

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: P851663

Luminaire Tested: **GLAN-SB9D-730-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851663  
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-730-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 3000K, 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: 88751 lumens  
Efficiency: N/A  
Efficacy: 134.9 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

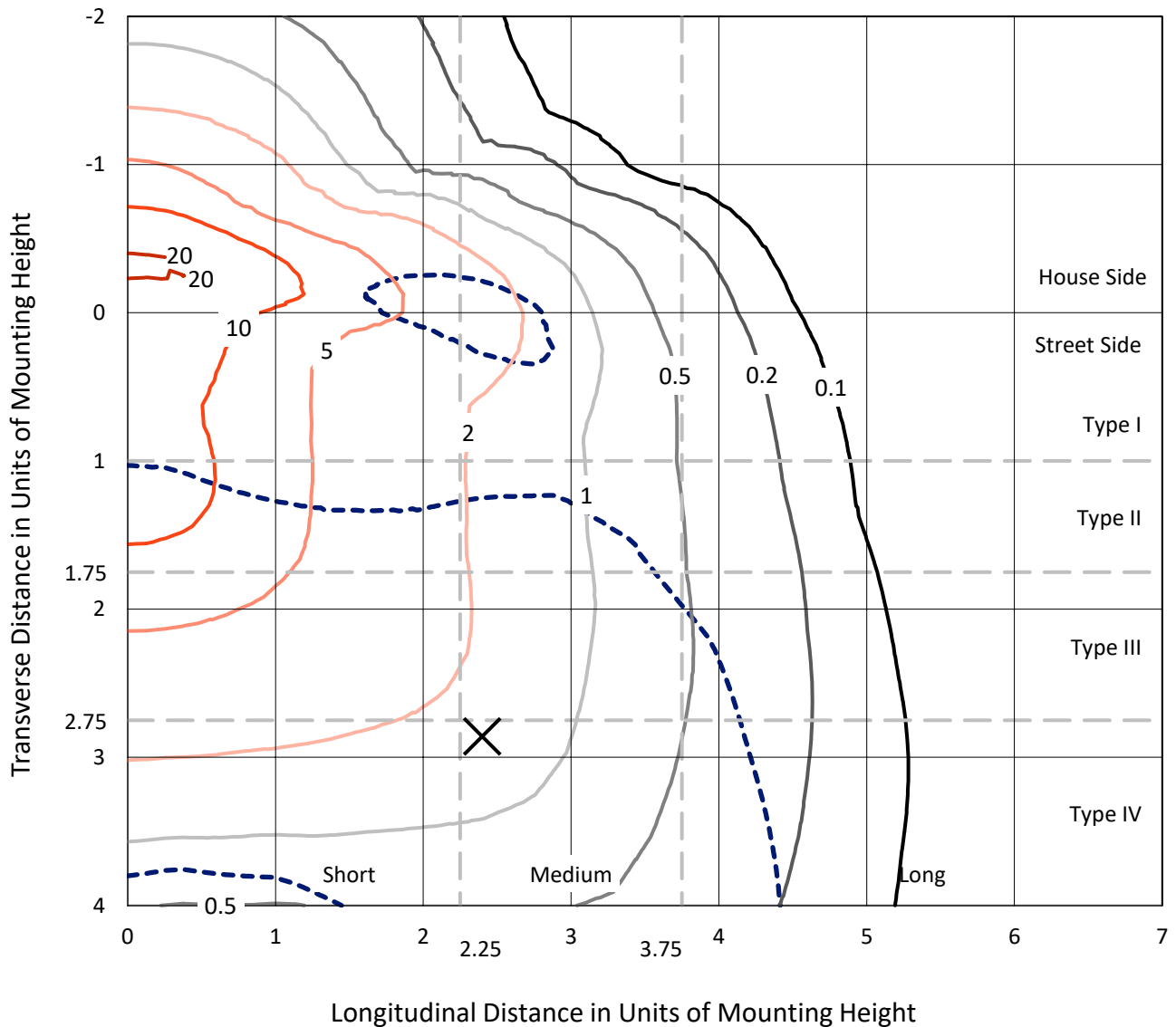
Input Watts (W): 658  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

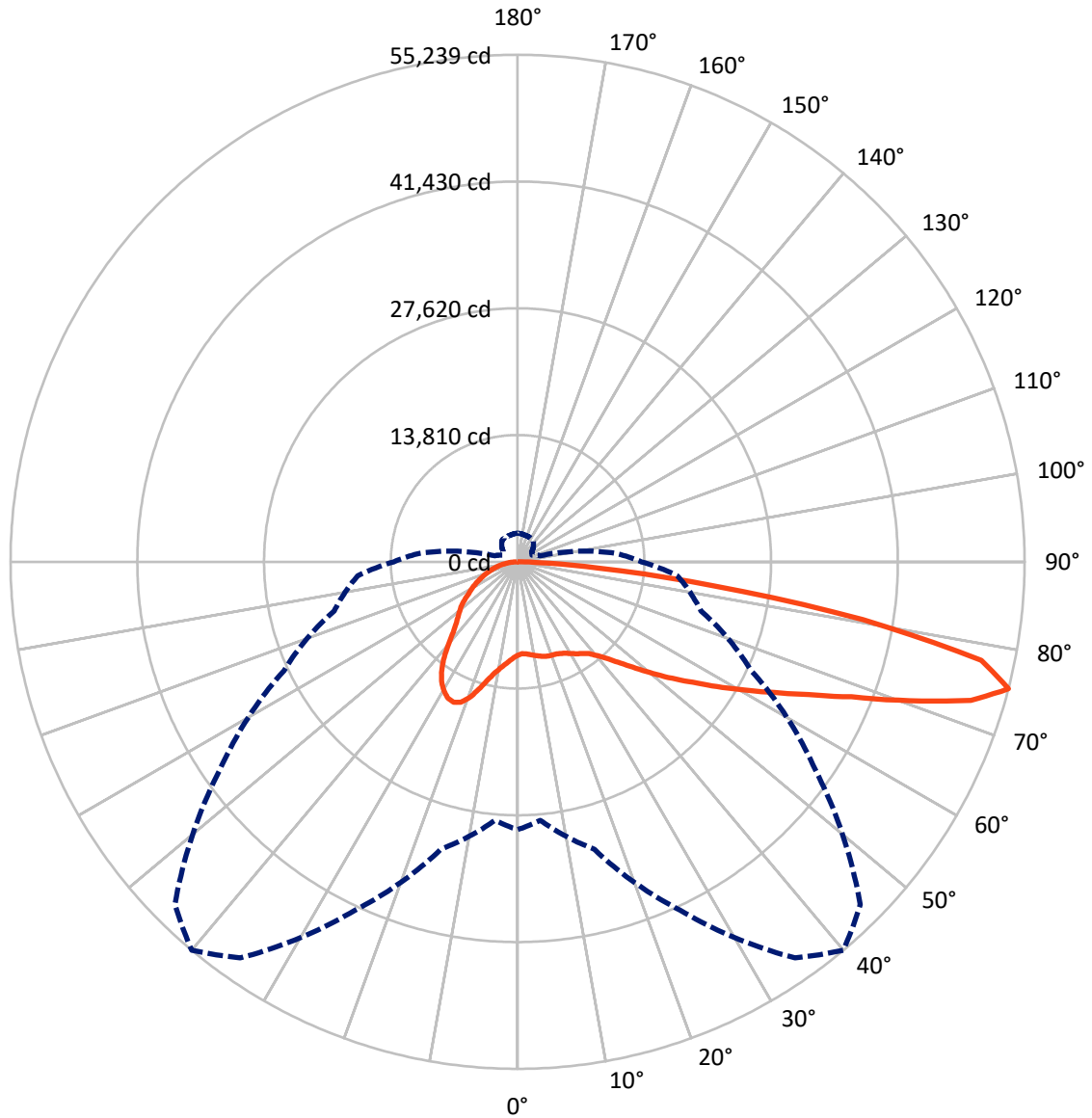
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21 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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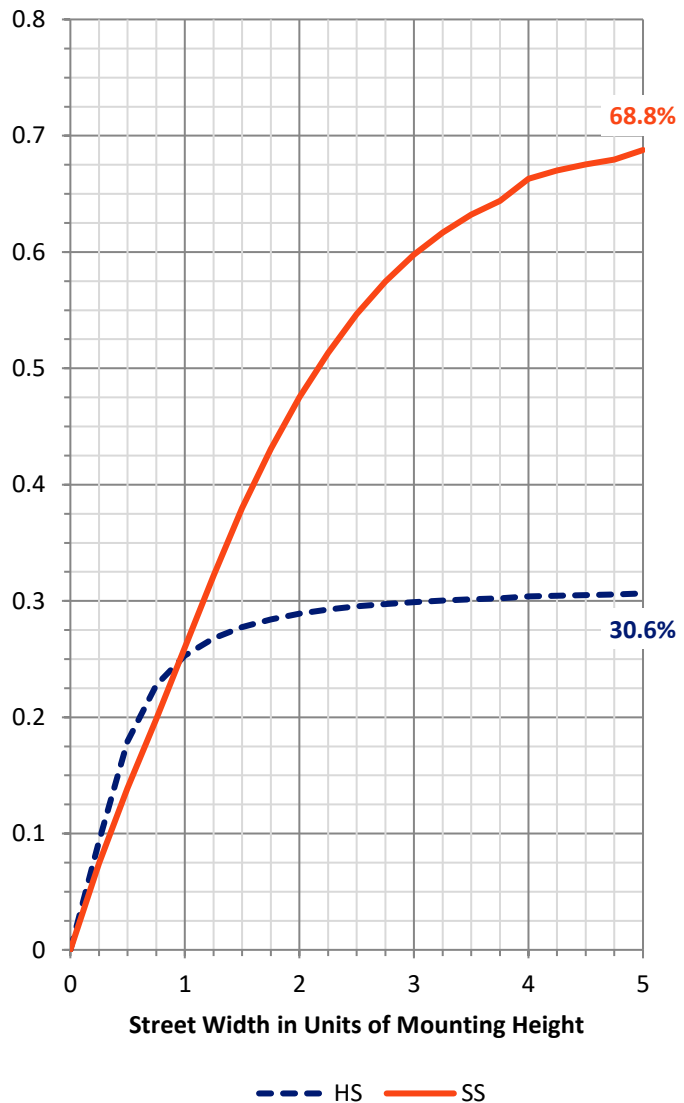
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	27498.0	0.0	27498.0
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	61253.0	0.0	61253.0
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	88751.0	0.0	88751.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1013.1	1.1
10°-20°	3401.3	3.8
20°-30°	6210.4	7.0
30°-40°	8808.1	9.9
40°-50°	11893.5	13.4
50°-60°	16000.0	18.0
60°-70°	20307.7	22.9
70°-80°	18430.5	20.8
80°-90°	2686.6	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°	88751.0	100.0
0°-180°	88751.0	100.0

**Coefficient of Utilization**

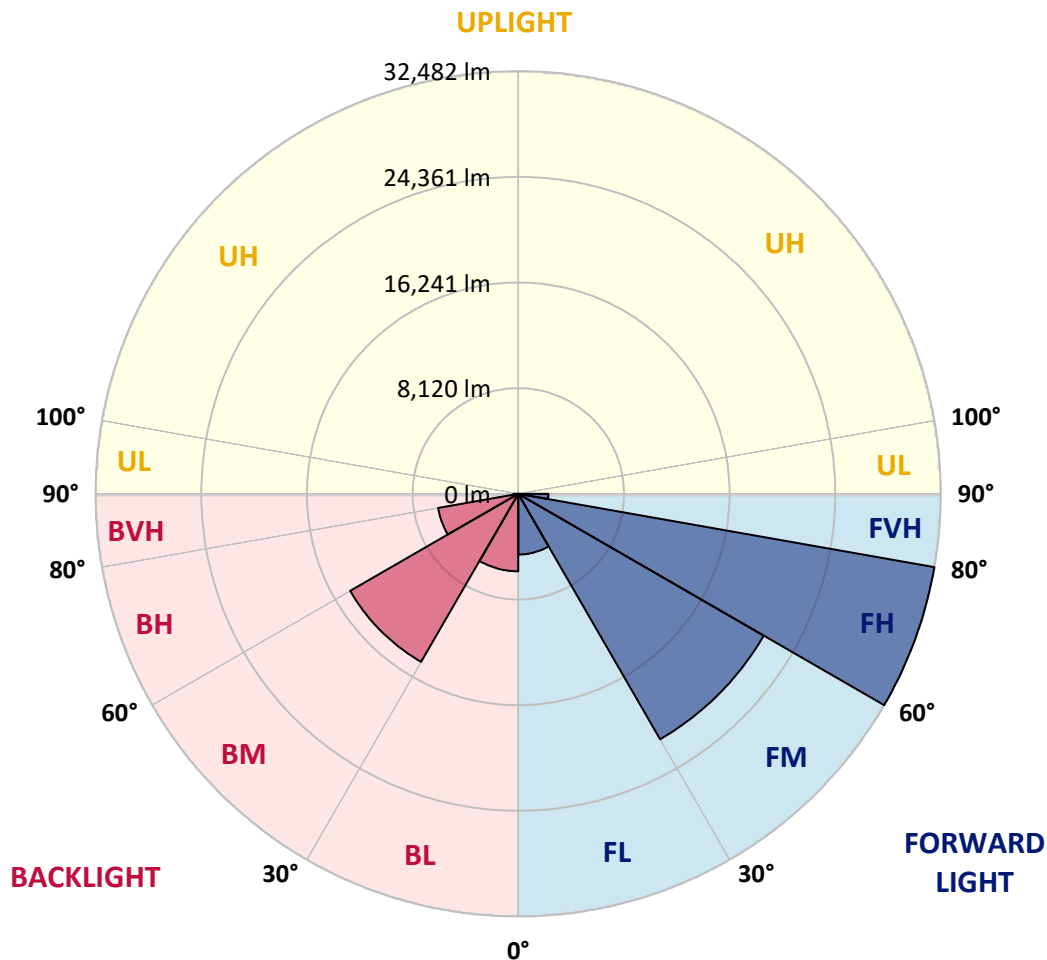


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4668.4	5.3			
FM (30°-60°)	21786.4	24.5			
FH (60°-80°)	32481.5	36.6			G5
FVH (80°-90°)	2316.7	2.6			G5
BL (0°-30°)	5956.3	6.7	B5		
BM (30°-60°)	14915.2	16.8	B5		
BH (60°-80°)	6256.6	7.0	B5		G5
BVH (80°-90°)	369.9	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°	10148.8	10148.8	10148.8	10148.8	10148.8	10148.8	10148.8	10148.8	10148.8	10148.8
2.5°	9993.5	10049.9	10035.8	10017.0	10017.0	10021.7	10017.0	10049.9	10082.9	10115.8
5°	10097.0	10153.5	10125.3	10101.7	10082.9	10078.2	10064.1	10059.4	10078.2	10120.6
7.5°	10299.4	10355.9	10313.5	10271.2	10233.5	10214.7	10195.9	10167.6	10153.5	10177.0
10°	10525.4	10581.9	10530.1	10454.8	10393.6	10370.0	10351.2	10323.0	10304.1	10318.3
12.5°	10751.3	10807.8	10737.2	10633.6	10553.6	10539.5	10516.0	10506.5	10501.8	10497.1
15°	10963.1	11010.2	10920.8	10798.4	10713.7	10690.1	10666.6	10680.7	10704.2	10732.5
17.5°	11127.9	11175.0	11043.2	10883.1	10803.1	10793.7	10779.6	10826.6	10892.5	10963.1
20°	11278.5	11325.6	11156.1	10939.6	10845.5	10845.5	10850.2	10949.0	11043.2	11146.7
22.5°	11490.4	11528.0	11320.9	11024.3	10887.8	10897.2	10934.9	11033.8	11151.4	11292.7
25°	11805.7	11834.0	11579.8	11184.4	11029.0	11057.3	11090.2	11137.3	11250.3	11415.0
27.5°	12314.1	12337.7	12003.4	11466.8	11231.5	11278.5	11325.6	11292.7	11344.4	11485.6
30°	13029.6	13043.7	12620.1	11909.3	11575.1	11598.6	11608.0	11471.5	11372.7	11485.6
32.5°	13876.9	13872.2	13368.5	12445.9	11965.8	11942.3	11862.2	11593.9	11363.3	11462.1
35°	15190.2	15138.5	14488.9	13199.1	12408.3	12262.3	12074.1	11730.4	11410.3	11438.6
37.5°	17365.0	17204.9	16305.9	14432.4	13067.3	12695.4	12417.7	11951.7	11513.9	11429.2
40°	19817.5	19615.0	18626.5	16122.3	14055.8	13458.0	13010.8	12267.1	11683.4	11471.5
42.5°	22726.5	22439.4	21375.5	18113.4	15307.9	14441.8	13768.7	12667.2	11932.8	11608.0
45°	26299.3	25918.0	24411.7	20358.8	16884.8	15731.6	14832.5	13274.4	12314.1	11871.6
47.5°	29909.8	30003.9	27862.1	22928.9	18777.2	17322.6	16164.6	14187.6	12869.6	12295.3
50°	33746.2	33812.1	31293.7	25776.8	20923.7	19120.8	17661.5	15209.1	13641.6	12897.8
52.5°	36740.0	36749.4	34409.9	28756.5	23159.6	21097.8	19276.1	16376.5	14535.9	13698.0
55°	38613.4	38589.9	36594.0	31576.1	25729.7	23173.7	21064.9	17703.9	15628.0	14639.5
57.5°	39973.8	39903.2	38100.3	34000.3	28469.3	25626.2	23089.0	19210.2	16917.8	15759.8
60°	40491.6	40449.3	39121.8	36095.1	31350.2	28337.5	25423.8	20895.4	18381.7	17082.5
62.5°	40689.3	40769.3	40124.5	38123.9	34433.4	31340.8	27989.2	22910.1	20029.3	18579.5
65°	41386.0	41531.9	41400.1	40778.8	37916.8	34857.1	31392.5	25306.1	21827.4	20184.6
67.5°	42765.2	42911.1	42967.6	43956.1	42172.1	39239.5	35638.5	28290.5	23931.6	21851.0
70°	42732.3	42689.9	43687.8	46483.9	47500.7	45307.1	41362.5	31962.1	26440.5	23234.9
72.5°	38895.9	38556.9	40915.3	46455.7	51934.9	51643.1	48352.7	36697.6	28605.9	23404.4
75°	29180.1	28276.4	32442.3	41866.1	52673.9	55239.4	52796.3	39634.9	28092.8	20678.9
77.5°	12478.9	11570.4	16480.0	30992.4	47142.9	51638.3	48719.9	34579.3	22425.3	13674.5
80°	3266.8	3262.1	4980.3	14051.1	32061.0	38133.3	33454.3	22331.1	12813.1	4886.1
82.5°	1351.0	1318.0	1831.1	5465.1	15665.7	21399.1	17463.8	9960.5	4627.2	1322.7
85°	503.7	499.0	889.7	1887.6	5526.3	8826.1	6387.7	2546.6	1153.3	644.9
87.5°	141.2	136.5	193.0	654.3	1346.3	2042.9	1092.1	418.9	324.8	254.2
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°
10148.8	0°	10148.8	10148.8	10148.8	10148.8	10148.8	10148.8	10148.8	10148.8	10148.8	10148.8
10167.6	2.5°	10181.7	10205.3	10247.6	10280.6	10323.0	10370.0	10435.9	10478.3	10520.7	10548.9
10191.2	5°	10224.1	10275.9	10384.2	10492.4	10619.5	10737.2	10873.7	10972.6	11052.6	11076.1
10275.9	7.5°	10318.3	10403.0	10586.6	10770.1	10972.6	11165.6	11363.3	11532.7	11669.2	11721.0
10426.5	10°	10483.0	10596.0	10854.9	11113.8	11382.1	11678.6	11932.8	12177.6	12370.6	12450.6
10605.4	12.5°	10690.1	10831.3	11170.3	11528.0	11899.9	12309.4	12638.9	12940.2	13180.3	13288.5
10854.9	15°	10958.4	11142.0	11575.1	12055.2	12601.3	13170.8	13589.8	13924.0	14192.3	14324.1
11113.8	17.5°	11250.3	11495.1	12041.1	12766.0	13547.4	14295.9	14785.4	15030.2	15307.9	15435.0
11353.8	20°	11532.7	11834.0	12615.4	13669.8	14710.1	15505.6	15901.0	15966.9	15985.8	15999.9
11579.8	22.5°	11824.6	12229.4	13335.6	14809.0	15924.6	16475.3	16531.8	16249.4	15854.0	15670.4
11801.0	25°	12144.7	12681.3	14277.0	16065.8	16969.6	17035.5	16602.4	15915.2	15166.7	14823.1
11979.9	27.5°	12455.3	13203.8	15406.8	17266.1	17722.7	17143.7	16211.7	15237.3	14333.5	13971.1
12107.0	30°	12766.0	13801.6	16654.2	18315.8	18066.4	16875.4	15595.1	14507.7	13599.2	13217.9
12220.0	32.5°	13081.4	14498.3	18089.9	19073.7	18005.2	16305.9	14827.8	13688.6	12888.4	12488.3
12318.8	35°	13439.2	15355.0	19450.3	19487.9	17595.6	15468.0	13815.7	12709.5	12012.9	11692.8
12436.5	37.5°	13905.2	16442.4	20650.6	19591.5	16880.1	14239.4	12558.9	11551.6	10977.3	10831.3
12610.7	40°	14484.2	17751.0	21568.5	19426.8	15821.0	12747.2	11184.4	10379.4	10054.7	10087.6
12846.0	42.5°	15237.3	19214.9	22213.4	19003.1	14347.6	11207.9	9979.3	9621.6	9776.9	9908.7
13199.1	45°	16216.4	20735.4	22613.5	18282.9	12681.3	9904.0	9268.5	9353.3	9471.0	9485.1
13768.7	47.5°	17468.5	22274.6	22877.2	17195.5	10982.0	8986.1	8816.6	8835.5	8811.9	8713.1
14620.7	50°	19031.3	23771.5	23112.5	15755.1	9536.9	8411.8	8185.9	8120.0	7795.2	7475.1
15755.1	52.5°	20810.7	25146.0	23211.4	13966.4	8411.8	7931.7	7564.5	7150.3	6543.1	6444.2
17181.4	55°	22787.7	26417.0	22957.2	11768.1	7465.7	7315.0	6759.6	6260.6	6194.7	6110.0
19059.6	57.5°	25150.7	27786.8	22439.4	9315.6	6496.0	6594.8	6053.5	6110.0	5992.3	5860.5
21474.4	60°	27735.0	29203.7	21530.9	7079.7	5493.3	5695.8	5869.9	5865.2	5832.3	5724.0
24021.0	62.5°	30060.4	30135.7	19742.1	5422.7	4613.1	4999.1	5474.5	5469.8	5441.6	5380.4
26680.6	65°	31444.3	29994.5	16757.8	4269.5	3888.2	4424.8	4937.9	4975.5	4980.3	4975.5
28681.2	67.5°	31199.5	28342.3	12662.5	3398.6	3290.4	3841.1	4406.0	4457.7	4495.4	4504.8
28935.4	70°	28431.7	24713.0	8256.5	2711.4	2758.4	3328.0	3902.3	3954.1	3987.0	4024.7
25108.4	72.5°	22161.7	18169.9	4726.1	2193.6	2292.4	2885.5	3403.3	3464.5	3483.4	3554.0
17473.3	75°	13505.1	10685.4	2551.3	1727.6	1882.9	2466.6	2909.1	2979.7	3012.6	3097.4
8581.3	77.5°	6420.7	4627.2	1454.5	1346.3	1515.7	2014.7	2457.2	2537.2	2447.8	2494.8
2367.7	80°	2170.0	1718.1	917.9	1026.2	1158.0	1572.2	1967.6	2047.6	1859.4	1849.9
786.1	82.5°	757.9	696.7	583.7	682.5	748.5	1125.0	1487.5	1591.0	1383.9	1379.2
353.0	85°	296.6	282.4	324.8	371.9	447.2	692.0	979.1	1030.9	852.0	687.3
103.6	87.5°	61.2	65.9	80.0	84.7	136.5	240.1	353.0	433.1	343.6	291.8
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>
10148.8
10530.1
11085.5
11725.7
12455.3
13288.5
14314.7
15430.3
16037.5
15722.2
14874.9
14013.4
13260.3
12540.1
11763.4
10934.9
10200.6
10031.1
9579.2
8788.4
7517.5
6477.2
6124.1
5837.0
5686.3
5356.8
4975.5
4514.2
4043.5
3582.2
<i>3106.8</i>
2457.2
1831.1
1313.3
677.8
268.3
0.0

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