

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: P849345

Luminaire Tested: **GLAN-SB6B-830-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849345
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-SB6B-830-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3000K, 450mA 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: 21410 lumens
Efficiency: N/A
Efficacy: 97.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

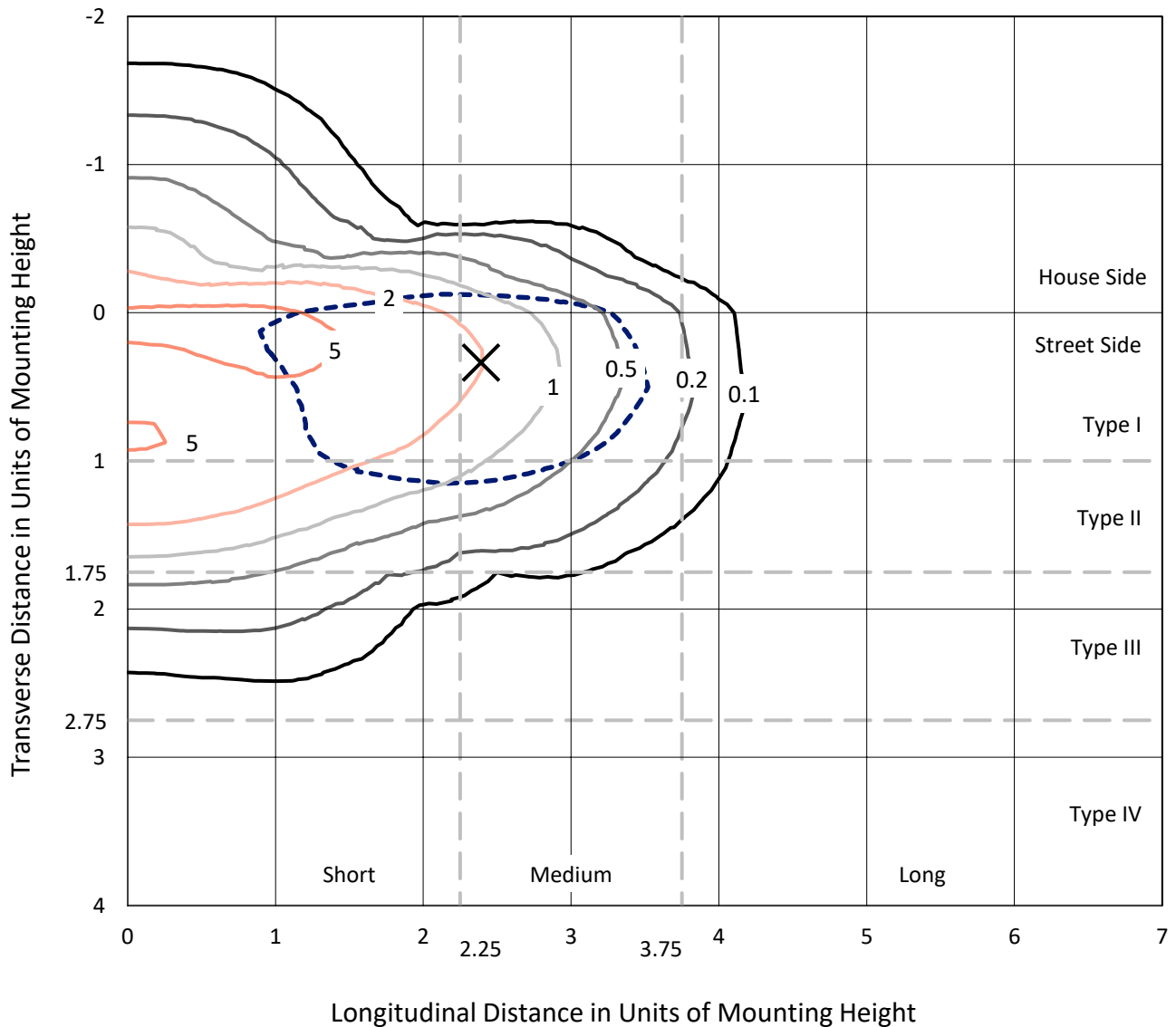
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

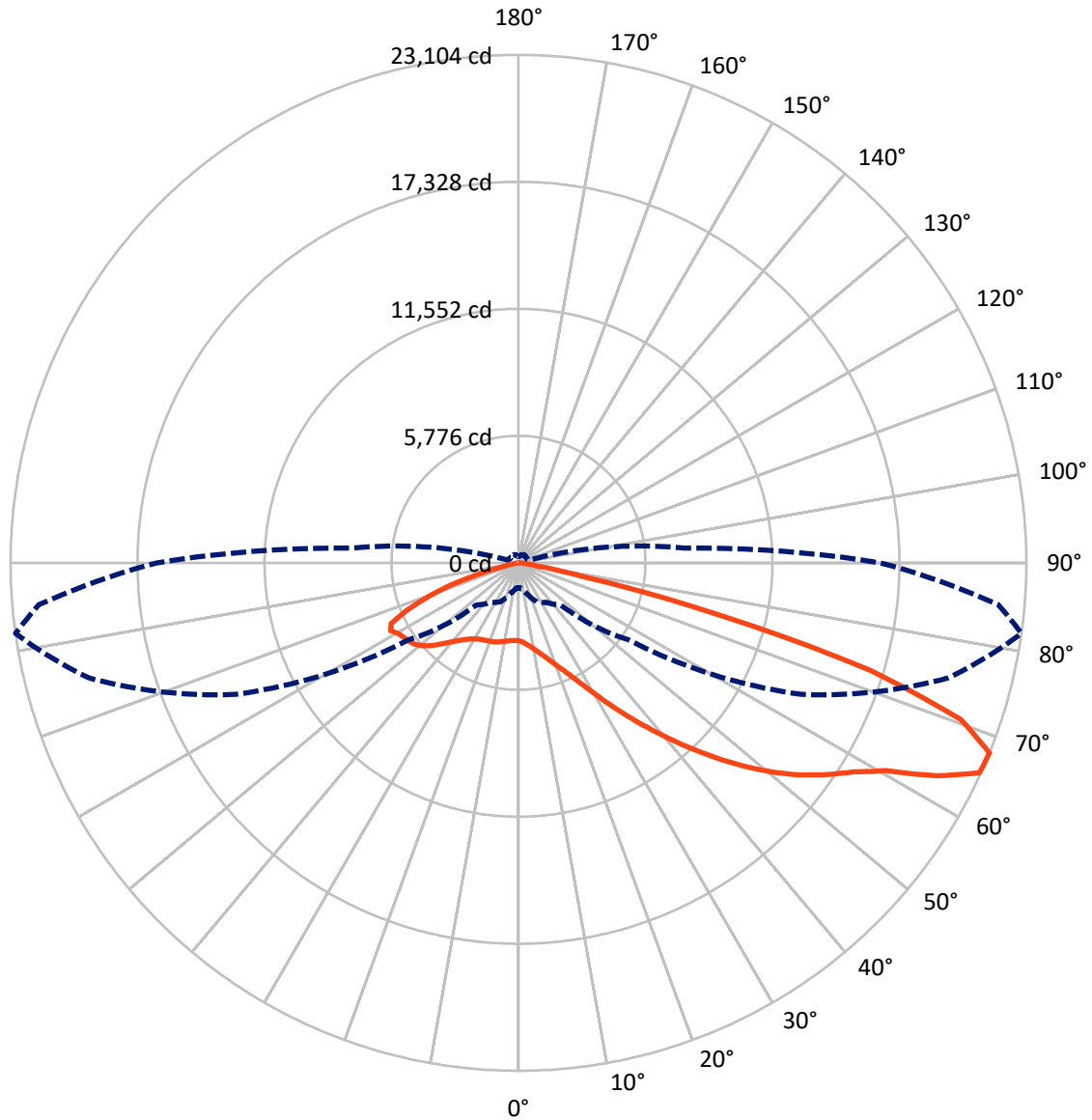
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 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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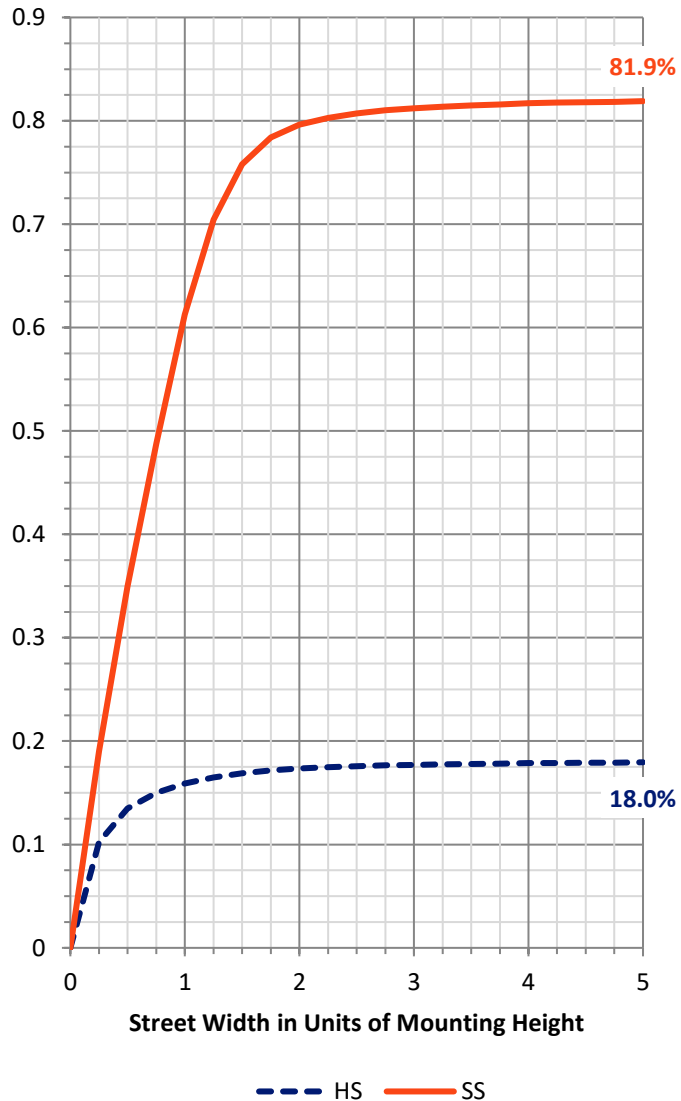
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3878.2	0.0	3878.2
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	17531.8	0.0	17531.8
	% Fixture	81.9	0.0	81.9
Total	Lumens	21410.0	0.0	21410.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	316.0	1.5
10°-20°	821.2	3.8
20°-30°	1315.2	6.1
30°-40°	2325.8	10.9
40°-50°	4075.0	19.0
50°-60°	5434.8	25.4
60°-70°	5059.6	23.6
70°-80°	1941.9	9.1
80°-90°	120.6	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°	21410.0	100.0
0°-180°	21410.0	100.0

Coefficient of Utilization

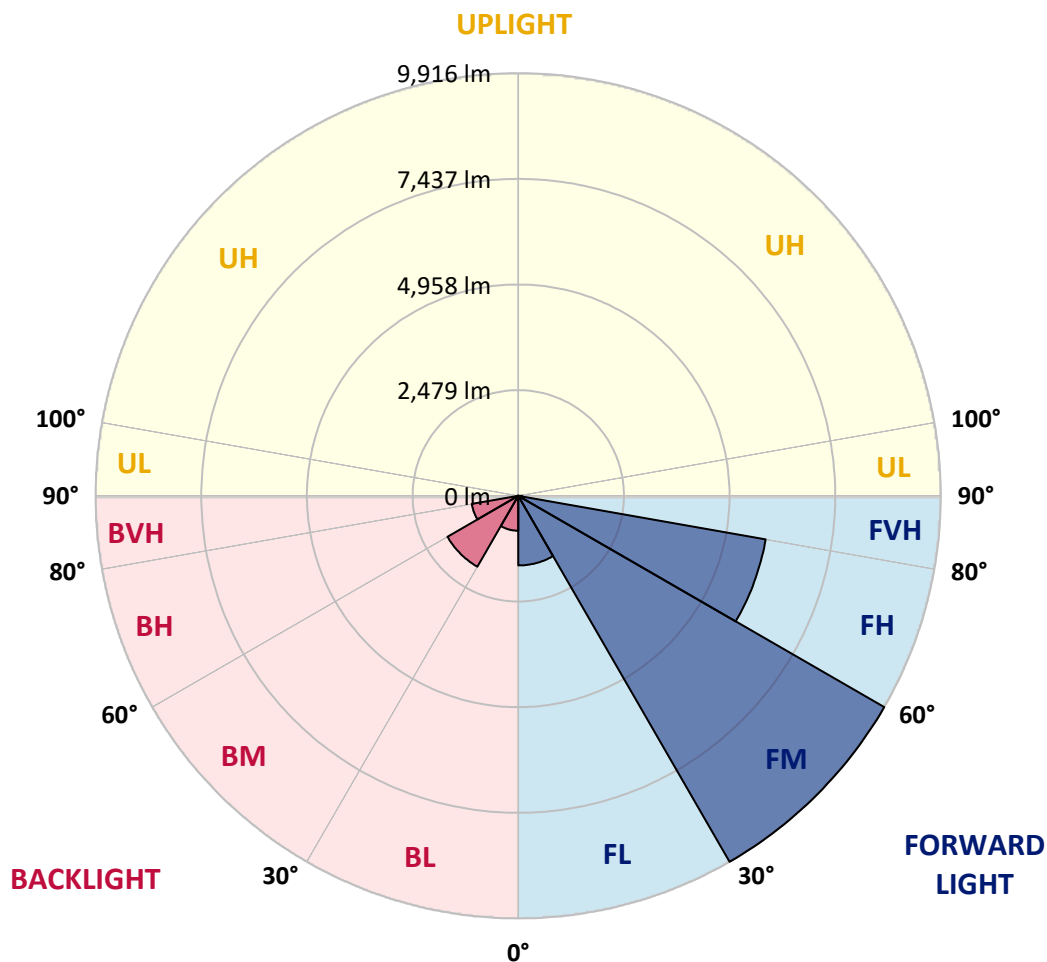


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1633.3	7.6			
FM (30°-60°)	9916.2	46.3			
FH (60°-80°)	5894.5	27.5			G3/7500
FVH (80°-90°)	87.7	0.4			G1/100
BL (0°-30°)	819.1	3.8	B2/1000		
BM (30°-60°)	1919.3	9.0	B2/2500		
BH (60°-80°)	1106.9	5.2	B3/2500		G3/2500
BVH (80°-90°)	32.9	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-G3
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3546.9	3546.9	3546.9	3546.9	3546.9	3546.9	3546.9	3546.9	3546.9	3546.9
2.5°	3748.8	3770.4	3758.1	3751.9	3741.1	3725.7	3713.4	3674.9	3634.8	3608.6
5°	3824.4	3846.0	3844.4	3850.6	3858.3	3862.9	3859.8	3816.7	3759.6	3714.9
7.5°	3759.6	3784.3	3804.3	3835.2	3889.1	3946.2	3973.9	3964.6	3906.1	3844.4
10°	3576.2	3602.4	3650.2	3722.6	3836.7	3960.0	4063.3	4111.1	4074.1	4006.3
12.5°	3240.2	3266.4	3360.4	3517.6	3708.8	3923.0	4120.3	4248.3	4257.5	4189.7
15°	2862.5	2888.7	2988.9	3186.2	3477.5	3821.3	4151.2	4393.2	4474.9	4416.3
17.5°	2628.2	2651.3	2726.9	2885.6	3189.3	3617.8	4140.4	4547.3	4733.8	4687.6
20°	2557.3	2577.3	2612.8	2723.8	2976.6	3406.6	4069.5	4692.2	5012.8	4986.6
22.5°	2632.8	2651.3	2662.1	2711.4	2870.2	3267.9	3980.1	4840.2	5336.6	5339.6
25°	2807.0	2825.5	2813.2	2844.0	2913.4	3224.7	3946.2	5014.4	5743.5	5777.4
27.5°	3093.7	3095.3	3066.0	3064.4	3075.2	3289.5	3981.6	5200.9	6256.8	6320.0
30°	3668.7	3645.6	3533.0	3411.3	3355.8	3483.7	4080.3	5421.3	6862.6	6975.1
32.5°	4555.0	4521.1	4314.6	4023.2	3730.3	3796.6	4257.5	5672.6	7522.4	7725.8
35°	5516.9	5507.7	5291.9	4858.7	4346.9	4242.1	4545.8	6002.5	8242.2	8565.9
37.5°	6411.0	6406.3	6283.0	5772.8	5150.0	4863.3	5008.2	6434.1	9012.9	9481.6
40°	7227.9	7241.8	7118.5	6662.2	6034.8	5660.3	5637.1	6967.4	9870.0	10478.9
42.5°	7933.9	7949.3	7824.5	7486.9	6908.8	6542.0	6409.4	7621.0	10707.0	11550.2
45°	8413.3	8508.9	8490.4	8220.6	7806.0	7425.2	7337.4	8441.1	11661.2	12686.3
47.5°	8549.0	8636.8	8775.6	8812.6	8559.8	8185.2	8290.0	9429.1	12626.1	13823.9
50°	8214.5	8296.2	8584.4	8968.2	9144.0	9028.4	9216.4	10488.1	13614.2	14958.4
52.5°	7554.7	7638.0	8001.7	8609.1	9325.9	9689.7	10145.9	11531.7	14571.5	16032.8
55°	6600.6	6688.4	7155.5	7843.0	8979.0	9962.5	10921.3	12573.7	15448.6	16999.3
57.5°	5302.6	5367.4	5852.9	6814.8	8106.6	9691.2	11493.2	13711.3	16274.8	17948.8
60°	3456.0	3513.0	4077.2	5150.0	6660.7	8784.8	11607.2	14980.0	17372.3	19183.5
62.5°	2298.3	2336.9	2671.4	3459.0	4690.7	7044.5	10939.8	15992.7	18981.6	21332.3
65°	1576.9	1615.5	1950.0	2498.7	3030.5	4659.9	9020.7	15858.6	20439.8	23038.7
67.5°	1125.3	1157.6	1441.3	1959.2	2193.5	2706.8	6115.0	14144.5	20230.2	23103.5
70°	806.2	824.7	1059.0	1526.1	1743.4	1626.2	3400.5	10818.0	17713.0	21333.9
72.5°	564.2	570.3	735.3	1162.3	1404.3	1186.9	1618.5	7212.5	13396.9	16744.9
75°	382.3	390.0	494.8	852.4	1126.8	906.4	857.1	3867.5	7864.6	9268.8
77.5°	234.3	237.4	319.1	582.7	843.2	690.6	551.8	1638.6	3042.9	2987.4
80°	132.6	132.6	203.5	362.2	575.0	445.5	386.9	696.7	963.4	846.3
82.5°	74.0	75.5	148.0	225.1	380.7	263.6	212.7	322.2	416.2	368.4
85°	30.8	33.9	90.9	106.4	181.9	131.0	86.3	135.6	154.1	137.2
87.5°	3.1	4.6	27.7	20.0	21.6	26.2	12.3	26.2	21.6	21.6
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°
3546.9	0°	3546.9	3546.9	3546.9	3546.9	3546.9	3546.9	3546.9	3546.9	3546.9	3546.9
3599.3	2.5°	3570.0	3546.9	3488.3	3420.5	3331.1	3287.9	3229.4	3189.3	3155.4	3158.5
3688.7	5°	3639.4	3580.8	3449.8	3286.4	3082.9	2938.0	2783.9	2677.5	2591.2	2572.7
3812.0	7.5°	3735.0	3642.5	3412.8	3118.4	2774.6	2514.1	2281.4	2131.8	2025.5	1991.6
3961.6	10°	3858.3	3724.2	3365.0	2907.2	2412.4	2081.0	1831.3	1714.1	1641.7	1617.0
4137.3	12.5°	4001.6	3818.2	3301.8	2649.8	2039.4	1720.3	1561.5	1502.9	1479.8	1472.1
4353.1	15°	4182.0	3935.4	3206.2	2344.6	1723.4	1499.8	1432.0	1424.3	1427.4	1424.3
4612.1	17.5°	4396.3	4063.3	3050.6	2030.1	1510.6	1387.3	1362.7	1368.8	1376.5	1375.0
4901.9	20°	4630.6	4189.7	2851.7	1751.1	1365.7	1307.2	1293.3	1299.5	1305.6	1302.5
5236.4	22.5°	4897.2	4325.4	2631.3	1533.8	1268.6	1233.2	1217.8	1219.3	1219.3	1213.1
5660.3	25°	5216.3	4474.9	2400.1	1379.6	1194.6	1166.9	1148.4	1142.2	1133.0	1114.5
6175.1	27.5°	5597.1	4633.6	2178.1	1271.7	1136.1	1109.9	1088.3	1072.9	1049.7	1018.9
6793.2	30°	6025.6	4826.3	1990.0	1203.9	1089.8	1063.6	1038.9	1015.8	981.9	943.4
7503.9	32.5°	6529.6	5032.9	1852.8	1159.2	1048.2	1020.5	991.2	963.4	926.4	887.9
8302.3	35°	7130.8	5282.6	1772.7	1128.4	1015.8	978.8	946.5	915.6	887.9	854.0
9170.2	37.5°	7782.9	5547.7	1748.0	1112.9	994.2	937.2	900.2	878.6	875.6	855.5
10108.9	40°	8496.6	5862.2	1766.5	1103.7	971.1	897.1	857.1	852.4	860.1	824.7
11112.4	42.5°	9251.9	6235.2	1797.3	1092.9	938.8	857.1	818.5	818.5	812.4	763.0
12173.0	45°	10068.9	6665.3	1828.2	1066.7	900.2	817.0	787.7	776.9	750.7	702.9
13239.6	47.5°	10892.0	7103.1	1851.3	1018.9	854.0	783.1	756.9	732.2	693.7	650.5
14286.3	50°	11673.5	7496.1	1826.6	948.0	801.6	750.7	722.9	689.0	647.4	618.1
15277.5	52.5°	12371.8	7836.8	1721.8	864.8	746.1	716.8	692.1	656.7	622.8	591.9
16171.5	55°	12979.1	8112.7	1536.8	786.1	696.7	687.5	662.8	618.1	571.9	545.7
17057.9	57.5°	13561.8	8322.4	1305.6	721.4	652.0	655.1	618.1	578.0	534.9	507.1
18252.5	60°	14337.2	8602.9	1071.3	661.3	604.3	613.5	573.4	544.1	490.2	454.7
20301.1	62.5°	15576.5	9039.2	850.9	587.3	548.8	551.8	534.9	499.4	434.7	393.1
21819.4	65°	16560.0	8878.8	670.5	507.1	485.6	490.2	490.2	451.6	382.3	334.5
21901.1	67.5°	16449.0	7602.5	534.9	428.5	425.4	428.5	439.3	406.9	339.1	300.6
20233.3	70°	15152.6	6047.2	428.5	356.1	370.0	362.2	393.1	371.5	305.2	266.7
15686.0	72.5°	12364.1	4356.2	326.8	294.4	283.6	296.0	354.5	334.5	254.3	211.2
8308.5	75°	7224.8	2324.5	243.6	232.8	205.0	246.6	314.5	285.2	194.2	155.7
2546.5	77.5°	2352.3	810.8	178.8	171.1	152.6	198.8	268.2	240.5	158.8	123.3
746.1	80°	630.5	245.1	121.8	112.5	98.7	148.0	212.7	191.1	114.1	80.2
320.6	82.5°	252.8	103.3	70.9	63.2	54.0	101.7	168.0	154.1	84.8	50.9
100.2	85°	81.7	33.9	26.2	20.0	24.7	63.2	100.2	104.8	60.1	26.2
15.4	87.5°	10.8	4.6	4.6	6.2	4.6	10.8	30.8	29.3	17.0	3.1
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>
3546.9
3127.6
2531.1
1957.7
1598.5
1467.5
1422.8
1371.9
1301.0
1210.1
1111.4
1015.8
940.3
889.4
850.9
854.0
826.2
763.0
701.4
649.0
613.5
588.8
542.6
504.1
450.1
390.0
329.9
294.4
262.0
206.6
151.1
118.7
78.6
50.9
20.0
0.0
0.0

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