

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: P846455

Luminaire Tested: **GLAN-SB2A-830-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846455
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-SB2A-830-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 3000K, 350mA 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: 5625 lumens
Efficiency: N/A
Efficacy: 98.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

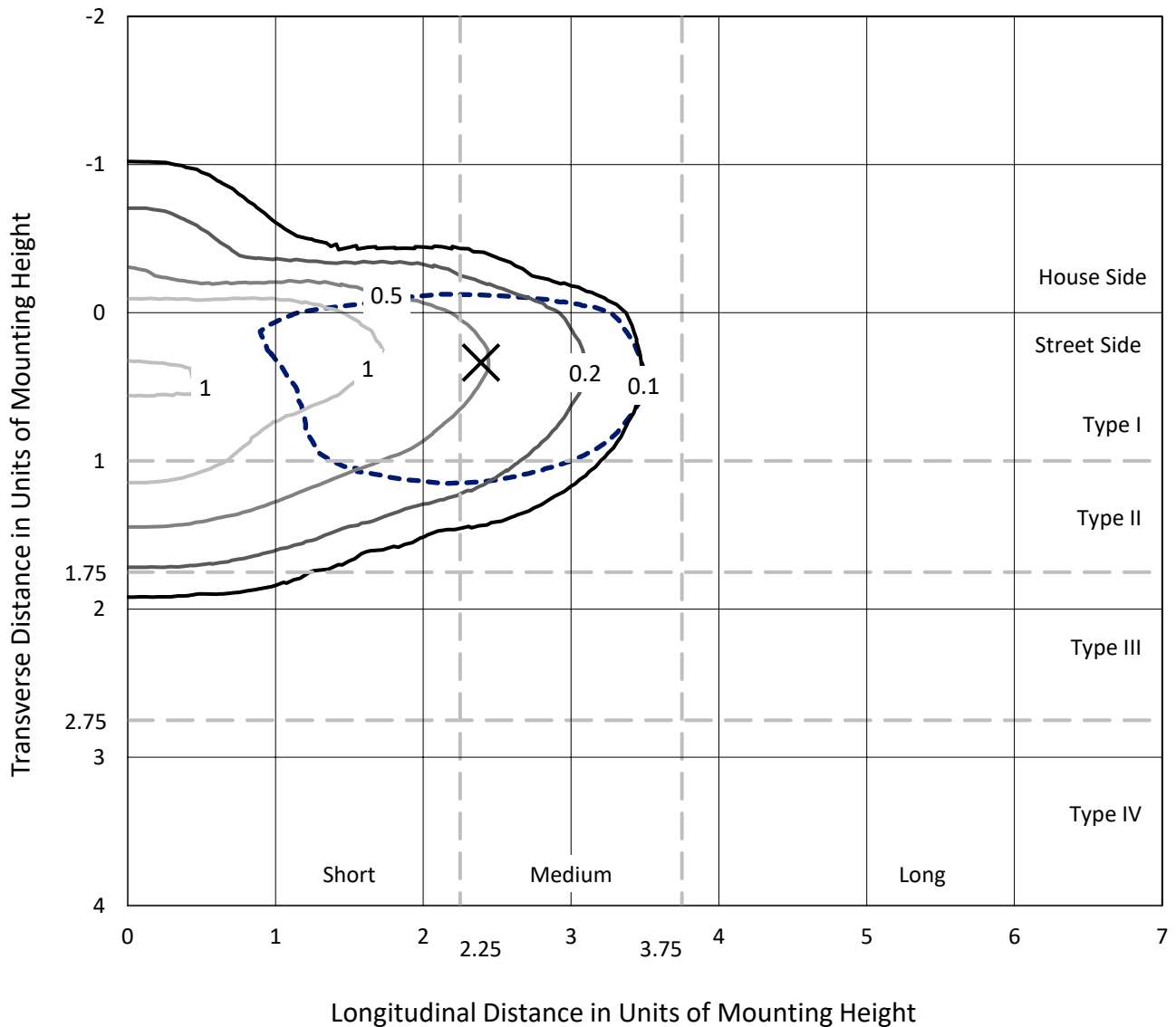
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

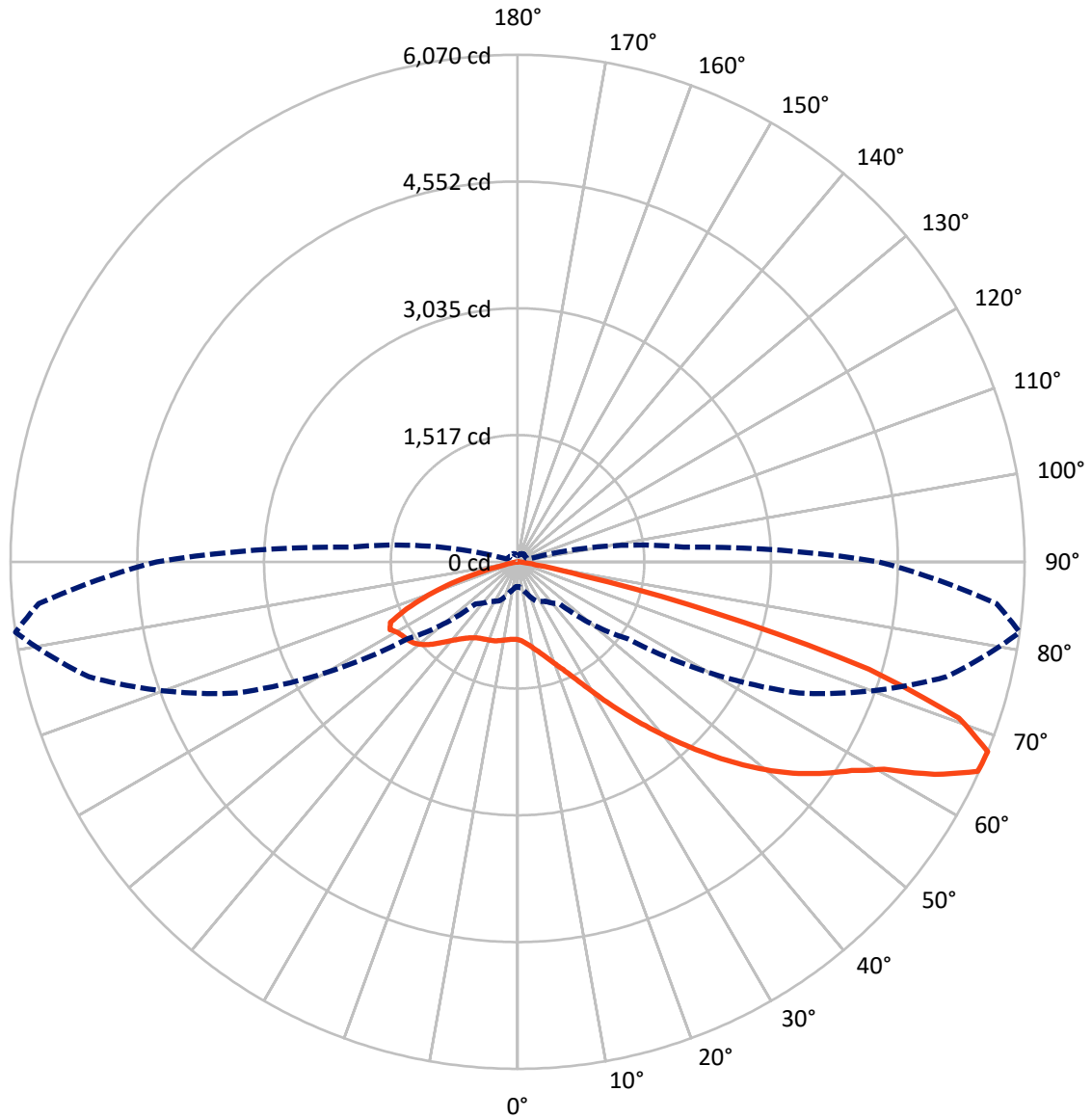
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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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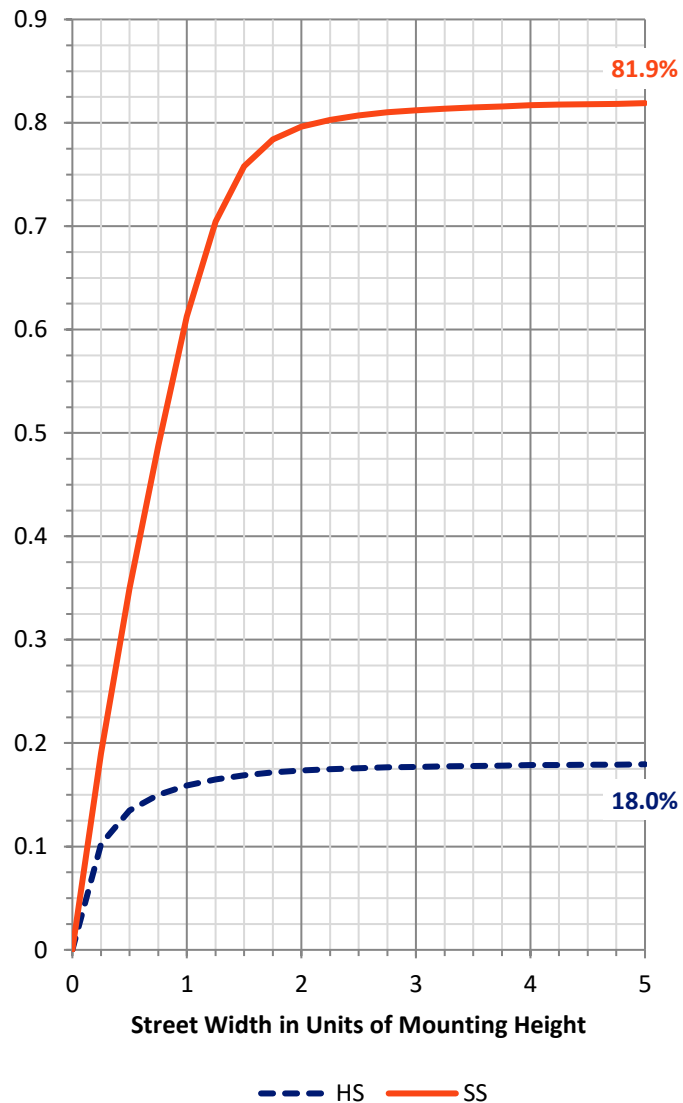
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1018.9	0.0	1018.9
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	4606.1	0.0	4606.1
	% Fixture	81.9	0.0	81.9
Total	Lumens	5625.0	0.0	5625.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.0	1.5
10°-20°	215.7	3.8
20°-30°	345.6	6.1
30°-40°	611.0	10.9
40°-50°	1070.6	19.0
50°-60°	1427.9	25.4
60°-70°	1329.3	23.6
70°-80°	510.2	9.1
80°-90°	31.7	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°	5625.0	100.0
0°-180°	5625.0	100.0

Coefficient of Utilization

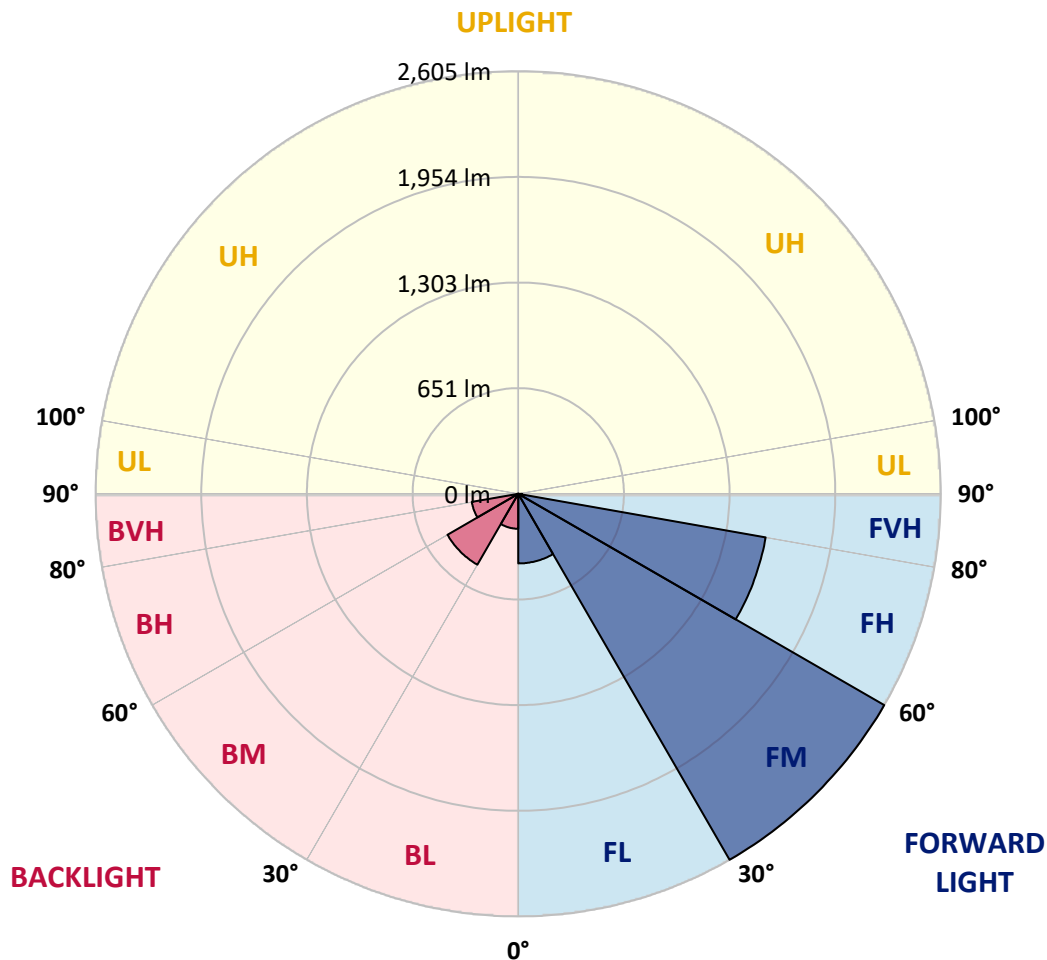


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	429.1	7.6			
FM (30°-60°)	2605.3	46.3			
FH (60°-80°)	1548.6	27.5			G1/1800
FVH (80°-90°)	23.0	0.4			G1/100
BL (0°-30°)	215.2	3.8	B1/500		
BM (30°-60°)	504.3	9.0	B1/1000		
BH (60°-80°)	290.8	5.2	B1/500		G1/500
BVH (80°-90°)	8.6	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	931.9	931.9	931.9	931.9	931.9	931.9	931.9	931.9	931.9	931.9
2.5°	984.9	990.6	987.4	985.7	982.9	978.9	975.6	965.5	955.0	948.1
5°	1004.8	1010.4	1010.0	1011.7	1013.7	1014.9	1014.1	1002.7	987.8	976.0
7.5°	987.8	994.2	999.5	1007.6	1021.8	1036.8	1044.1	1041.6	1026.2	1010.0
10°	939.6	946.5	959.0	978.0	1008.0	1040.4	1067.5	1080.1	1070.4	1052.6
12.5°	851.3	858.2	882.9	924.2	974.4	1030.7	1082.5	1116.1	1118.6	1100.8
15°	752.1	758.9	785.3	837.1	913.6	1004.0	1090.6	1154.2	1175.7	1160.3
17.5°	690.5	696.6	716.4	758.1	837.9	950.5	1087.8	1194.7	1243.7	1231.6
20°	671.9	677.1	686.5	715.6	782.0	895.0	1069.2	1232.8	1317.0	1310.1
22.5°	691.7	696.6	699.4	712.4	754.1	858.6	1045.7	1271.7	1402.1	1402.9
25°	737.5	742.3	739.1	747.2	765.4	847.2	1036.8	1317.4	1509.0	1517.9
27.5°	812.8	813.2	805.5	805.1	807.9	864.2	1046.1	1366.4	1643.8	1660.4
30°	963.9	957.8	928.2	896.2	881.7	915.3	1072.0	1424.3	1803.0	1832.6
32.5°	1196.7	1187.8	1133.6	1057.0	980.1	997.5	1118.6	1490.3	1976.3	2029.8
35°	1449.4	1447.0	1390.3	1276.5	1142.1	1114.5	1194.3	1577.0	2165.5	2250.5
37.5°	1684.3	1683.1	1650.7	1516.7	1353.1	1277.7	1315.8	1690.4	2368.0	2491.1
40°	1899.0	1902.6	1870.2	1750.3	1585.5	1487.1	1481.0	1830.5	2593.1	2753.1
42.5°	2084.5	2088.5	2055.7	1967.0	1815.1	1718.8	1683.9	2002.2	2813.0	3034.6
45°	2210.4	2235.5	2230.7	2159.8	2050.8	1950.8	1927.7	2217.7	3063.7	3333.0
47.5°	2246.1	2269.1	2305.6	2315.3	2248.9	2150.5	2178.0	2477.3	3317.2	3631.9
50°	2158.2	2179.6	2255.4	2356.2	2402.4	2372.0	2421.4	2755.5	3576.8	3930.0
52.5°	1984.8	2006.7	2102.3	2261.8	2450.2	2545.7	2665.6	3029.7	3828.3	4212.3
55°	1734.1	1757.2	1879.9	2060.6	2359.0	2617.4	2869.3	3303.5	4058.8	4466.2
57.5°	1393.2	1410.2	1537.7	1790.4	2129.8	2546.1	3019.6	3602.3	4275.8	4715.7
60°	908.0	923.0	1071.2	1353.1	1749.9	2308.0	3049.5	3935.7	4564.2	5040.0
62.5°	603.8	614.0	701.8	908.8	1232.4	1850.8	2874.2	4201.7	4987.0	5604.6
65°	414.3	424.4	512.3	656.5	796.2	1224.3	2370.0	4166.5	5370.1	6052.9
67.5°	295.6	304.1	378.7	514.7	576.3	711.2	1606.6	3716.1	5315.0	6069.9
70°	211.8	216.7	278.2	400.9	458.0	427.3	893.4	2842.2	4653.7	5605.0
72.5°	148.2	149.8	193.2	305.4	368.9	311.8	425.2	1894.9	3519.7	4399.4
75°	100.4	102.5	130.0	224.0	296.0	238.1	225.2	1016.1	2066.2	2435.2
77.5°	61.6	62.4	83.8	153.1	221.5	181.4	145.0	430.5	799.4	784.9
80°	34.8	34.8	53.5	95.2	151.1	117.0	101.7	183.1	253.1	222.3
82.5°	19.4	19.8	38.9	59.1	100.0	69.3	55.9	84.6	109.3	96.8
85°	8.1	8.9	23.9	27.9	47.8	34.4	22.7	35.6	40.5	36.0
87.5°	0.8	1.2	7.3	5.3	5.7	6.9	3.2	6.9	5.7	5.7
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°
931.9	0°	931.9	931.9	931.9	931.9	931.9	931.9	931.9	931.9	931.9	931.9
945.6	2.5°	937.9	931.9	916.5	898.7	875.2	863.8	848.4	837.9	829.0	829.8
969.1	5°	956.2	940.8	906.4	863.4	810.0	771.9	731.4	703.5	680.8	675.9
1001.5	7.5°	981.3	957.0	896.6	819.3	729.0	660.5	599.4	560.1	532.2	523.2
1040.8	10°	1013.7	978.4	884.1	763.8	633.8	546.7	481.1	450.3	431.3	424.8
1087.0	12.5°	1051.3	1003.1	867.5	696.2	535.8	452.0	410.3	394.9	388.8	386.8
1143.7	15°	1098.7	1033.9	842.4	616.0	452.8	394.1	376.2	374.2	375.0	374.2
1211.7	17.5°	1155.0	1067.5	801.5	533.4	396.9	364.5	358.0	359.6	361.7	361.2
1287.9	20°	1216.6	1100.8	749.2	460.1	358.8	343.4	339.8	341.4	343.0	342.2
1375.7	22.5°	1286.6	1136.4	691.3	403.0	333.3	324.0	319.9	320.3	320.3	318.7
1487.1	25°	1370.5	1175.7	630.6	362.5	313.9	306.6	301.7	300.1	297.7	292.8
1622.4	27.5°	1470.5	1217.4	572.2	334.1	298.5	291.6	285.9	281.9	275.8	267.7
1784.8	30°	1583.1	1268.0	522.8	316.3	286.3	279.4	273.0	266.9	258.0	247.9
1971.5	32.5°	1715.5	1322.3	486.8	304.5	275.4	268.1	260.4	253.1	243.4	233.3
2181.3	35°	1873.5	1387.9	465.7	296.4	266.9	257.2	248.7	240.6	233.3	224.4
2409.3	37.5°	2044.8	1457.5	459.3	292.4	261.2	246.2	236.5	230.8	230.0	224.8
2655.9	40°	2232.3	1540.2	464.1	290.0	255.1	235.7	225.2	224.0	226.0	216.7
2919.5	42.5°	2430.7	1638.2	472.2	287.1	246.6	225.2	215.0	215.0	213.4	200.5
3198.2	45°	2645.4	1751.2	480.3	280.3	236.5	214.6	206.9	204.1	197.2	184.7
3478.4	47.5°	2861.6	1866.2	486.4	267.7	224.4	205.7	198.8	192.4	182.2	170.9
3753.4	50°	3067.0	1969.4	479.9	249.1	210.6	197.2	189.9	181.0	170.1	162.4
4013.8	52.5°	3250.4	2058.9	452.4	227.2	196.0	188.3	181.8	172.5	163.6	155.5
4248.7	55°	3410.0	2131.4	403.8	206.5	183.1	180.6	174.1	162.4	150.2	143.4
4481.6	57.5°	3563.1	2186.5	343.0	189.5	171.3	172.1	162.4	151.9	140.5	133.2
4795.4	60°	3766.8	2260.2	281.5	173.7	158.8	161.2	150.7	143.0	128.8	119.5
5333.7	62.5°	4092.4	2374.8	223.6	154.3	144.2	145.0	140.5	131.2	114.2	103.3
5732.6	65°	4350.8	2332.7	176.2	133.2	127.6	128.8	128.8	118.7	100.4	87.9
5754.0	67.5°	4321.6	1997.4	140.5	112.6	111.8	112.6	115.4	106.9	89.1	79.0
5315.8	70°	3981.0	1588.8	112.6	93.6	97.2	95.2	103.3	97.6	80.2	70.1
4121.1	72.5°	3248.4	1144.5	85.9	77.4	74.5	77.8	93.1	87.9	66.8	55.5
2182.9	75°	1898.2	610.7	64.0	61.2	53.9	64.8	82.6	74.9	51.0	40.9
669.0	77.5°	618.0	213.0	47.0	45.0	40.1	52.2	70.5	63.2	41.7	32.4
196.0	80°	165.6	64.4	32.0	29.6	25.9	38.9	55.9	50.2	30.0	21.1
84.2	82.5°	66.4	27.1	18.6	16.6	14.2	26.7	44.1	40.5	22.3	13.4
26.3	85°	21.5	8.9	6.9	5.3	6.5	16.6	26.3	27.5	15.8	6.9
4.0	87.5°	2.8	1.2	1.2	1.6	1.2	2.8	8.1	7.7	4.5	0.8
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

180°
931.9
821.7
665.0
514.3
420.0
385.5
373.8
360.4
341.8
317.9
292.0
266.9
247.0
233.7
223.6
224.4
217.1
200.5
184.3
170.5
161.2
154.7
142.6
132.4
118.3
102.5
86.7
77.4
68.8
54.3
39.7
31.2
20.7
13.4
5.3
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