

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: P846208

Luminaire Tested: **GLAN-SB1D-722-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846208
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1D-722-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7965 lumens
Efficiency: N/A
Efficacy: 100.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

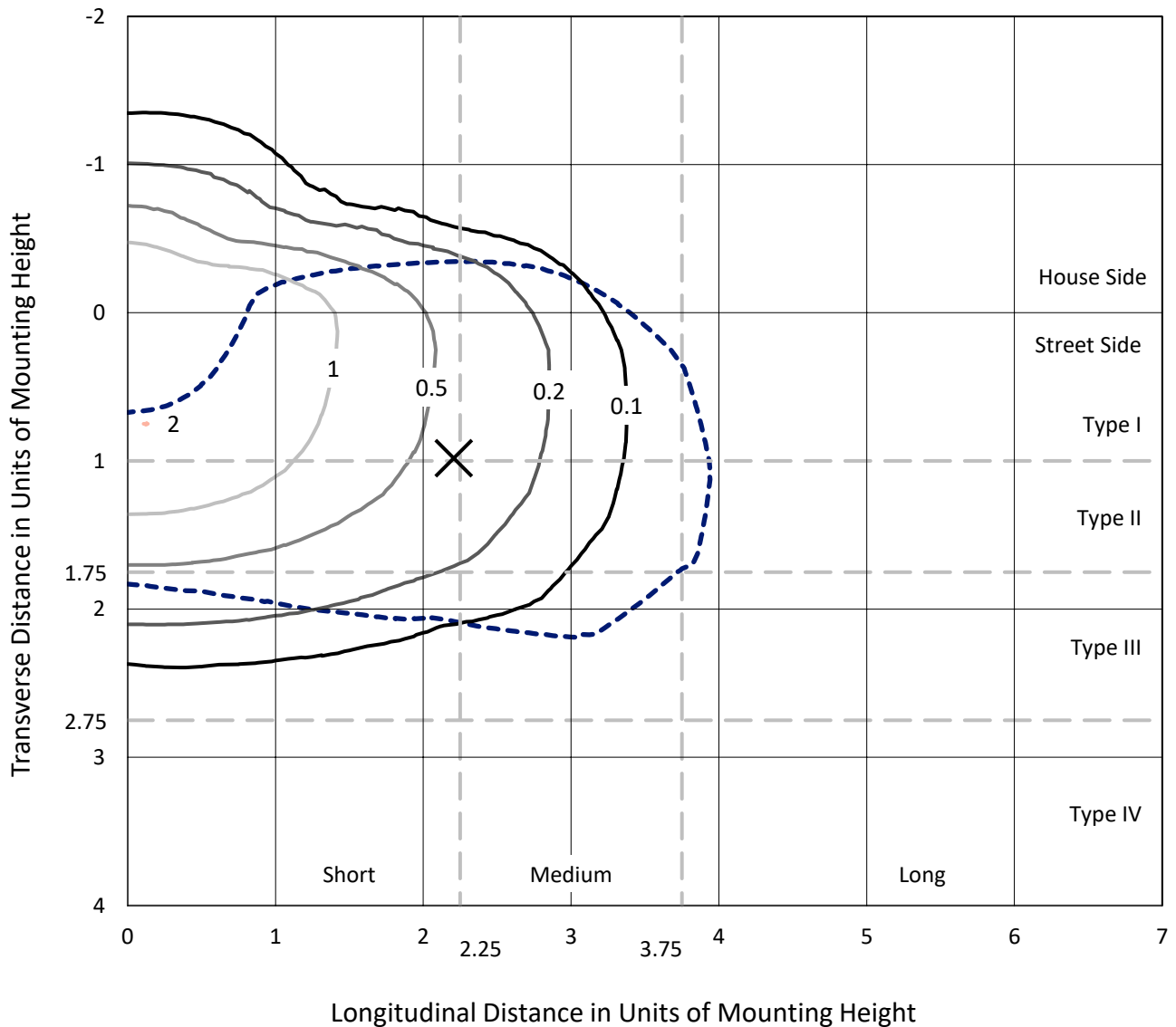
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

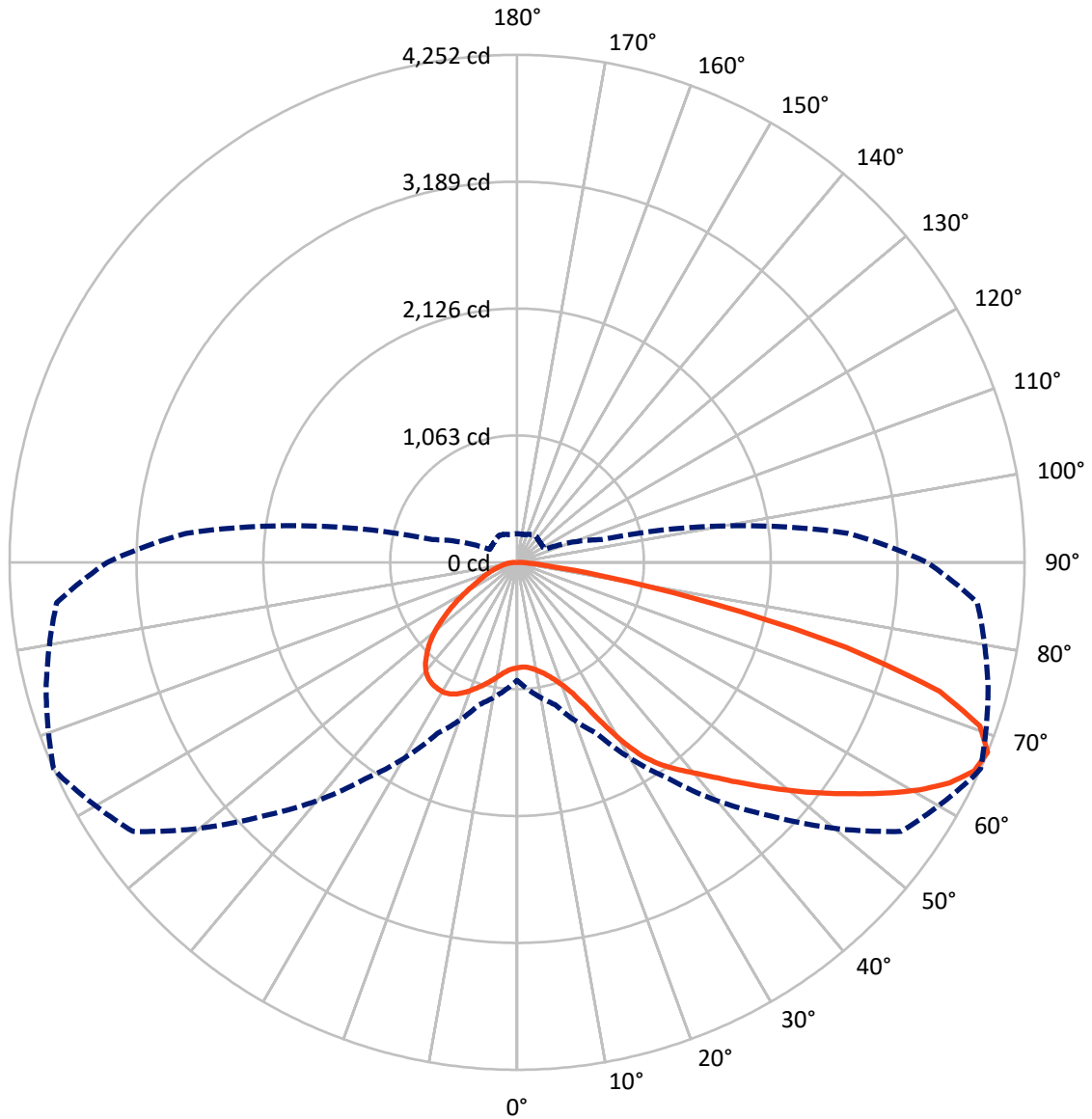
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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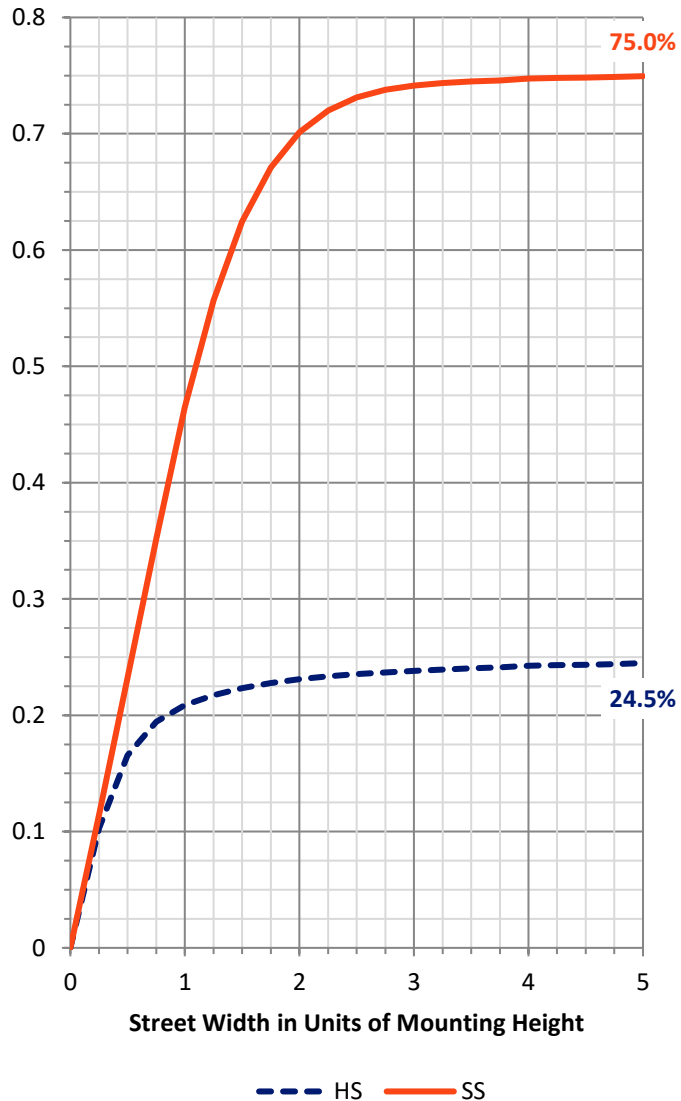
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1980.5	0.0	1980.5
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	5984.5	0.0	5984.5
	% Fixture	75.1	0.0	75.1
Total	Lumens	7965.0	0.0	7965.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.6	1.1
10°-20°	289.4	3.6
20°-30°	557.8	7.0
30°-40°	978.0	12.3
40°-50°	1453.9	18.3
50°-60°	1843.0	23.1
60°-70°	1803.3	22.6
70°-80°	860.2	10.8
80°-90°	91.9	1.2
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°	7965.0	100.0
0°-180°	7965.0	100.0

Coefficient of Utilization



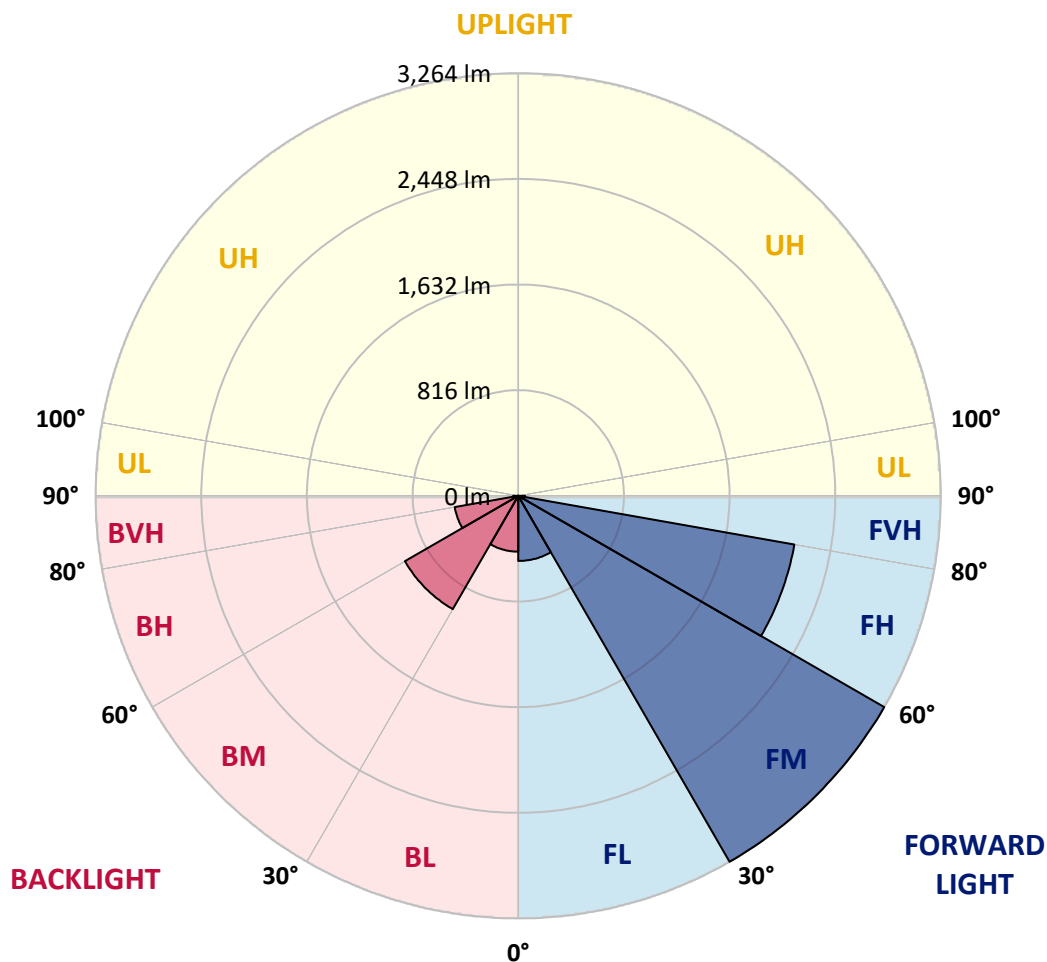
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	503.3	6.3			
FM (30°-60°)	3264.0	41.0			
FH (60°-80°)	2165.1	27.2			G2/5000
FVH (80°-90°)	52.1	0.7			G1/100
BL (0°-30°)	431.4	5.4	B1/500		
BM (30°-60°)	1010.8	12.7	B2/2500		
BH (60°-80°)	498.4	6.3	B1/500		G1/500
BVH (80°-90°)	39.8	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	883.4	883.4	883.4	883.4	883.4	883.4	883.4	883.4	883.4	883.4
2.5°	874.2	879.2	878.0	875.9	875.5	876.3	877.6	878.8	878.4	880.5
5°	871.7	876.7	876.3	876.3	878.0	881.3	883.4	885.5	883.4	885.9
7.5°	873.4	877.1	878.8	880.5	884.7	891.0	896.0	900.6	898.1	901.0
10°	894.7	897.7	899.3	899.3	902.3	909.4	914.4	922.8	920.7	925.3
12.5°	933.6	936.6	936.6	934.9	937.0	941.6	943.3	952.5	948.7	956.2
15°	981.3	987.2	982.6	979.7	980.5	985.1	984.7	991.8	988.0	994.3
17.5°	1034.1	1041.6	1034.1	1033.7	1032.0	1037.0	1037.4	1043.7	1037.0	1041.6
20°	1096.4	1106.9	1100.6	1102.7	1098.9	1101.0	1103.1	1112.3	1101.9	1105.2
22.5°	1184.3	1196.9	1190.2	1198.1	1195.6	1193.9	1193.5	1209.8	1193.5	1194.8
25°	1312.4	1327.4	1315.7	1326.6	1326.6	1332.0	1338.3	1359.2	1332.0	1324.1
27.5°	1501.5	1516.6	1493.6	1500.3	1498.2	1511.6	1504.9	1556.8	1527.5	1514.5
30°	1729.2	1756.0	1712.4	1710.8	1708.7	1730.0	1739.6	1774.0	1744.2	1731.3
32.5°	1975.3	2003.3	1951.4	1936.3	1928.4	1941.4	1933.4	1961.0	1940.5	1920.4
35°	2235.6	2263.2	2213.8	2184.5	2152.7	2125.5	2097.0	2104.1	2084.9	2054.3
37.5°	2481.6	2532.3	2479.9	2448.6	2390.0	2336.8	2257.3	2224.3	2206.3	2178.2
40°	2732.3	2761.2	2721.4	2694.6	2631.0	2547.7	2420.5	2350.6	2326.4	2299.2
42.5°	2916.8	2944.5	2923.1	2904.7	2854.9	2758.2	2593.8	2506.3	2471.2	2440.6
45°	3063.3	3083.8	3070.4	3077.1	3055.8	2962.0	2773.3	2673.3	2636.9	2599.6
47.5°	3122.3	3144.1	3165.4	3205.2	3241.6	3172.5	2966.2	2854.1	2815.6	2777.5
50°	3115.6	3137.8	3199.7	3284.3	3397.3	3374.3	3169.6	3046.6	3011.0	2967.5
52.5°	3062.1	3087.2	3166.7	3307.3	3487.2	3525.3	3376.8	3245.4	3211.9	3160.0
55°	2921.5	2936.5	3055.8	3255.0	3508.6	3630.8	3579.7	3457.1	3423.6	3351.2
57.5°	2660.7	2682.5	2856.2	3114.0	3455.0	3702.3	3758.0	3679.7	3647.5	3543.3
60°	2320.5	2355.2	2554.0	2877.1	3318.6	3701.9	3920.0	3898.6	3871.8	3732.5
62.5°	1935.5	1975.7	2166.9	2542.3	3080.1	3596.9	4021.2	4081.9	4068.1	3907.0
65°	1486.5	1514.1	1704.5	2109.2	2708.9	3371.3	4032.9	4207.0	4209.5	4039.6
67.5°	989.7	1069.2	1234.5	1582.7	2211.7	3002.6	3930.0	4227.5	4251.8	4085.3
70°	482.9	587.6	749.5	1028.6	1582.7	2437.3	3660.9	4059.3	4113.3	3952.2
72.5°	200.5	234.4	322.7	507.6	908.5	1644.6	3120.2	3603.2	3703.2	3501.9
75°	135.2	146.5	184.6	260.3	413.9	811.0	2250.2	2686.7	2847.8	2644.8
77.5°	104.2	111.3	134.3	182.0	246.1	306.8	1204.4	1619.1	1702.4	1576.0
80°	82.0	87.5	100.4	132.7	174.5	164.0	410.5	733.6	781.7	655.8
82.5°	71.1	73.2	72.0	90.0	115.9	95.8	134.8	270.8	298.8	216.8
85°	51.5	57.3	59.8	55.7	61.5	48.5	55.2	95.8	105.5	94.2
87.5°	20.9	31.0	38.1	36.0	22.6	13.8	17.2	28.0	32.2	35.2
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°
883.4	0°	883.4	883.4	883.4	883.4	883.4	883.4	883.4	883.4	883.4	883.4
883.8	2.5°	884.3	887.2	889.3	891.8	893.5	896.0	901.0	903.9	904.3	906.4
890.5	5°	892.2	896.4	901.0	907.7	915.2	921.5	931.1	937.8	940.3	942.4
906.9	7.5°	909.4	915.2	923.6	935.3	946.2	954.6	966.3	974.2	982.2	985.1
932.8	10°	934.9	943.3	955.4	971.3	983.0	993.9	1006.0	1012.7	1020.7	1024.0
963.8	12.5°	966.7	975.5	991.4	1013.6	1024.5	1032.0	1036.2	1034.5	1036.2	1039.1
1001.0	15°	1003.1	1012.7	1030.7	1054.6	1062.1	1055.4	1046.2	1037.8	1036.6	1037.4
1046.2	17.5°	1046.2	1053.3	1074.3	1094.3	1088.9	1061.3	1041.2	1027.8	1021.1	1019.0
1104.0	20°	1106.5	1106.5	1123.6	1136.2	1099.8	1052.9	1021.5	999.8	986.0	980.1
1182.6	22.5°	1179.7	1173.0	1183.9	1175.1	1097.7	1029.5	986.0	948.3	927.4	919.0
1292.7	25°	1272.6	1264.7	1261.7	1207.3	1082.6	992.2	921.5	875.9	857.5	852.9
1451.3	27.5°	1412.8	1392.7	1354.6	1224.9	1055.0	933.6	846.2	803.9	793.4	793.9
1655.1	30°	1599.5	1559.3	1466.0	1227.8	1009.8	850.8	769.2	739.0	734.0	736.1
1826.3	32.5°	1772.3	1734.2	1579.8	1214.4	940.3	769.6	700.1	680.0	672.5	675.0
1956.8	35°	1907.9	1897.4	1685.2	1195.6	855.0	693.4	638.2	621.0	606.4	603.0
2079.9	37.5°	2035.9	2031.7	1764.3	1169.2	770.4	639.4	588.4	565.8	544.5	532.7
2215.9	40°	2176.5	2172.4	1816.2	1128.7	695.5	592.6	543.6	513.9	487.5	466.2
2369.9	42.5°	2334.7	2310.0	1840.9	1070.5	631.9	552.8	507.2	467.0	432.3	412.6
2544.0	45°	2507.6	2451.9	1840.5	996.4	578.3	516.4	468.3	411.4	379.1	360.7
2722.7	47.5°	2690.9	2587.5	1817.9	914.4	526.5	476.2	408.0	364.5	343.2	331.9
2916.8	50°	2880.0	2714.3	1779.4	820.2	473.3	430.6	370.4	340.6	324.3	313.9
3109.4	52.5°	3057.9	2829.4	1733.0	713.5	419.3	386.3	353.6	330.6	313.4	301.7
3296.0	55°	3223.2	2928.6	1667.2	604.3	375.4	356.5	345.7	326.4	306.8	292.9
3485.6	57.5°	3370.1	2993.0	1553.8	501.8	344.0	336.0	337.3	319.3	296.7	285.0
3672.2	60°	3492.3	3040.3	1386.0	406.8	318.5	316.0	324.3	305.9	279.5	266.2
3830.0	62.5°	3565.5	3039.5	1180.1	333.1	296.7	297.5	307.2	289.2	262.4	249.8
3912.4	65°	3559.2	2965.0	954.1	285.0	275.8	276.6	289.2	270.8	248.2	240.6
3871.0	67.5°	3433.3	2783.3	731.9	253.6	252.8	256.5	271.2	258.2	239.4	238.5
3624.1	70°	3092.2	2406.3	527.3	228.5	228.9	234.4	253.6	250.3	234.8	236.4
3047.0	72.5°	2479.5	1834.6	354.0	202.1	202.5	211.3	236.9	244.0	230.2	252.3
2161.9	75°	1651.3	1144.1	227.7	174.1	174.5	185.8	222.2	231.8	217.6	251.5
1124.9	77.5°	793.4	514.3	164.9	146.5	146.5	156.9	192.1	207.6	185.4	195.4
361.6	80°	274.1	193.3	129.7	118.0	115.5	122.6	162.0	179.9	159.9	147.3
118.0	82.5°	108.0	100.4	104.2	91.6	83.3	87.9	126.0	148.6	117.6	106.3
66.5	85°	61.9	65.3	73.7	60.7	48.1	54.0	92.5	106.7	88.7	78.3
21.8	87.5°	16.7	23.0	33.9	31.4	21.8	23.0	43.9	59.0	51.1	39.3
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°
883.4
906.0
942.0
985.5
1025.7
1039.9
1040.4
1021.9
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795.1
743.2
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605.5
533.2
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413.9
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310.1
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138.1
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40.6
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