

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: P847676

Luminaire Tested: **GLAN-SB3D-850-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847676
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3D-850-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25976 lumens
Efficiency: N/A
Efficacy: 119.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

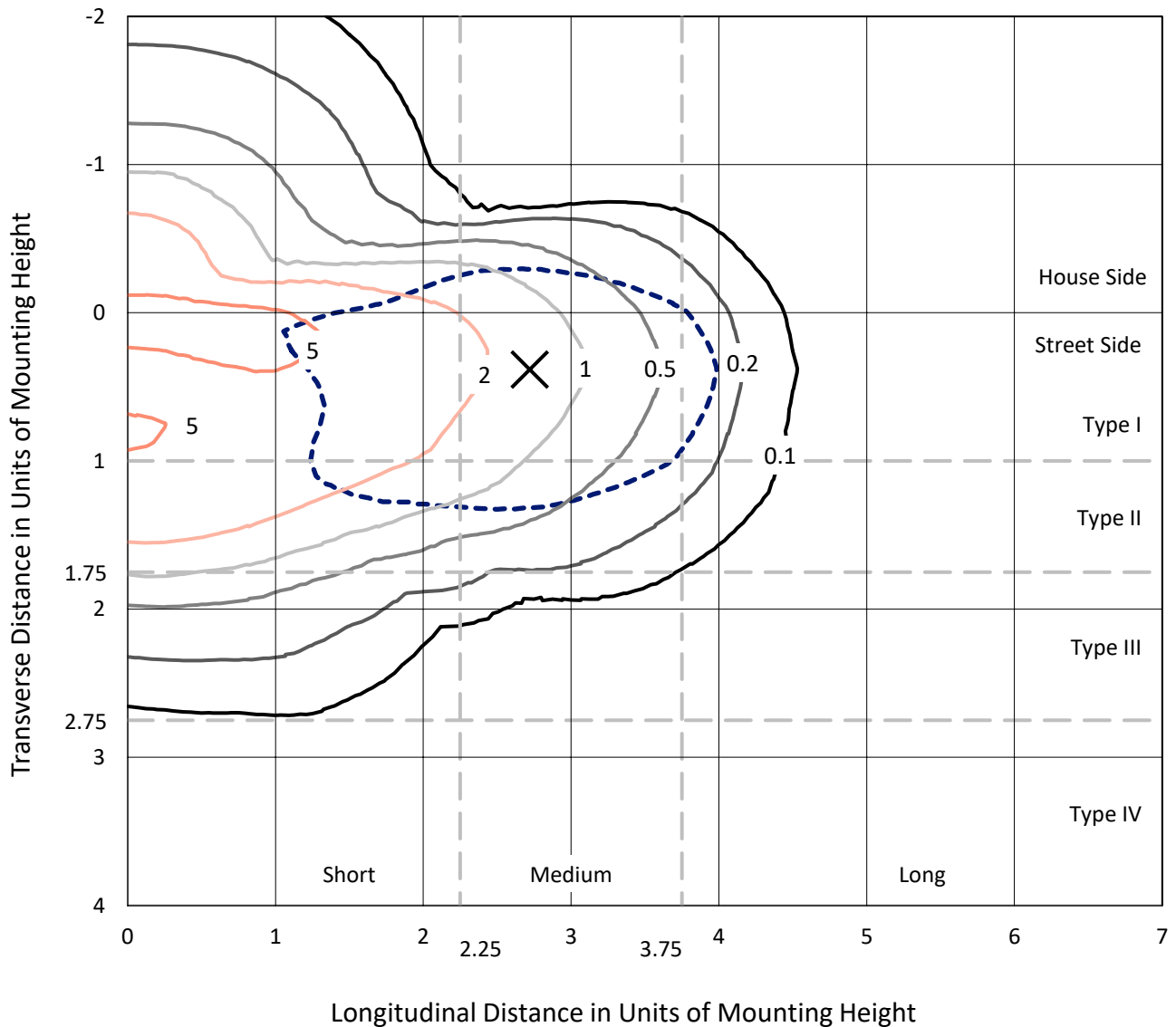
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

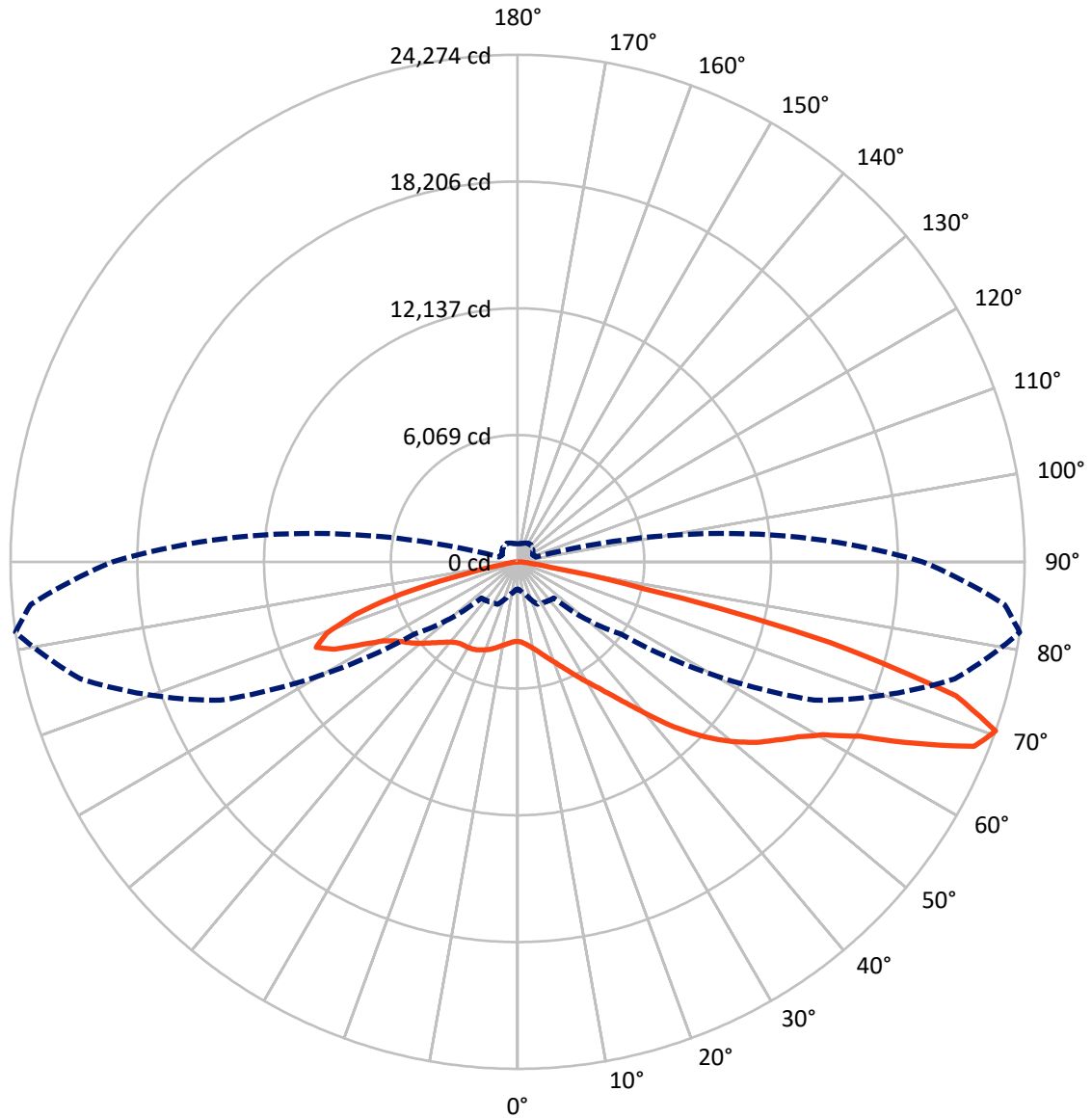
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6403.7	0.0	6403.7
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	19572.3	0.0	19572.3
	% Fixture	75.3	0.0	75.3
Total	Lumens	25976.0	0.0	25976.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	359.6	1.4
10°-20°	1033.1	4.0
20°-30°	1728.3	6.7
30°-40°	2700.0	10.4
40°-50°	4300.1	16.6
50°-60°	5984.1	23.0
60°-70°	6259.6	24.1
70°-80°	3271.6	12.6
80°-90°	339.7	1.3
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°	25976.0	100.0
0°-180°	25976.0	100.0

Coefficient of Utilization



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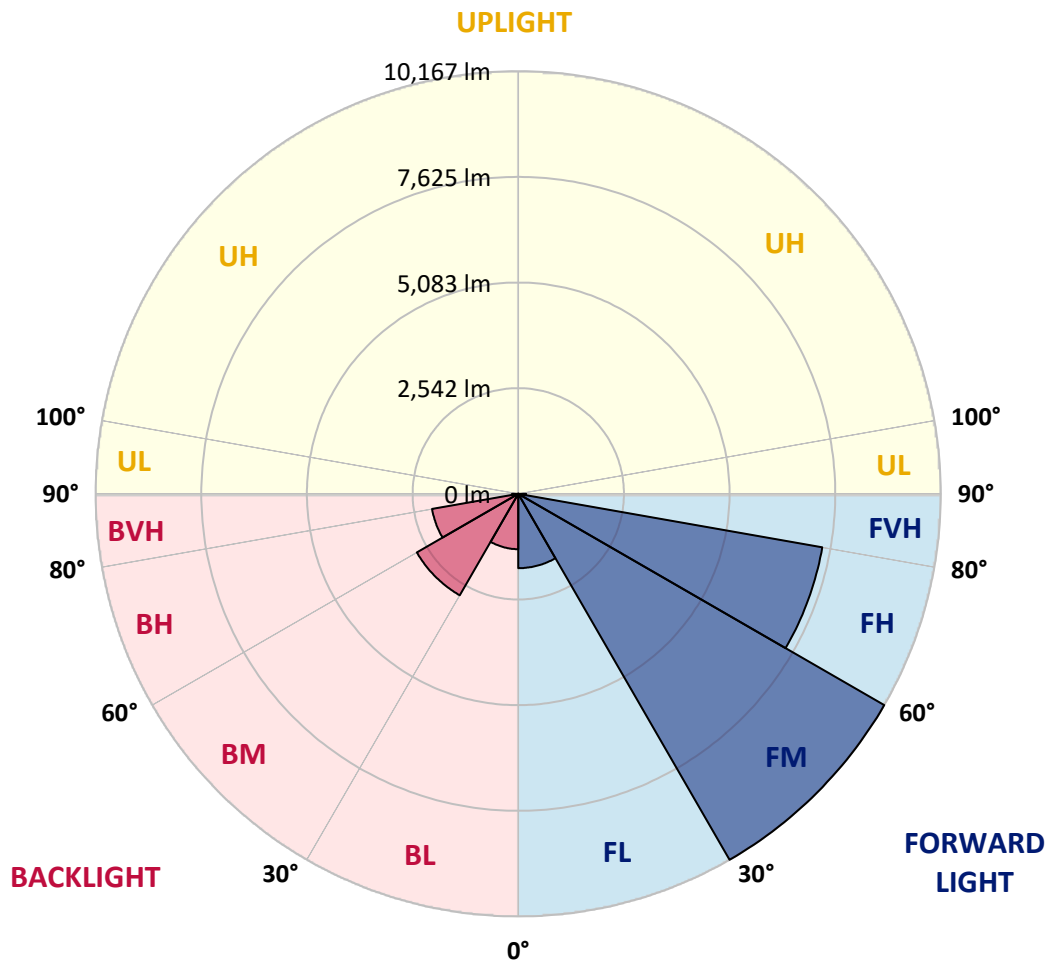
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1788.7	6.9			
FM (30°-60°)	10166.7	39.1			
FH (60°-80°)	7426.6	28.6			G3/7500
FVH (80°-90°)	190.2	0.7			G2/225
BL (0°-30°)	1332.2	5.1	B3/2500		
BM (30°-60°)	2817.4	10.8	B3/5000		
BH (60°-80°)	2104.6	8.1	B3/2500		G3/2500
BVH (80°-90°)	149.5	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3808.4	3808.4	3808.4	3808.4	3808.4	3808.4	3808.4	3808.4	3808.4	3808.4
2.5°	3899.4	3921.4	3914.5	3907.6	3907.6	3898.0	3896.6	3882.8	3871.8	3853.9
5°	3949.0	3972.4	3969.7	3975.2	3993.1	3997.2	4001.4	3993.1	3971.1	3949.0
7.5°	3904.9	3931.1	3939.4	3972.4	4027.6	4077.2	4114.4	4129.6	4108.9	4077.2
10°	3756.0	3785.0	3813.9	3892.5	3990.3	4107.5	4206.8	4266.0	4261.9	4231.6
12.5°	3454.2	3484.5	3546.5	3699.5	3878.7	4085.5	4270.2	4394.2	4436.9	4414.9
15°	3213.0	3239.1	3286.0	3443.1	3676.1	3990.3	4293.6	4534.8	4643.7	4631.3
17.5°	3206.1	3217.1	3246.0	3320.5	3499.7	3841.5	4268.8	4672.6	4880.8	4879.4
20°	3327.4	3331.5	3348.0	3363.2	3465.2	3728.5	4205.4	4787.0	5146.8	5146.8
22.5°	3495.5	3492.8	3509.3	3495.5	3545.1	3718.8	4165.4	4887.7	5443.1	5465.2
25°	3747.8	3734.0	3729.8	3698.1	3707.8	3808.4	4209.5	5002.1	5794.6	5840.1
27.5°	4084.1	4062.0	4046.9	3973.8	3949.0	3993.1	4344.6	5139.9	6186.1	6264.6
30°	4522.4	4482.4	4460.4	4333.6	4244.0	4250.9	4548.6	5323.2	6595.4	6722.3
32.5°	5120.6	5058.6	4999.3	4791.2	4627.2	4573.4	4811.9	5576.8	7039.3	7241.9
35°	5790.5	5740.9	5677.5	5356.3	5104.1	4980.0	5167.5	5931.1	7558.9	7880.1
37.5°	6435.6	6392.8	6423.2	5990.3	5665.1	5484.5	5633.4	6406.6	8199.9	8674.0
40°	7102.7	7069.6	7073.7	6660.2	6281.2	6078.6	6198.5	7003.4	8934.5	9618.2
42.5°	7827.7	7802.9	7720.2	7353.5	6927.6	6738.8	6849.1	7692.6	9722.9	10693.3
45°	8639.6	8624.4	8547.2	8126.8	7638.9	7426.6	7575.5	8453.5	10515.5	11705.0
47.5°	9341.1	9353.5	9343.9	8989.7	8483.8	8172.3	8350.1	9247.4	11252.9	12656.1
50°	9678.8	9743.6	9838.7	9728.5	9414.2	9097.2	9131.6	10013.8	11955.9	13547.9
52.5°	9502.4	9625.1	9884.2	10060.6	10181.9	10115.8	10023.4	10774.6	12617.5	14352.9
55°	8844.9	9017.2	9447.3	9873.2	10492.1	10973.1	11094.4	11618.2	13262.6	15061.3
57.5°	7647.1	7926.9	8312.9	9174.4	10216.4	11388.0	12343.2	12788.4	13946.2	15818.0
60°	5593.4	5968.3	6448.0	7729.8	9251.5	11166.1	13405.9	14585.8	14918.0	16798.1
62.5°	3579.6	3811.2	4252.2	5459.7	7208.8	10028.9	13731.2	16832.5	16565.1	18405.2
65°	2450.7	2599.6	3003.4	3681.6	4660.2	7465.2	12860.1	18516.9	19181.2	20952.4
67.5°	1780.8	1893.9	2238.5	2832.5	3036.5	4417.6	9979.3	18439.7	21724.3	23576.8
70°	1298.4	1378.4	1667.8	2238.5	2336.3	2457.6	6045.5	15674.7	21669.2	24274.3
72.5°	962.1	1017.2	1211.6	1736.7	1891.1	1659.5	2992.4	11392.1	18620.3	21955.9
75°	696.1	737.4	880.8	1328.7	1513.4	1264.0	1492.8	6657.5	12988.3	15444.5
77.5°	532.0	563.7	657.5	973.1	1211.6	948.3	926.3	3062.7	6158.5	6188.8
80°	427.3	448.0	499.0	685.0	929.0	709.9	603.7	1236.4	1946.2	1647.1
82.5°	314.3	348.7	421.8	481.0	664.4	489.3	368.0	624.4	740.2	636.8
85°	179.2	202.6	255.0	344.6	424.5	299.1	210.9	277.1	344.6	282.6
87.5°	63.4	82.7	89.6	135.1	184.7	124.1	81.3	79.9	113.0	84.1
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°
3808.4	0°	3808.4	3808.4	3808.4	3808.4	3808.4	3808.4	3808.4	3808.4	3808.4	3808.4
3849.8	2.5°	3836.0	3829.1	3801.5	3764.3	3725.7	3688.5	3676.1	3649.9	3632.0	3622.3
3939.4	5°	3913.2	3891.1	3826.3	3743.6	3656.8	3563.1	3496.9	3436.2	3392.1	3350.8
4062.0	7.5°	4023.4	3984.8	3873.2	3728.5	3574.1	3418.3	3302.5	3214.3	3155.1	3116.5
4205.4	10°	4151.6	4092.3	3921.4	3705.0	3466.6	3243.3	3106.8	3031.0	2993.8	2973.1
4369.4	12.5°	4299.1	4215.0	3971.1	3651.3	3302.5	3047.6	2953.8	2931.8	2933.1	2934.5
4576.2	15°	4481.0	4363.9	4011.0	3534.1	3088.9	2897.3	2880.8	2916.6	2953.8	2971.7
4810.5	17.5°	4686.4	4521.0	4017.9	3341.1	2879.4	2800.8	2853.2	2930.4	2986.9	3011.7
5072.4	20°	4907.0	4680.9	3968.3	3068.2	2707.1	2722.3	2816.0	2915.2	2977.3	3009.0
5371.5	22.5°	5159.2	4851.8	3849.8	2781.5	2566.5	2636.8	2747.1	2843.6	2908.3	2940.0
5722.9	25°	5447.3	5043.4	3663.7	2540.3	2445.2	2540.3	2650.6	2730.5	2782.9	2811.9
6115.8	27.5°	5767.1	5243.3	3415.6	2348.7	2339.1	2441.1	2532.0	2594.1	2621.6	2643.7
6533.4	30°	6088.2	5425.2	3115.1	2204.0	2246.7	2343.2	2408.0	2435.6	2443.8	2448.0
6999.3	32.5°	6435.6	5582.4	2799.4	2084.1	2158.5	2248.1	2286.7	2299.1	2260.5	2234.3
7564.4	35°	6856.0	5750.5	2490.7	1989.0	2071.7	2148.9	2161.3	2150.2	2104.8	2051.0
8272.9	37.5°	7375.6	5960.0	2244.0	1921.4	1990.4	2041.3	2026.2	2023.4	2027.6	1964.2
9124.7	40°	8012.4	6232.9	2063.4	1869.1	1924.2	1935.2	1892.5	1915.9	1936.6	1840.1
10059.3	42.5°	8719.5	6562.4	1949.0	1833.2	1869.1	1842.9	1776.7	1802.9	1800.1	1673.3
10997.9	45°	9440.4	6920.7	1909.0	1807.0	1818.1	1765.7	1692.6	1699.5	1641.6	1527.2
11898.0	47.5°	10157.1	7305.3	1933.8	1785.0	1754.7	1695.4	1638.9	1608.5	1523.1	1437.6
12760.8	50°	10860.1	7709.2	2024.8	1740.9	1667.8	1633.4	1592.0	1538.2	1447.3	1374.2
13576.8	52.5°	11512.1	8115.8	2126.8	1667.8	1558.9	1579.6	1553.4	1491.4	1401.8	1327.4
14348.7	55°	12129.6	8522.4	2166.8	1567.2	1456.9	1532.7	1517.6	1403.2	1295.7	1235.0
15156.4	57.5°	12802.2	9011.7	2122.7	1439.0	1374.2	1479.0	1421.1	1294.3	1232.3	1186.8
16208.1	60°	13734.0	9779.5	2027.6	1280.5	1295.7	1399.0	1299.8	1247.4	1179.9	1128.9
17785.0	62.5°	15281.9	11211.6	1874.6	1123.4	1203.3	1280.5	1241.9	1189.5	1120.6	1071.0
20481.0	65°	17569.9	13201.9	1586.5	1000.7	1099.9	1164.7	1179.9	1127.5	1055.8	1003.4
22843.5	67.5°	19499.6	14450.7	1200.6	898.7	993.8	1071.0	1113.7	1062.7	986.9	935.9
23396.3	70°	19393.5	13543.8	916.6	798.1	900.1	978.6	1033.8	993.8	912.5	864.2
21251.5	72.5°	17225.4	11330.1	741.6	696.1	805.0	882.1	948.3	918.0	835.3	788.4
15568.6	75°	12654.7	8042.7	592.7	592.7	686.4	781.5	854.6	835.3	759.5	726.4
6536.2	77.5°	5334.3	3374.2	464.5	492.1	570.6	671.3	762.2	769.1	703.0	744.3
1728.5	80°	1418.3	930.4	354.2	387.3	448.0	554.1	663.0	660.2	588.6	550.0
642.3	82.5°	540.3	366.6	252.2	272.9	323.9	424.5	525.2	541.7	470.0	406.6
252.2	85°	208.1	157.1	155.8	164.0	188.8	281.2	397.0	410.8	354.2	300.5
70.3	87.5°	53.8	46.9	57.9	55.1	86.8	150.2	227.4	235.7	216.4	125.4
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>
3808.4
3633.4
3367.3
3124.7
2978.6
2937.3
2970.4
3017.2
3017.2
2948.3
2820.1
2652.0
2457.6
2242.6
2053.8
1968.3
1842.9
1671.9
1531.4
1437.6
1368.7
1328.7
1229.5
1182.6
1126.1
1071.0
1006.2
937.3
868.4
788.4
716.7
675.4
511.4
406.6
310.1
179.2
0.0

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