

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: P851307

Luminaire Tested: **GLAN-SB9B-722-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851307
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9B-722-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31455 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

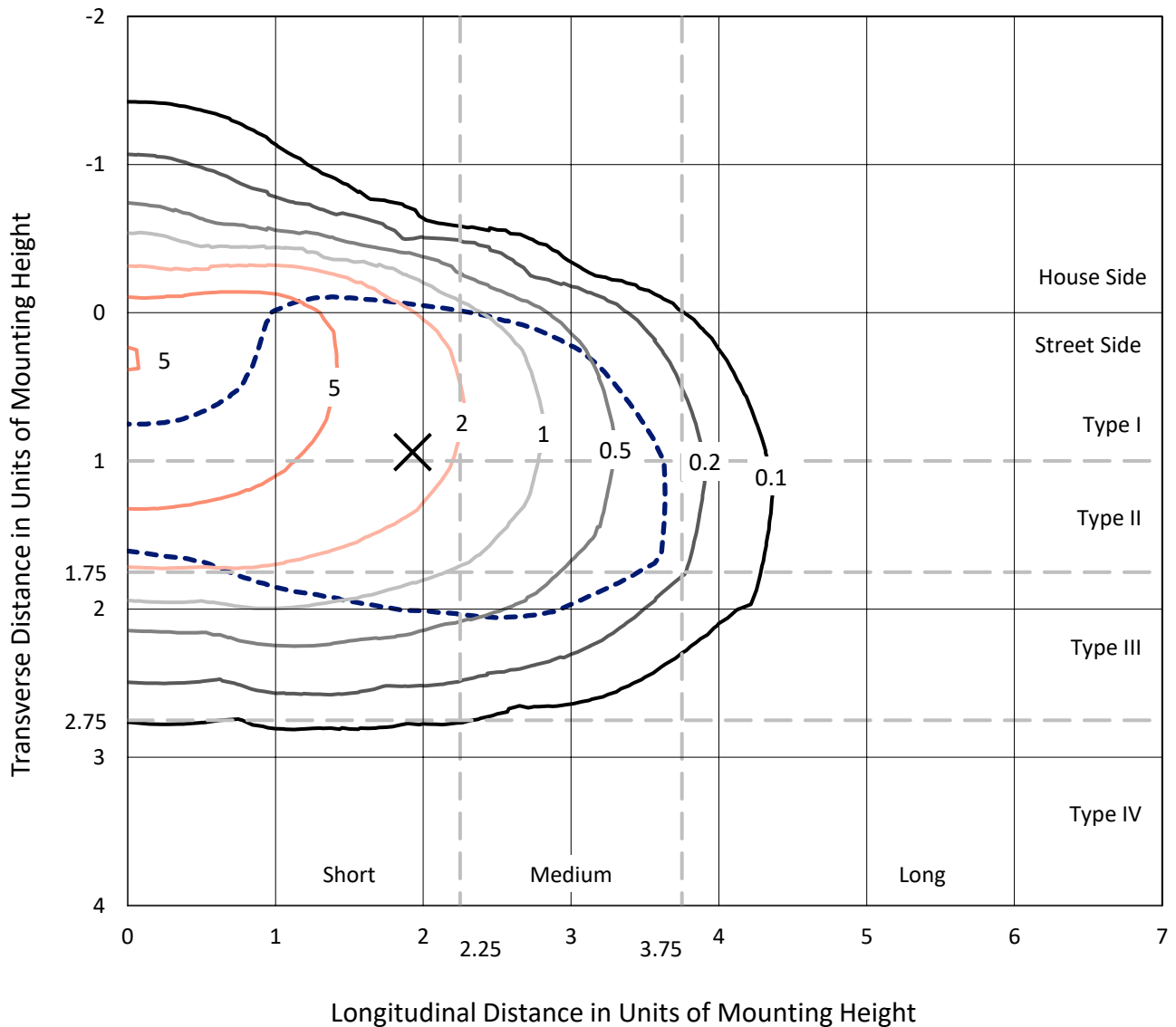
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

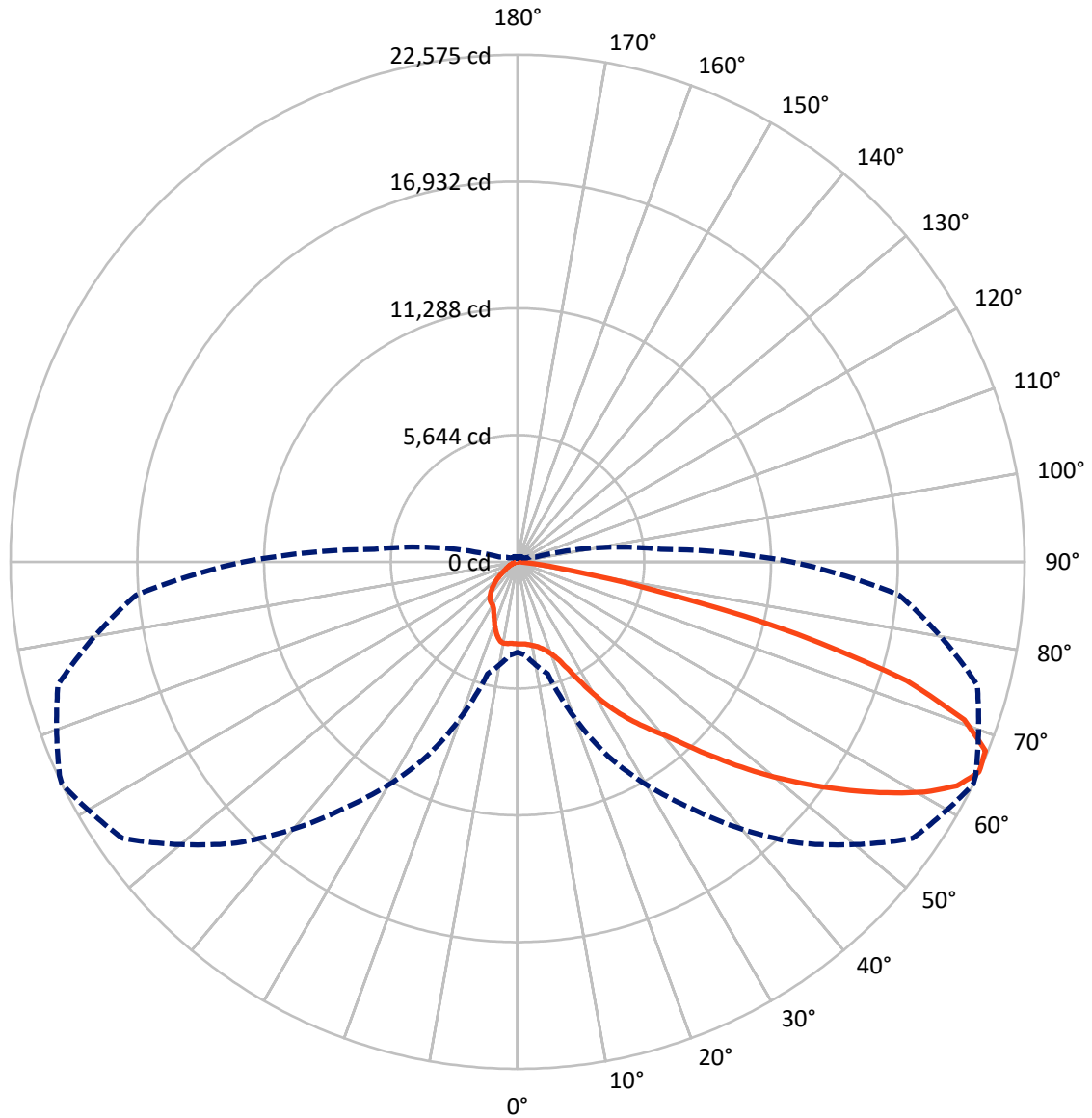
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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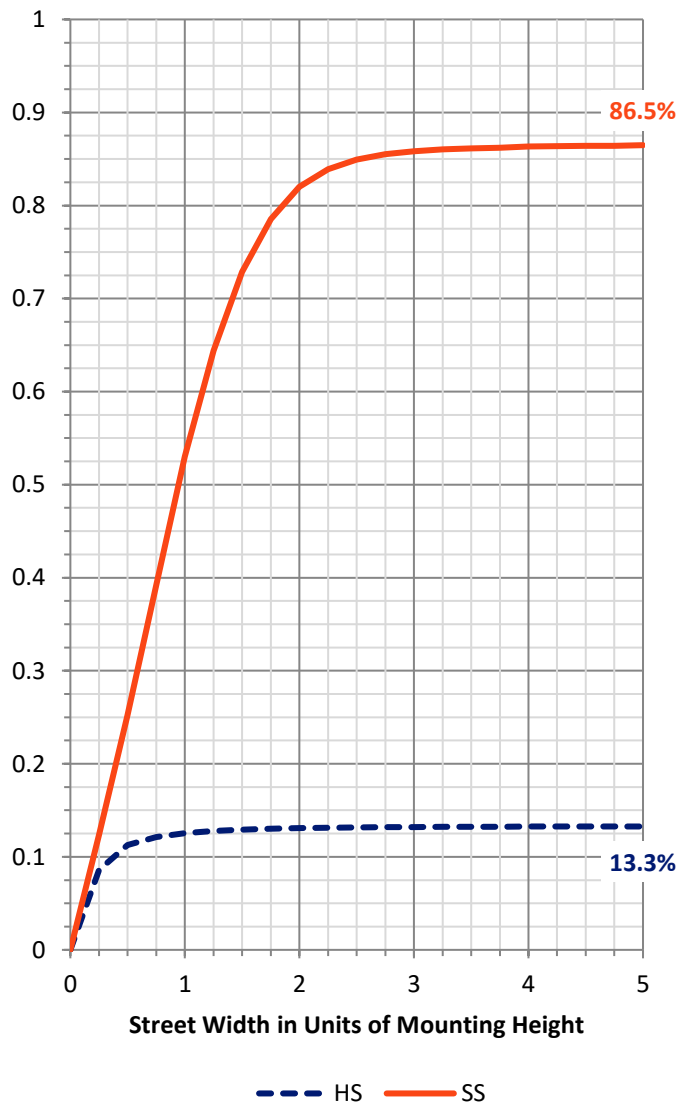
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4206.5	0.0	4206.5
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	27248.5	0.0	27248.5
	% Fixture	86.6	0.0	86.6
Total	Lumens	31455.0	0.0	31455.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.5	1.1
10°-20°	915.5	2.9
20°-30°	1734.8	5.5
30°-40°	3510.4	11.2
40°-50°	5980.0	19.0
50°-60°	8132.3	25.9
60°-70°	7636.7	24.3
70°-80°	3059.6	9.7
80°-90°	148.2	0.5
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°	31455.0	100.0
0°-180°	31455.0	100.0

Coefficient of Utilization

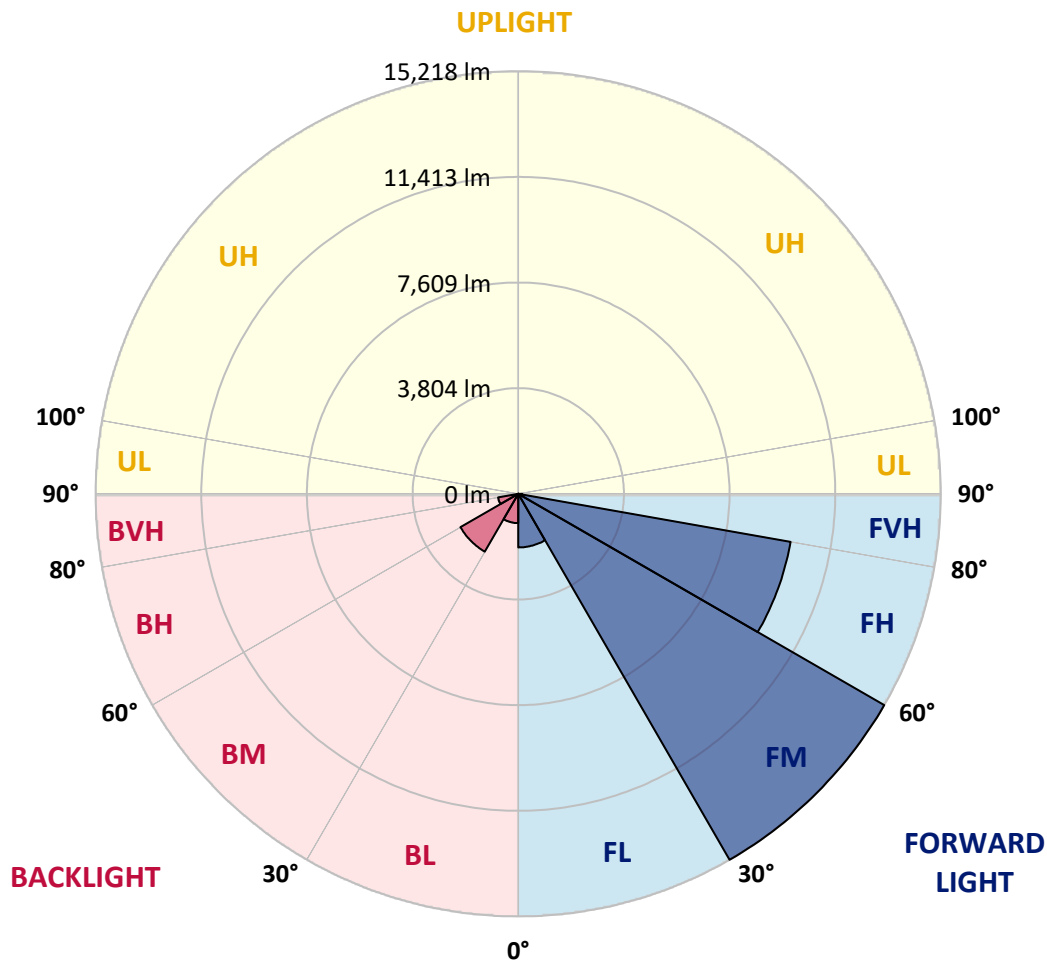


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1931.7	6.1			
FM (30°-60°)	15217.9	48.4			
FH (60°-80°)	9957.9	31.7			G4/12000
FVH (80°-90°)	141.0	0.4			G2/225
BL (0°-30°)	1056.1	3.4	B3/2500		
BM (30°-60°)	2404.8	7.6	B2/2500		
BH (60°-80°)	738.3	2.3	B2/1000		G2/1000
BVH (80°-90°)	7.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	3658.5	3658.5	3658.5	3658.5	3658.5	3658.5	3658.5	3658.5	3658.5	3658.5
2.5°	3645.9	3671.2	3664.9	3658.5	3656.4	3660.7	3662.8	3660.7	3660.7	3660.7
5°	3576.3	3597.4	3597.4	3612.2	3633.2	3658.5	3677.5	3681.7	3686.0	3692.3
7.5°	3443.5	3460.3	3473.0	3521.5	3574.2	3641.7	3698.6	3728.1	3732.3	3755.5
10°	3352.8	3373.9	3395.0	3445.6	3521.5	3622.7	3719.7	3791.4	3801.9	3856.8
12.5°	3348.6	3369.7	3397.1	3451.9	3540.5	3648.0	3766.1	3869.4	3888.4	3968.5
15°	3392.9	3418.2	3443.5	3510.9	3605.8	3736.6	3863.1	3991.7	4010.7	4124.6
17.5°	3483.5	3517.3	3536.2	3603.7	3704.9	3850.4	4017.0	4164.6	4181.5	4314.3
20°	3662.8	3702.8	3709.2	3764.0	3863.1	4019.1	4217.3	4400.8	4421.9	4573.7
22.5°	4033.9	4090.8	4040.2	4067.6	4156.2	4312.2	4527.3	4759.3	4788.8	4961.7
25°	4687.6	4767.7	4637.0	4590.6	4628.5	4790.9	5060.8	5353.9	5387.7	5526.8
27.5°	5971.8	5868.4	5670.2	5476.2	5362.3	5455.1	5758.8	6121.5	6163.6	6298.6
30°	7382.5	7291.8	7024.0	6593.8	6323.9	6309.1	6589.6	6994.5	7043.0	7171.6
32.5°	8795.3	8708.8	8417.8	7888.5	7420.4	7188.5	7382.5	7831.6	7856.9	7939.1
35°	10184.9	10096.3	9805.3	9263.4	8687.7	8160.6	8122.6	8628.7	8637.1	8723.6
37.5°	11582.9	11509.1	11199.1	10667.8	10100.5	9373.0	9020.9	9383.6	9394.1	9478.5
40°	12580.3	12612.0	12399.0	11987.8	11500.7	10705.7	10028.8	10187.0	10123.7	10265.0
42.5°	13436.4	13499.7	13314.1	13107.5	12824.9	12124.9	11277.2	11249.8	11148.5	11224.5
45°	14176.6	14229.3	14062.7	14014.2	14007.9	13516.6	12641.5	12477.0	12335.7	12321.0
47.5°	14448.6	14549.8	14621.5	14783.9	15100.2	14893.5	14052.2	13797.0	13638.9	13522.9
50°	14551.9	14659.5	14904.1	15376.4	16125.0	16213.6	15456.6	15169.8	14975.8	14764.9
52.5°	14412.8	14604.7	14933.6	15728.6	16814.5	17272.1	16804.0	16553.1	16331.7	15987.9
55°	13592.5	13784.4	14457.0	15724.4	17158.3	18014.4	18077.6	17965.9	17717.0	17175.1
57.5°	11863.4	12148.1	13212.9	15188.8	17151.9	18653.3	19326.0	19406.1	19127.7	18351.8
60°	9467.9	9853.8	11152.8	14001.6	16622.6	18999.1	20420.4	20821.0	20525.8	19511.5
62.5°	6606.5	7053.5	8282.9	12141.7	15412.3	18750.3	21219.6	21959.7	21736.2	20549.0
65°	4029.7	4173.1	5164.1	9554.4	13354.2	17708.6	21466.3	22575.4	22501.6	21183.7
67.5°	2684.3	2804.5	3089.2	6551.6	10366.2	15627.4	20875.8	22467.9	22489.0	21080.4
70°	1617.4	1720.7	1906.2	3810.4	6718.2	12369.5	19047.6	21097.2	21219.6	19699.2
72.5°	666.3	735.9	904.6	1727.0	3479.3	7850.6	15167.7	18113.5	18398.1	16563.6
75°	377.5	413.3	531.4	866.7	1509.8	3658.5	9187.5	12858.7	13278.3	11416.3
77.5°	250.9	267.8	343.7	560.9	849.8	1248.3	3926.3	6699.2	7500.5	6235.3
80°	168.7	183.5	236.2	375.3	552.5	535.6	1250.4	2481.9	3053.4	2142.4
82.5°	113.9	116.0	168.7	246.7	350.0	259.4	369.0	771.8	970.0	619.9
85°	65.4	63.3	124.4	143.4	156.0	107.5	111.8	232.0	303.6	261.5
87.5°	8.4	12.7	48.5	38.0	21.1	23.2	23.2	40.1	59.0	63.3
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°
3658.5	0°	3658.5	3658.5	3658.5	3658.5	3658.5	3658.5	3658.5	3658.5	3658.5	3658.5
3662.8	2.5°	3662.8	3660.7	3654.3	3648.0	3633.2	3624.8	3629.0	3624.8	3622.7	3624.8
3690.2	5°	3690.2	3683.8	3667.0	3645.9	3616.4	3580.5	3557.3	3523.6	3492.0	3473.0
3764.0	7.5°	3764.0	3757.7	3734.5	3675.4	3580.5	3430.8	3293.7	3173.5	3082.9	3030.2
3882.1	10°	3882.1	3871.5	3835.7	3704.9	3456.1	3129.3	2857.2	2631.6	2484.0	2414.4
4021.2	12.5°	4021.2	4008.6	3945.3	3677.5	3219.9	2709.6	2334.3	2083.4	1946.3	1885.2
4181.5	15°	4185.7	4168.8	4044.4	3546.8	2876.2	2245.7	1902.0	1714.3	1625.8	1571.0
4386.0	17.5°	4390.3	4360.7	4118.2	3350.7	2503.0	1891.5	1636.3	1495.0	1417.0	1364.3
4653.8	20°	4655.9	4607.4	4177.3	3116.6	2159.3	1668.0	1457.1	1339.0	1280.0	1233.6
5033.4	22.5°	5027.1	4957.5	4249.0	2863.6	1916.8	1514.0	1324.2	1237.8	1189.3	1136.6
5562.7	25°	5486.8	5404.5	4337.5	2629.5	1750.2	1381.2	1227.2	1155.6	1098.6	1037.5
6256.4	27.5°	6129.9	5982.3	4443.0	2437.6	1606.8	1267.3	1138.7	1058.6	993.2	942.6
7043.0	30°	6846.9	6604.4	4535.8	2321.6	1476.1	1161.9	1022.7	942.6	881.4	845.6
7749.4	32.5°	7525.8	7196.9	4596.9	2271.0	1358.0	1041.7	896.2	809.7	763.3	752.8
8441.0	35°	8166.9	7732.5	4590.6	2222.5	1252.6	921.5	771.8	683.2	647.4	653.7
9185.4	37.5°	8904.9	8303.9	4546.3	2146.6	1166.1	811.8	664.2	586.2	554.6	556.7
10090.0	40°	9763.1	8964.0	4518.9	2003.2	1071.2	710.6	575.7	512.4	489.2	480.8
11043.1	42.5°	10678.3	9602.9	4523.1	1840.9	953.1	619.9	514.5	461.8	440.7	434.4
12103.8	45°	11597.7	10212.3	4529.4	1672.2	828.7	550.4	470.2	426.0	413.3	404.9
13179.2	47.5°	12462.2	10731.0	4411.3	1490.8	706.4	497.6	434.4	404.9	394.3	383.8
14258.8	50°	13267.8	11076.8	4126.7	1280.0	609.4	455.5	407.0	385.9	375.3	364.8
15237.3	52.5°	13894.0	11131.7	3656.4	1062.8	541.9	423.8	390.1	371.1	358.5	347.9
16028.0	55°	14172.4	10788.0	2988.0	860.3	489.2	396.4	373.2	354.3	339.5	329.0
16650.1	57.5°	14100.7	10064.7	2330.1	691.6	438.6	369.0	352.1	339.5	322.6	305.8
17154.0	60°	13748.5	9096.8	1756.5	575.7	392.2	339.5	329.0	318.4	295.2	269.9
17348.0	62.5°	13139.1	7880.1	1252.6	476.6	341.6	305.8	301.5	293.1	259.4	213.0
17061.3	65°	12207.1	6401.9	843.5	396.4	293.1	267.8	269.9	255.1	210.9	158.2
16011.1	67.5°	10844.9	4681.2	539.8	324.7	244.6	223.5	225.6	217.2	179.2	135.0
14020.5	70°	9109.5	3099.7	352.1	246.7	196.1	172.9	185.6	187.7	151.8	109.7
10760.5	72.5°	6678.2	1830.3	246.7	183.5	143.4	120.2	151.8	156.0	122.3	82.2
6473.6	75°	3806.2	868.8	185.6	132.8	88.6	84.3	118.1	118.1	84.3	54.8
2802.4	77.5°	1598.4	362.7	130.7	86.5	50.6	48.5	80.1	73.8	42.2	25.3
683.2	80°	461.8	162.4	69.6	42.2	21.1	19.0	31.6	23.2	10.5	4.2
259.4	82.5°	181.3	71.7	27.4	16.9	8.4	8.4	4.2	0.0	0.0	0.0
147.6	85°	107.5	29.5	12.7	6.3	2.1	0.0	0.0	0.0	0.0	0.0
31.6	87.5°	27.4	6.3	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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>
3658.5
3633.2
3477.2
3032.3
2408.1
1878.8
1573.1
1360.1
1225.1
1128.1
1031.1
932.0
839.3
759.1
653.7
565.1
478.7
432.3
404.9
383.8
364.8
345.8
326.8
303.6
265.7
208.8
153.9
128.6
105.4
78.0
50.6
25.3
4.2
0.0
0.0
0.0
0.0

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