

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: P851743

Luminaire Tested: **GLAN-SB9D-840-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851743  
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-SB9D-840-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 4000K, 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: 81707 lumens  
Efficiency: N/A  
Efficacy: 124.2 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

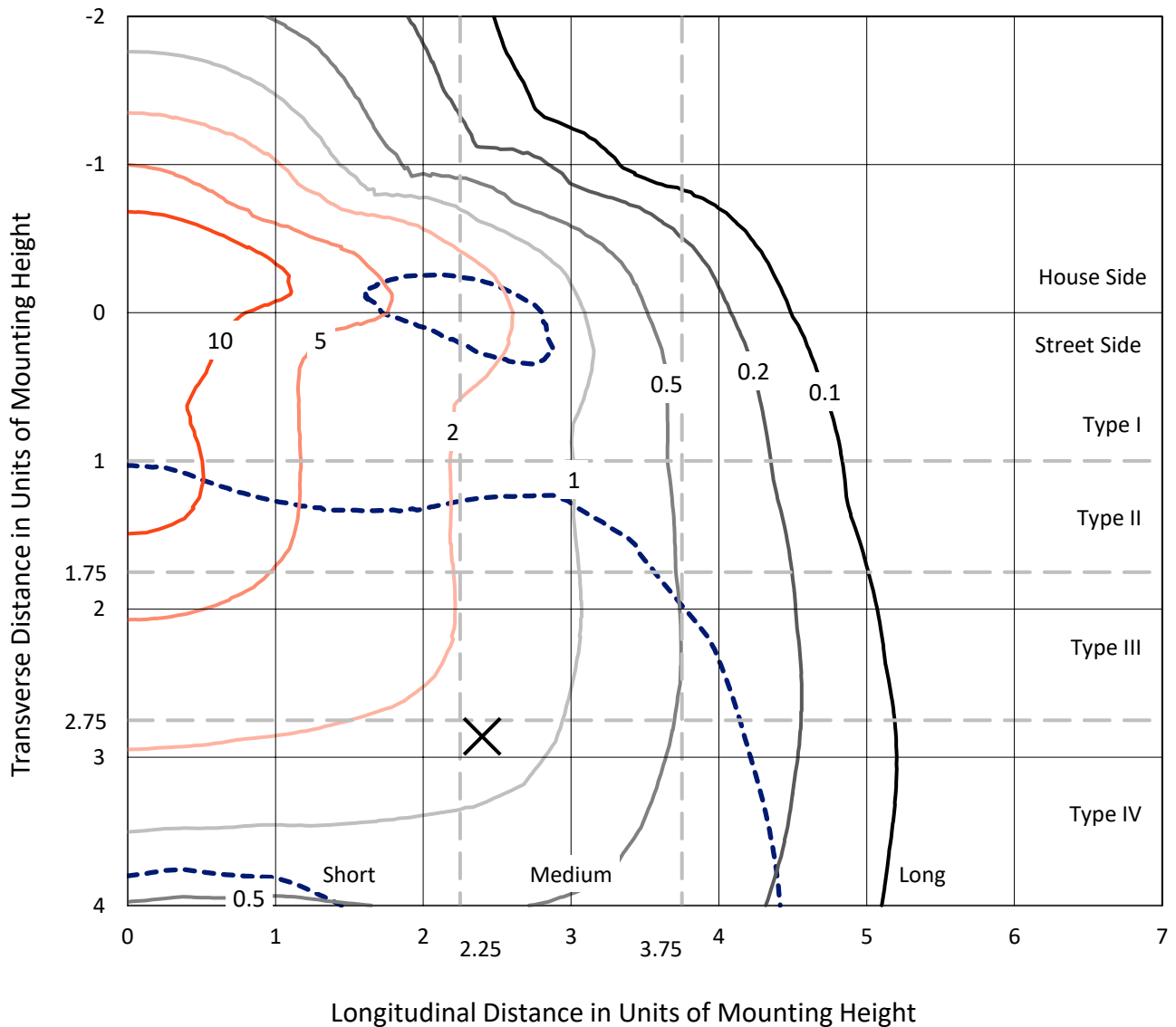
Input Watts (W): 658  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

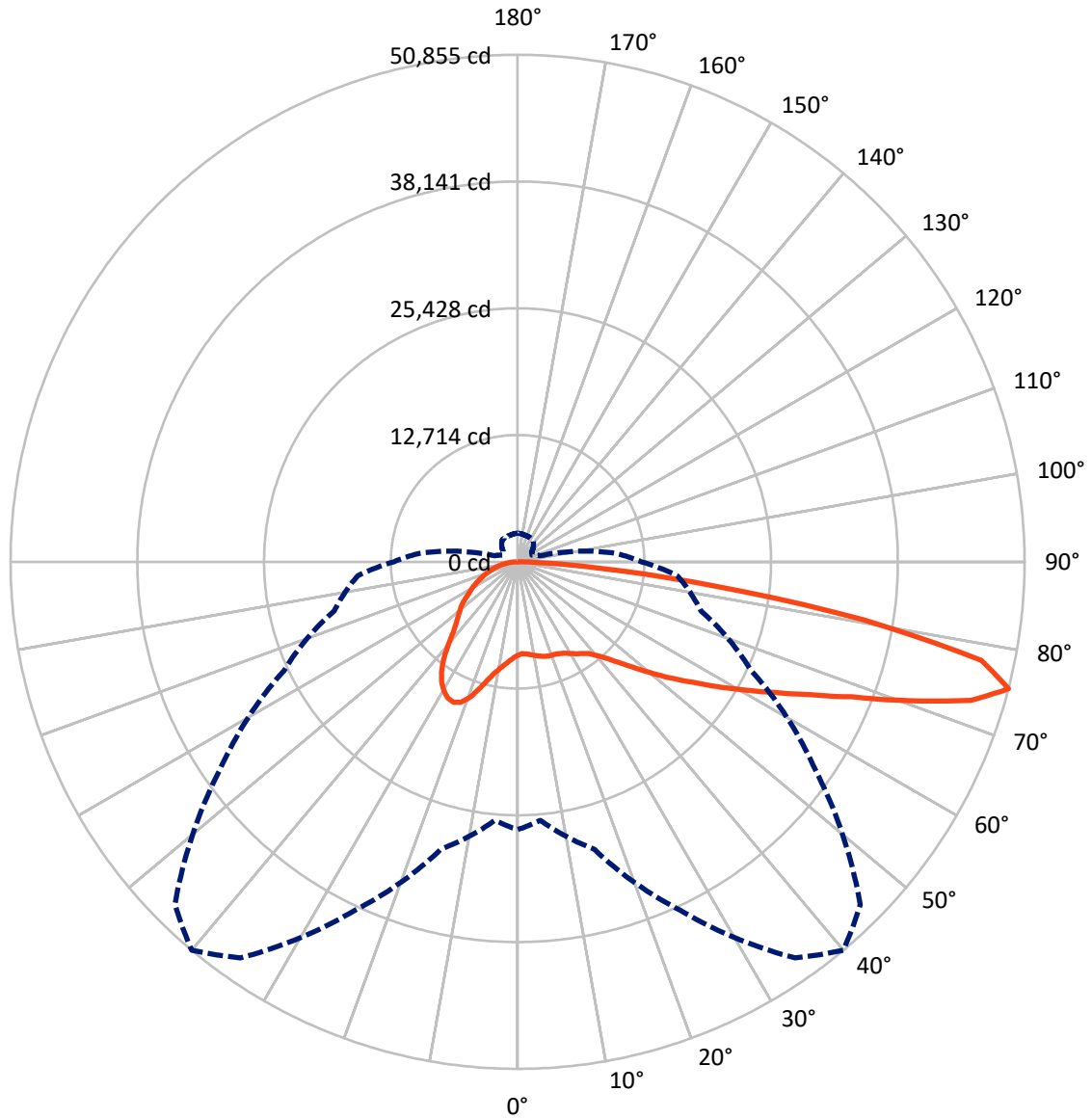
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.3 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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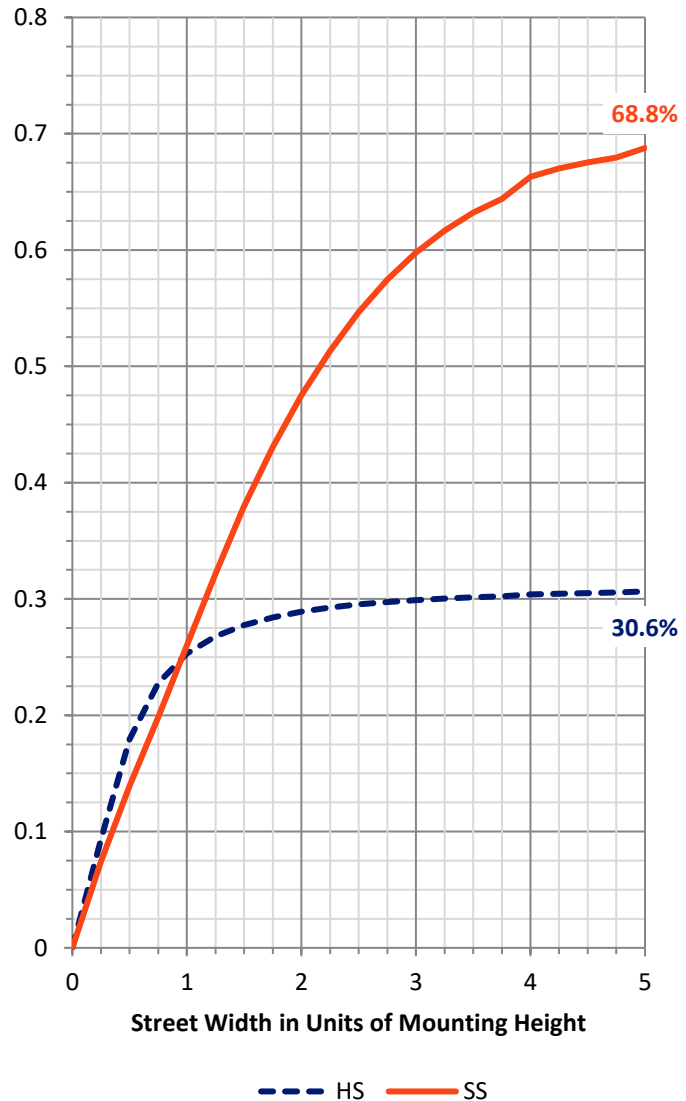
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	25315.6	0.0	25315.6
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	56391.5	0.0	56391.5
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	81707.0	0.0	81707.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	932.7	1.1
10°-20°	3131.3	3.8
20°-30°	5717.5	7.0
30°-40°	8109.0	9.9
40°-50°	10949.6	13.4
50°-60°	14730.1	18.0
60°-70°	18695.9	22.9
70°-80°	16967.7	20.8
80°-90°	2473.4	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°	81707.0	100.0
0°-180°	81707.0	100.0

**Coefficient of Utilization**

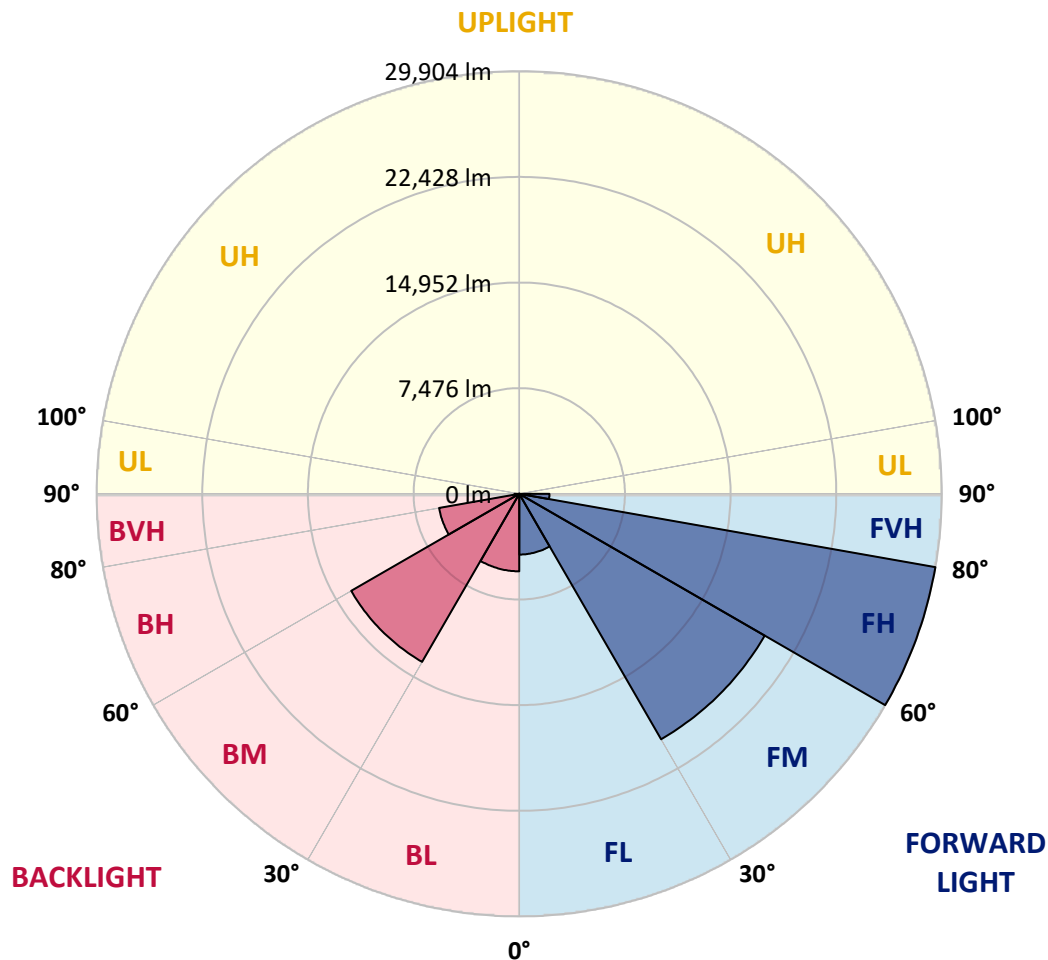


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4297.9	5.3			
FM (30°-60°)	20057.2	24.5			
FH (60°-80°)	29903.5	36.6			G5
FVH (80°-90°)	2132.8	2.6			G5
BL (0°-30°)	5483.6	6.7	B5		
BM (30°-60°)	13731.4	16.8	B5		
BH (60°-80°)	5760.0	7.0	B5		G5
BVH (80°-90°)	340.5	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°	9343.3	9343.3	9343.3	9343.3	9343.3	9343.3	9343.3	9343.3	9343.3	9343.3
2.5°	9200.3	9252.3	9239.3	9222.0	9222.0	9226.3	9222.0	9252.3	9282.6	9313.0
5°	9295.6	9347.6	9321.6	9300.0	9282.6	9278.3	9265.3	9261.0	9278.3	9317.3
7.5°	9482.0	9534.0	9495.0	9456.0	9421.3	9404.0	9386.6	9360.6	9347.6	9369.3
10°	9690.0	9742.0	9694.3	9625.0	9568.7	9547.0	9529.7	9503.6	9486.3	9499.3
12.5°	9898.0	9950.0	9885.0	9789.7	9716.0	9703.0	9681.3	9672.7	9668.3	9664.0
15°	10093.0	10136.4	10054.0	9941.3	9863.3	9841.7	9820.0	9833.0	9854.7	9880.7
17.5°	10244.7	10288.0	10166.7	10019.4	9945.7	9937.0	9924.0	9967.3	10028.0	10093.0
20°	10383.4	10426.7	10270.7	10071.4	9984.7	9984.7	9989.0	10080.0	10166.7	10262.0
22.5°	10578.4	10613.1	10422.4	10149.4	10023.7	10032.4	10067.0	10158.0	10266.4	10396.4
25°	10868.7	10894.7	10660.7	10296.7	10153.7	10179.7	10210.0	10253.4	10357.4	10509.1
27.5°	11336.8	11358.4	11050.8	10556.7	10340.0	10383.4	10426.7	10396.4	10444.0	10574.1
30°	11995.5	12008.5	11618.5	10964.1	10656.4	10678.1	10686.7	10561.1	10470.0	10574.1
32.5°	12775.5	12771.2	12307.5	11458.1	11016.1	10994.4	10920.7	10673.7	10461.4	10552.4
35°	13984.6	13937.0	13338.9	12151.5	11423.4	11289.1	11115.8	10799.4	10504.7	10530.7
37.5°	15986.8	15839.4	15011.7	13286.9	12030.2	11687.8	11432.1	11003.1	10600.1	10522.1
40°	18244.6	18058.2	17148.2	14842.7	12940.2	12389.8	11978.2	11293.4	10756.1	10561.1
42.5°	20922.8	20658.4	19679.0	16675.8	14093.0	13295.6	12675.9	11661.8	10985.7	10686.7
45°	24212.0	23861.0	22474.2	18742.9	15544.7	14483.0	13655.3	12220.8	11336.8	10929.4
47.5°	27535.9	27622.6	25650.8	21109.1	17286.8	15947.8	14881.7	13061.6	11848.1	11319.4
50°	31067.8	31128.5	28810.0	23731.0	19263.0	17603.2	16259.8	14002.0	12558.9	11874.1
52.5°	33824.0	33832.6	31678.8	26474.1	21321.5	19423.3	17746.2	15076.7	13382.2	12610.9
55°	35548.8	35527.1	33689.6	29070.0	23687.6	21334.5	19393.0	16298.8	14387.6	13477.6
57.5°	36801.2	36736.2	35076.4	31301.8	26209.8	23592.3	21256.5	17685.5	15575.1	14509.0
60°	37277.9	37238.9	36016.8	33230.3	28862.0	26088.4	23405.9	19237.0	16922.8	15726.7
62.5°	37459.9	37533.6	36939.9	35098.1	31700.5	28853.3	25767.8	21091.8	18439.6	17104.8
65°	38101.3	38235.6	38114.3	37542.2	34907.4	32090.5	28901.0	23297.6	20095.0	18582.6
67.5°	39371.0	39505.4	39557.4	40467.4	38825.0	36125.1	32809.9	26045.1	22032.2	20116.7
70°	39340.7	39301.7	40220.4	42794.6	43730.7	41711.2	38079.6	29425.3	24342.0	21390.8
72.5°	35808.8	35496.8	37667.9	42768.6	47812.9	47544.2	44515.0	33785.0	26335.5	21546.8
75°	26864.2	26032.1	29867.4	38543.3	48493.3	50855.1	48606.0	36489.2	25863.1	19037.6
77.5°	11488.5	10652.1	15172.0	28532.6	43401.3	47539.9	44853.1	31834.8	20645.4	12589.2
80°	3007.5	3003.2	4585.0	12935.9	29516.3	35106.7	30799.1	20558.7	11796.1	4498.3
82.5°	1243.8	1213.4	1685.8	5031.3	14422.3	19700.7	16077.8	9170.0	4260.0	1217.7
85°	463.7	459.4	819.1	1737.8	5087.7	8125.6	5880.7	2344.5	1061.7	593.7
87.5°	130.0	125.7	177.7	602.4	1239.4	1880.8	1005.4	385.7	299.0	234.0
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°
9343.3	0°	9343.3	9343.3	9343.3	9343.3	9343.3	9343.3	9343.3	9343.3	9343.3	9343.3
9360.6	2.5°	9373.6	9395.3	9434.3	9464.6	9503.6	9547.0	9607.7	9646.7	9685.7	9711.7
9382.3	5°	9412.6	9460.3	9560.0	9659.7	9776.7	9885.0	10010.7	10101.7	10175.4	10197.0
9460.3	7.5°	9499.3	9577.3	9746.3	9915.3	10101.7	10279.4	10461.4	10617.4	10743.1	10790.7
9599.0	10°	9651.0	9755.0	9993.3	10231.7	10478.7	10751.7	10985.7	11211.1	11388.8	11462.4
9763.7	12.5°	9841.7	9971.7	10283.7	10613.1	10955.4	11332.4	11635.8	11913.1	12134.2	12233.8
9993.3	15°	10088.7	10257.7	10656.4	11098.4	11601.1	12125.5	12511.2	12818.9	13065.9	13187.2
10231.7	17.5°	10357.4	10582.7	11085.4	11752.8	12472.2	13161.2	13611.9	13837.3	14093.0	14210.0
10452.7	20°	10617.4	10894.7	11614.1	12584.9	13542.6	14275.0	14639.0	14699.7	14717.0	14730.0
10660.7	22.5°	10886.1	11258.8	12277.2	13633.6	14660.7	15167.7	15219.7	14959.7	14595.7	14426.7
10864.4	25°	11180.8	11674.8	13143.9	14790.7	15622.7	15683.4	15284.7	14652.0	13963.0	13646.6
11029.1	27.5°	11466.8	12155.8	14184.0	15895.8	16316.1	15783.1	14925.0	14028.0	13195.9	12862.2
11146.1	30°	11752.8	12706.2	15332.4	16862.2	16632.5	15536.1	14357.3	13356.2	12519.9	12168.8
11250.1	32.5°	12043.2	13347.6	16654.1	17559.9	16576.1	15011.7	13650.9	12602.2	11865.5	11497.1
11341.1	35°	12372.5	14136.3	17906.6	17941.2	16199.1	14240.3	12719.2	11700.8	11059.4	10764.7
11449.4	37.5°	12801.5	15137.4	19011.6	18036.6	15540.4	13109.2	11562.1	10634.7	10106.0	9971.7
11609.8	40°	13334.6	16342.1	19856.7	17884.9	14565.3	11735.5	10296.7	9555.7	9256.6	9287.0
11826.5	42.5°	14028.0	17689.9	20450.4	17494.9	13208.9	10318.4	9187.3	8857.9	9000.9	9122.3
12151.5	45°	14929.4	19089.6	20818.8	16831.8	11674.8	9118.0	8532.9	8610.9	8719.3	8732.3
12675.9	47.5°	16082.1	20506.7	21061.4	15830.7	10110.4	8272.9	8116.9	8134.2	8112.6	8021.5
13460.3	50°	17520.9	21884.8	21278.1	14504.7	8779.9	7744.2	7536.2	7475.5	7176.5	6881.8
14504.7	52.5°	19159.0	23150.2	21369.1	12857.9	7744.2	7302.2	6964.1	6582.8	6023.7	5932.7
15817.7	55°	20979.1	24320.3	21135.1	10834.1	6873.1	6734.5	6223.1	5763.7	5703.1	5625.1
17546.9	57.5°	23154.6	25581.4	20658.4	8576.3	5980.4	6071.4	5573.0	5625.1	5516.7	5395.4
19770.0	60°	25533.7	26885.8	19822.0	6517.8	5057.3	5243.7	5404.0	5399.7	5369.4	5269.7
22114.5	62.5°	27674.6	27743.9	18175.2	4992.3	4247.0	4602.3	5040.0	5035.7	5009.7	4953.3
24563.0	65°	28948.6	27613.9	15427.7	3930.6	3579.6	4073.6	4546.0	4580.6	4585.0	4580.6
26404.8	67.5°	28723.3	26092.8	11657.5	3128.9	3029.2	3536.2	4056.3	4103.9	4138.6	4147.3
26638.8	70°	26175.1	22751.6	7601.2	2496.2	2539.5	3063.9	3592.6	3640.2	3670.6	3705.3
23115.6	72.5°	20402.7	16727.8	4351.0	2019.5	2110.5	2656.5	3133.2	3189.6	3206.9	3271.9
16086.4	75°	12433.2	9837.3	2348.8	1590.4	1733.5	2270.8	2678.2	2743.2	2773.5	2851.5
7900.2	77.5°	5911.1	4260.0	1339.1	1239.4	1395.4	1854.8	2262.2	2335.8	2253.5	2296.8
2179.8	80°	1997.8	1581.8	845.1	944.7	1066.1	1447.4	1811.5	1885.1	1711.8	1703.1
723.7	82.5°	697.7	641.4	537.4	628.4	689.0	1035.7	1369.4	1464.8	1274.1	1269.8
325.0	85°	273.0	260.0	299.0	342.4	411.7	637.0	901.4	949.1	784.4	632.7
95.3	87.5°	56.3	60.7	73.7	78.0	125.7	221.0	325.0	398.7	316.4	268.7
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>
9343.3
9694.3
10205.7
10795.1
11466.8
12233.8
13178.6
14205.6
14764.7
14474.3
13694.3
12901.2
12207.8
11544.8
10829.7
10067.0
9391.0
9235.0
8818.9
8090.9
6920.8
5963.1
5638.1
5373.7
5235.0
4931.7
4580.6
4156.0
3722.6
3297.9
2860.2
2262.2
1685.8
1209.1
624.0
247.0
0.0

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