

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: P846326

Luminaire Tested: **GLAN-SB1D-927-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846326
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-SB1D-927-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6495 lumens
Efficiency: N/A
Efficacy: 81.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

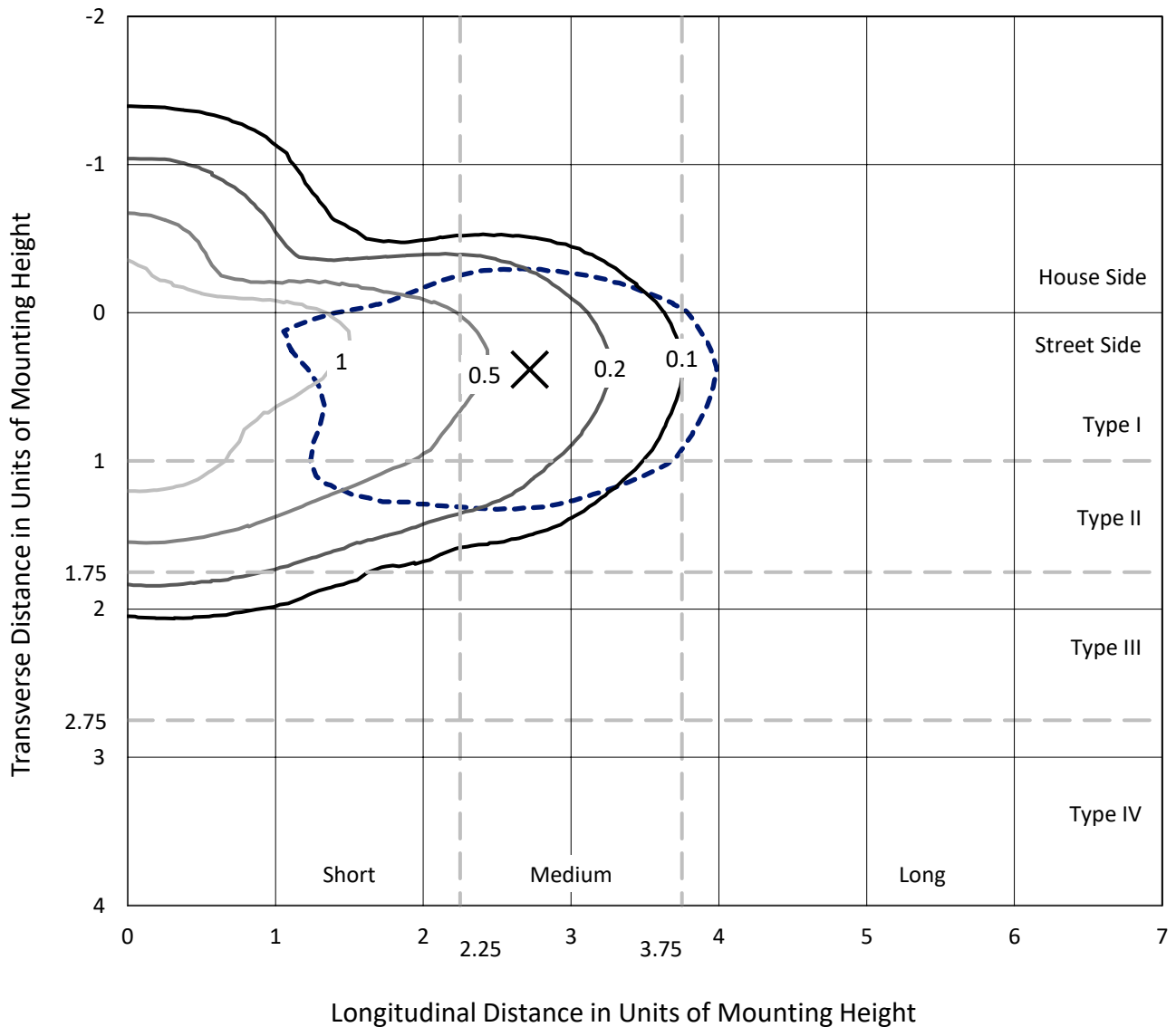
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

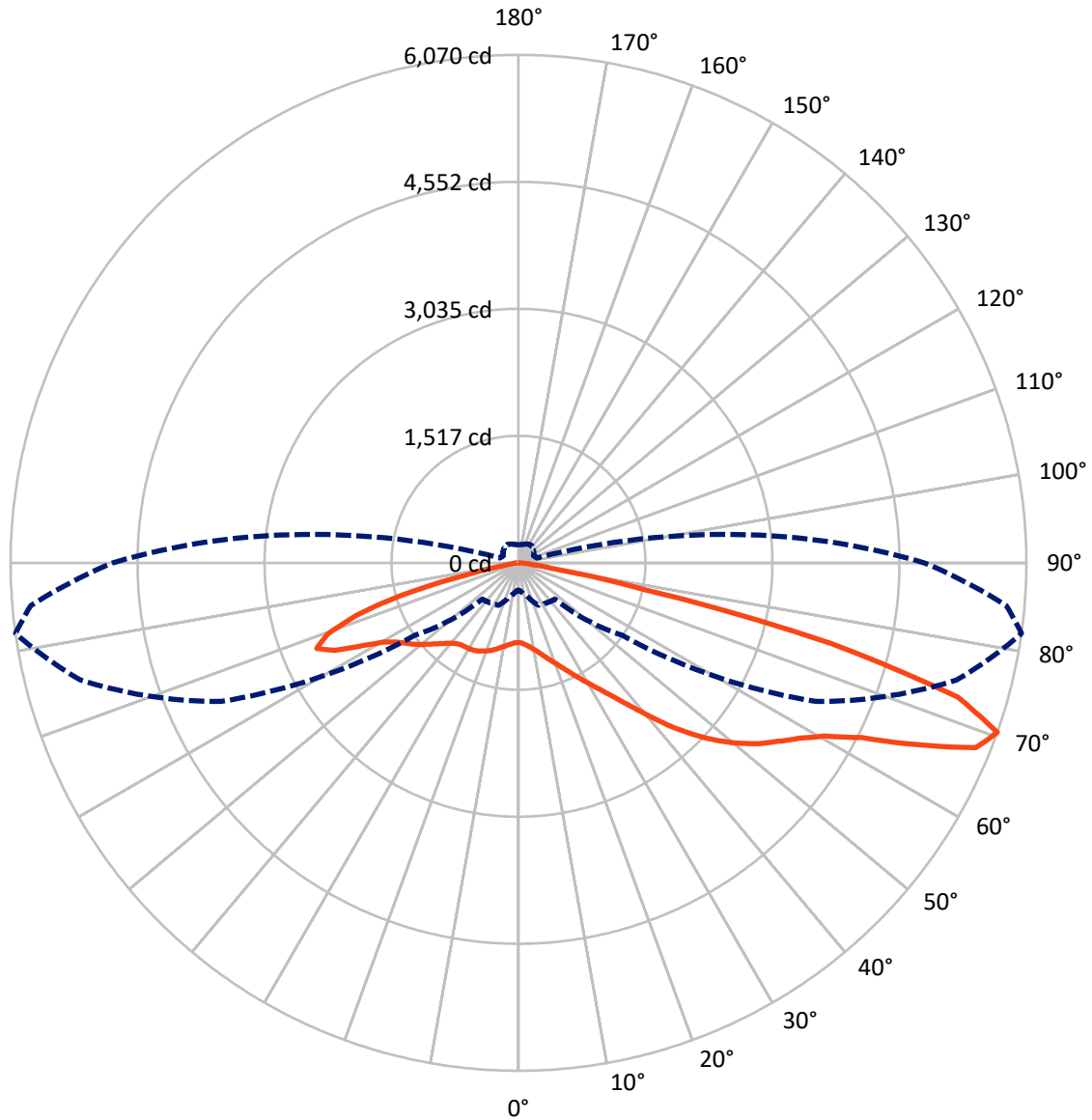
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 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	1601.2	0.0	1601.2
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	4893.8	0.0	4893.8
	% Fixture	75.3	0.0	75.3
Total	Lumens	6495.0	0.0	6495.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.9	1.4
10°-20°	258.3	4.0
20°-30°	432.1	6.7
30°-40°	675.1	10.4
40°-50°	1075.2	16.6
50°-60°	1496.2	23.0
60°-70°	1565.1	24.1
70°-80°	818.0	12.6
80°-90°	84.9	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°	6495.0	100.0
0°-180°	6495.0	100.0

Coefficient of Utilization



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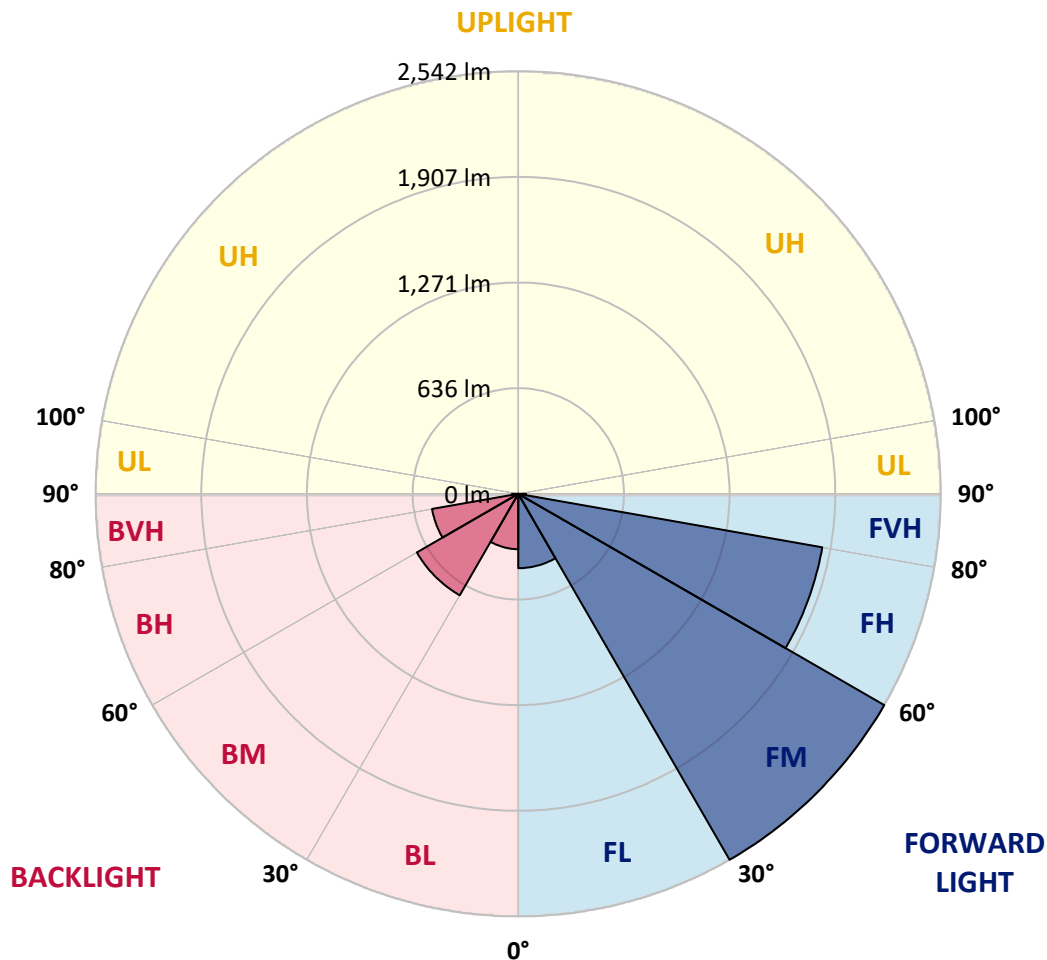
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	447.3	6.9			
FM (30°-60°)	2542.1	39.1			
FH (60°-80°)	1856.9	28.6			G2/5000
FVH (80°-90°)	47.6	0.7			G1/100
BL (0°-30°)	333.1	5.1	B1/500		
BM (30°-60°)	704.5	10.8	B1/1000		
BH (60°-80°)	526.2	8.1	B2/1000		G2/1000
BVH (80°-90°)	37.4	0.6			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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	952.2	952.2	952.2	952.2	952.2	952.2	952.2	952.2	952.2	952.2
2.5°	975.0	980.5	978.8	977.1	977.1	974.7	974.3	970.9	968.1	963.6
5°	987.4	993.3	992.6	994.0	998.4	999.5	1000.5	998.4	992.9	987.4
7.5°	976.4	982.9	985.0	993.3	1007.0	1019.5	1028.8	1032.6	1027.4	1019.5
10°	939.2	946.4	953.6	973.3	997.7	1027.0	1051.9	1066.7	1065.6	1058.1
12.5°	863.7	871.3	886.8	925.0	969.8	1021.5	1067.7	1098.7	1109.4	1103.9
15°	803.4	809.9	821.6	860.9	919.2	997.7	1073.6	1133.9	1161.1	1158.0
17.5°	801.6	804.4	811.6	830.2	875.0	960.5	1067.4	1168.3	1220.4	1220.0
20°	832.0	833.0	837.1	840.9	866.4	932.3	1051.5	1196.9	1286.9	1286.9
22.5°	874.0	873.3	877.5	874.0	886.4	929.8	1041.5	1222.1	1361.0	1366.5
25°	937.1	933.6	932.6	924.7	927.1	952.2	1052.5	1250.7	1448.9	1460.3
27.5°	1021.2	1015.7	1011.9	993.6	987.4	998.4	1086.3	1285.2	1546.8	1566.4
30°	1130.8	1120.8	1115.3	1083.6	1061.2	1062.9	1137.3	1331.0	1649.1	1680.8
32.5°	1280.3	1264.8	1250.0	1198.0	1157.0	1143.5	1203.1	1394.4	1760.1	1810.8
35°	1447.8	1435.4	1419.6	1339.3	1276.2	1245.2	1292.1	1483.0	1890.0	1970.3
37.5°	1609.1	1598.5	1606.0	1497.8	1416.5	1371.3	1408.6	1601.9	2050.3	2168.8
40°	1775.9	1767.7	1768.7	1665.3	1570.5	1519.9	1549.9	1751.1	2234.0	2404.9
42.5°	1957.2	1951.0	1930.3	1838.7	1732.2	1685.0	1712.5	1923.5	2431.1	2673.7
45°	2160.2	2156.4	2137.1	2032.0	1910.0	1856.9	1894.2	2113.7	2629.3	2926.7
47.5°	2335.6	2338.7	2336.3	2247.8	2121.3	2043.4	2087.8	2312.2	2813.7	3164.5
50°	2420.1	2436.3	2460.1	2432.5	2353.9	2274.6	2283.3	2503.8	2989.4	3387.5
52.5°	2376.0	2406.6	2471.4	2515.5	2545.9	2529.3	2506.2	2694.1	3154.9	3588.8
55°	2211.6	2254.7	2362.2	2468.7	2623.4	2743.7	2774.0	2905.0	3316.2	3765.9
57.5°	1912.1	1982.0	2078.5	2293.9	2554.5	2847.4	3086.3	3197.6	3487.1	3955.1
60°	1398.6	1492.3	1612.2	1932.8	2313.2	2792.0	3352.0	3647.0	3730.1	4200.2
62.5°	895.0	952.9	1063.2	1365.1	1802.5	2507.6	3433.3	4208.8	4141.9	4602.0
65°	612.8	650.0	751.0	920.5	1165.2	1866.6	3215.5	4629.9	4796.1	5238.9
67.5°	445.3	473.5	559.7	708.2	759.2	1104.6	2495.2	4610.6	5431.9	5895.1
70°	324.7	344.6	417.0	559.7	584.2	614.5	1511.6	3919.3	5418.1	6069.5
72.5°	240.6	254.3	302.9	434.3	472.9	415.0	748.2	2848.5	4655.8	5489.8
75°	174.0	184.4	220.2	332.2	378.4	316.0	373.2	1664.6	3247.6	3861.7
77.5°	133.0	141.0	164.4	243.3	302.9	237.1	231.6	765.8	1539.9	1547.4
80°	106.8	112.0	124.8	171.3	232.3	177.5	151.0	309.1	486.6	411.8
82.5°	78.6	87.2	105.5	120.3	166.1	122.3	92.0	156.1	185.1	159.2
85°	44.8	50.7	63.8	86.2	106.2	74.8	52.7	69.3	86.2	70.7
87.5°	15.9	20.7	22.4	33.8	46.2	31.0	20.3	20.0	28.3	21.0
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°
952.2	0°	952.2	952.2	952.2	952.2	952.2	952.2	952.2	952.2	952.2	952.2
962.6	2.5°	959.1	957.4	950.5	941.2	931.6	922.3	919.2	912.6	908.1	905.7
985.0	5°	978.4	972.9	956.7	936.1	914.3	890.9	874.4	859.2	848.2	837.8
1015.7	7.5°	1006.0	996.4	968.4	932.3	893.7	854.7	825.8	803.7	788.9	779.2
1051.5	10°	1038.1	1023.2	980.5	926.4	866.8	810.9	776.8	757.9	748.6	743.4
1092.5	12.5°	1074.9	1053.9	992.9	913.0	825.8	762.0	738.6	733.1	733.4	733.7
1144.2	15°	1120.4	1091.1	1002.9	883.7	772.3	724.4	720.3	729.3	738.6	743.1
1202.8	17.5°	1171.8	1130.4	1004.6	835.4	720.0	700.3	713.4	732.7	746.8	753.0
1268.3	20°	1226.9	1170.4	992.2	767.2	676.9	680.7	704.1	728.9	744.4	752.4
1343.1	22.5°	1290.0	1213.1	962.6	695.5	641.7	659.3	686.9	711.0	727.2	735.1
1431.0	25°	1362.0	1261.0	916.1	635.2	611.4	635.2	662.7	682.7	695.8	703.1
1529.2	27.5°	1442.0	1311.0	854.0	587.3	584.9	610.4	633.1	648.6	655.5	661.0
1633.6	30°	1522.3	1356.5	778.9	551.1	561.8	585.9	602.1	609.0	611.1	612.1
1750.1	32.5°	1609.1	1395.8	700.0	521.1	539.7	562.1	571.8	574.9	565.2	558.7
1891.4	35°	1714.3	1437.9	622.8	497.3	518.0	537.3	540.4	537.6	526.3	512.8
2068.5	37.5°	1844.2	1490.2	561.1	480.4	497.7	510.4	506.6	505.9	507.0	491.1
2281.5	40°	2003.4	1558.5	515.9	467.3	481.1	483.9	473.2	479.1	484.2	460.1
2515.2	42.5°	2180.2	1640.8	487.3	458.4	467.3	460.8	444.2	450.8	450.1	418.4
2749.9	45°	2360.5	1730.5	477.3	451.8	454.6	441.5	423.2	424.9	410.5	381.9
2975.0	47.5°	2539.7	1826.6	483.5	446.3	438.7	423.9	409.8	402.2	380.8	359.5
3190.7	50°	2715.4	1927.6	506.3	435.3	417.0	408.4	398.1	384.6	361.9	343.6
3394.7	52.5°	2878.5	2029.3	531.8	417.0	389.8	395.0	388.4	372.9	350.5	331.9
3587.7	55°	3032.9	2130.9	541.8	391.9	364.3	383.2	379.5	350.8	324.0	308.8
3789.7	57.5°	3201.0	2253.3	530.8	359.8	343.6	369.8	355.3	323.6	308.1	296.7
4052.7	60°	3434.0	2445.2	507.0	320.2	324.0	349.8	325.0	311.9	295.0	282.3
4446.9	62.5°	3821.1	2803.3	468.7	280.9	300.9	320.2	310.5	297.4	280.2	267.8
5121.0	65°	4393.2	3301.0	396.7	250.2	275.0	291.2	295.0	281.9	264.0	250.9
5711.8	67.5°	4875.7	3613.2	300.2	224.7	248.5	267.8	278.5	265.7	246.8	234.0
5850.0	70°	4849.1	3386.5	229.2	199.5	225.1	244.7	258.5	248.5	228.2	216.1
5313.7	72.5°	4307.0	2833.0	185.4	174.0	201.3	220.6	237.1	229.5	208.9	197.1
3892.7	75°	3164.2	2011.0	148.2	148.2	171.6	195.4	213.7	208.9	189.9	181.6
1634.3	77.5°	1333.8	843.7	116.1	123.0	142.7	167.8	190.6	192.3	175.8	186.1
432.2	80°	354.6	232.6	88.6	96.8	112.0	138.5	165.8	165.1	147.2	137.5
160.6	82.5°	135.1	91.7	63.1	68.2	81.0	106.2	131.3	135.4	117.5	101.7
63.1	85°	52.0	39.3	38.9	41.0	47.2	70.3	99.3	102.7	88.6	75.1
17.6	87.5°	13.4	11.7	14.5	13.8	21.7	37.6	56.9	58.9	54.1	31.4
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

180°
952.2
908.5
842.0
781.3
744.8
734.4
742.7
754.4
754.4
737.2
705.1
663.1
614.5
560.7
513.5
492.2
460.8
418.1
382.9
359.5
342.2
332.2
307.4
295.7
281.6
267.8
251.6
234.4
217.1
197.1
179.2
168.9
127.9
101.7
77.5
44.8
0.0

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