17569.3	19983.5	26759.1	29297.4
50°	17409.2	17582.4	18193.3	19006.7	19379.2	19134.1	19532.7	22227.9	28853.1	31701.9
52.5°	16011.0	16187.4	16958.4	18245.6	19764.7	20535.6	21502.6	24439.6	30881.9	33978.9
55°	13988.8	14175.0	15164.9	16621.9	19029.6	21113.9	23145.9	26648.0	32740.7	36027.2
57.5°	11238.1	11375.3	12404.4	14442.9	17180.5	20538.9	24357.9	29058.9	34491.8	38039.6
60°	7324.4	7445.2	8640.9	10914.7	14116.2	18618.0	24599.6	31747.6	36817.8	40656.4
62.5°	4870.9	4952.6	5661.5	7330.9	9941.1	14929.7	23185.1	33893.9	40228.4	45210.4
65°	3342.0	3423.7	4132.6	5295.6	6422.7	9875.8	19117.8	33609.7	43318.9	48826.9
67.5°	2384.8	2453.4	3054.5	4152.2	4648.8	5736.6	12959.7	29976.9	42874.6	48964.1
70°	1708.6	1747.8	2244.3	3234.2	3694.8	3446.6	7206.7	22927.0	37539.8	45213.7
72.5°	1195.7	1208.7	1558.3	2463.2	2976.1	2515.5	3430.2	15285.8	28392.5	35488.2
75°	810.2	826.5	1048.7	1806.6	2388.1	1920.9	1816.4	8196.6	16667.6	19643.8
77.5°	496.6	503.1	676.2	1234.9	1787.0	1463.6	1169.5	3472.7	6448.8	6331.2
80°	281.0	281.0	431.2	767.7	1218.5	944.1	820.0	1476.6	2041.8	1793.5
82.5°	156.8	160.1	313.6	477.0	806.9	558.6	450.8	682.8	882.1	780.8
85°	65.3	71.9	192.7	225.4	385.5	277.7	182.9	287.5	326.7	290.8
87.5°	6.5	9.8	58.8	42.5	45.7	55.5	26.1	55.5	45.7	45.7
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°
7517.1	0°	7517.1	7517.1	7517.1	7517.1	7517.1	7517.1	7517.1	7517.1	7517.1	7517.1
7628.2	2.5°	7566.1	7517.1	7393.0	7249.2	7059.7	6968.3	6844.1	6759.2	6687.3	6693.8
7817.7	5°	7713.1	7589.0	7311.3	6965.0	6533.8	6226.7	5900.0	5674.6	5491.6	5452.4
8079.0	7.5°	7915.7	7719.6	7232.9	6608.9	5880.4	5328.3	4835.0	4518.1	4292.7	4220.8
8395.9	10°	8177.0	7892.8	7131.6	6161.3	5112.7	4410.3	3881.1	3632.8	3479.2	3427.0
8768.3	12.5°	8480.8	8092.1	6997.7	5615.8	4322.1	3645.8	3309.4	3185.2	3136.2	3119.9
9225.7	15°	8863.1	8340.4	6795.1	4968.9	3652.4	3178.7	3034.9	3018.6	3025.1	3018.6
9774.5	17.5°	9317.2	8611.5	6465.2	4302.5	3201.5	2940.2	2887.9	2901.0	2917.3	2914.1
10388.7	20°	9813.7	8879.4	6043.7	3711.2	2894.5	2770.3	2740.9	2754.0	2767.1	2760.5
11097.6	22.5°	10378.9	9166.9	5576.6	3250.6	2688.6	2613.5	2580.8	2584.1	2584.1	2571.0
11996.0	25°	11055.1	9483.8	5086.5	2923.9	2531.8	2473.0	2433.8	2420.8	2401.2	2362.0
13087.1	27.5°	11862.1	9820.3	4616.1	2695.2	2407.7	2352.2	2306.4	2273.8	2224.7	2159.4
14397.2	30°	12770.3	10228.6	4217.5	2551.4	2309.7	2254.2	2201.9	2152.9	2081.0	1999.3
15903.2	32.5°	13838.5	10666.4	3926.8	2456.7	2221.5	2162.7	2100.6	2041.8	1963.4	1881.7
17595.4	35°	15112.6	11195.6	3756.9	2391.4	2152.9	2074.5	2005.9	1940.5	1881.7	1809.9
19434.7	37.5°	16494.5	11757.5	3704.6	2358.7	2107.1	1986.3	1907.9	1862.1	1855.6	1813.1
21424.2	40°	18007.1	12424.0	3743.8	2339.1	2058.1	1901.3	1816.4	1806.6	1822.9	1747.8
23551.0	42.5°	19607.8	13214.5	3809.2	2316.2	1989.5	1816.4	1734.7	1734.7	1721.6	1617.1
25798.6	45°	21339.3	14126.0	3874.5	2260.7	1907.9	1731.4	1669.4	1646.5	1591.0	1489.7
28059.3	47.5°	23083.8	15053.8	3923.5	2159.4	1809.9	1659.6	1604.0	1551.8	1470.1	1378.6
30277.5	50°	24740.1	15886.9	3871.3	2009.1	1698.8	1591.0	1532.2	1460.3	1372.1	1310.0
32378.1	52.5°	26220.0	16608.8	3649.1	1832.7	1581.2	1519.1	1466.8	1391.7	1319.8	1254.5
34272.9	55°	27507.2	17193.6	3257.1	1666.1	1476.6	1457.0	1404.8	1310.0	1212.0	1156.5
36151.3	57.5°	28742.1	17637.9	2767.1	1528.9	1381.9	1388.4	1310.0	1225.1	1133.6	1074.8
38683.2	60°	30385.3	18232.5	2270.5	1401.5	1280.6	1300.2	1215.3	1153.2	1038.9	963.7
43024.9	62.5°	33011.9	19157.0	1803.3	1244.7	1163.0	1169.5	1133.6	1058.5	921.3	833.1
46242.8	65°	35096.1	18817.3	1421.1	1074.8	1029.1	1038.9	1038.9	957.2	810.2	708.9
46415.9	67.5°	34860.9	16112.3	1133.6	908.2	901.7	908.2	931.1	862.5	718.7	637.0
42881.1	70°	32113.5	12816.0	908.2	754.7	784.1	767.7	833.1	787.3	646.8	565.2
33243.8	72.5°	26203.7	9232.2	692.6	624.0	601.1	627.2	751.4	708.9	539.0	447.6
17608.5	75°	15311.9	4926.5	516.2	493.3	434.5	522.7	666.4	604.4	411.6	330.0
5396.9	77.5°	4985.3	1718.4	379.0	362.6	323.4	421.4	568.4	509.6	336.5	261.4
1581.2	80°	1336.2	519.4	258.1	238.5	209.1	313.6	450.8	405.1	241.7	169.9
679.5	82.5°	535.8	218.9	150.3	133.9	114.3	215.6	356.1	326.7	179.7	107.8
212.3	85°	173.1	71.9	55.5	42.5	52.3	133.9	212.3	222.1	127.4	55.5
32.7	87.5°	22.9	9.8	9.8	13.1	9.8	22.9	65.3	62.1	35.9	6.5
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



180°
7517.1
6628.5
5364.2
4148.9
3387.8
3110.1
3015.3
2907.5
2757.3
2564.5
2355.4
2152.9
1992.8
1885.0
1803.3
1809.9
1751.1
1617.1
1486.4
1375.4
1300.2
1247.9
1149.9
1068.3
953.9
826.5
699.1
624.0
555.4
437.8
320.2
251.6
166.6
107.8
42.5
0.0
0.0

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