

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: P846056

Luminaire Tested: **GLAN-SB1C-730-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846056
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-SB1C-730-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7170 lumens
Efficiency: N/A
Efficacy: 131.8 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

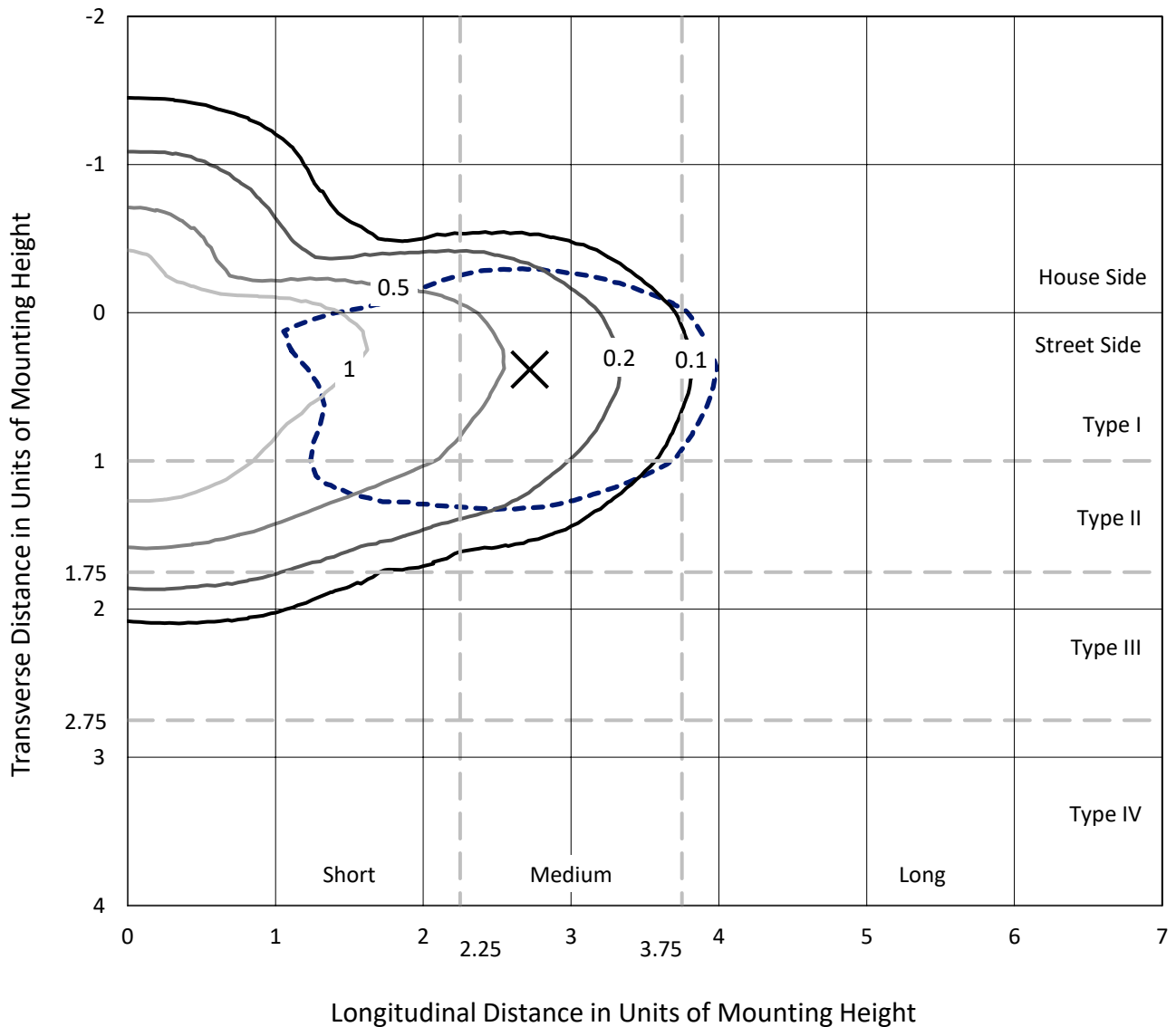
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

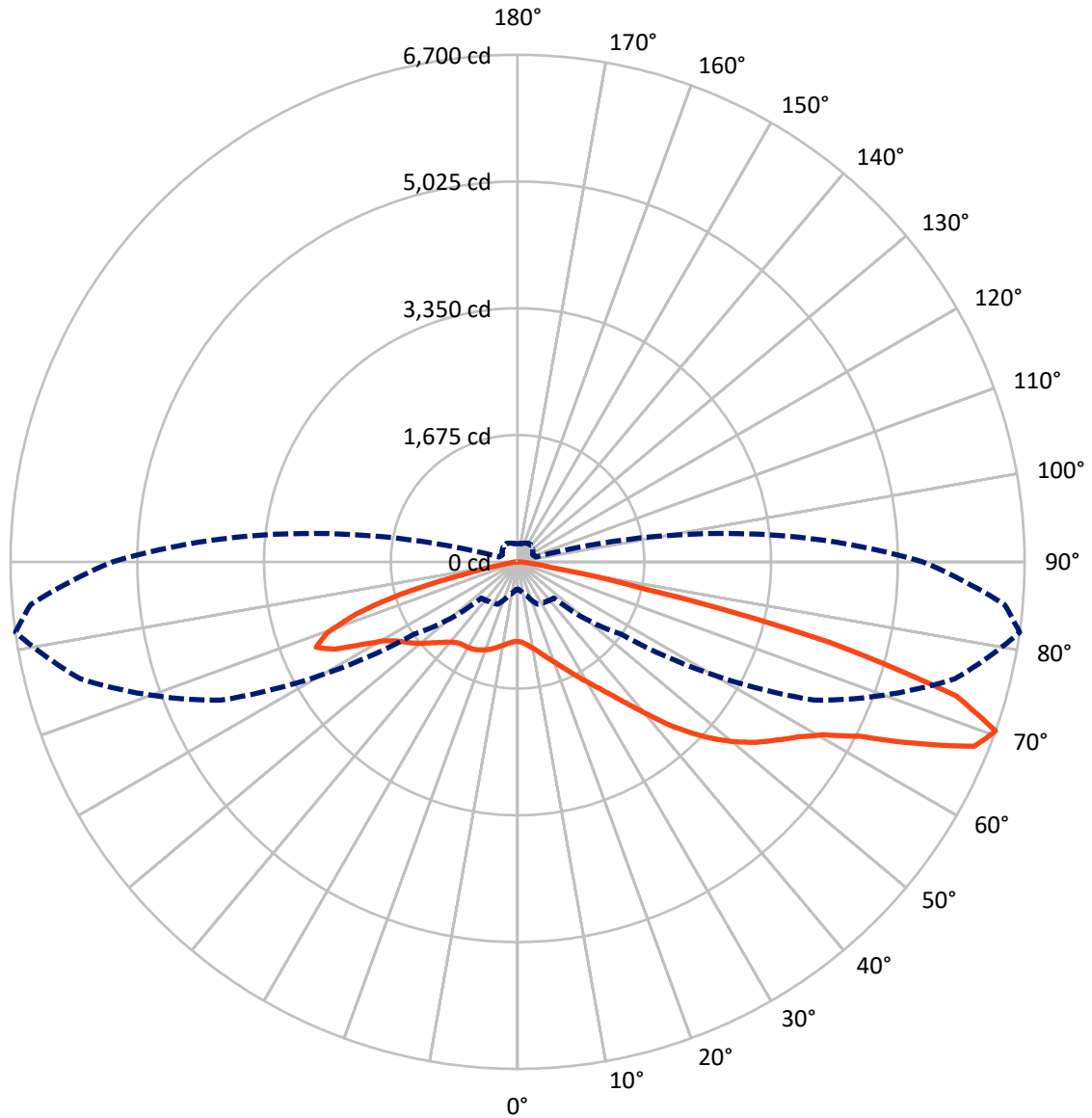
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 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	1767.6	0.0	1767.6
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	5402.4	0.0	5402.4
	% Fixture	75.3	0.0	75.3
Total	Lumens	7170.0	0.0	7170.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.3	1.4
10°-20°	285.2	4.0
20°-30°	477.0	6.7
30°-40°	745.3	10.4
40°-50°	1186.9	16.6
50°-60°	1651.7	23.0
60°-70°	1727.8	24.1
70°-80°	903.0	12.6
80°-90°	93.8	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°	7170.0	100.0
0°-180°	7170.0	100.0

Coefficient of Utilization

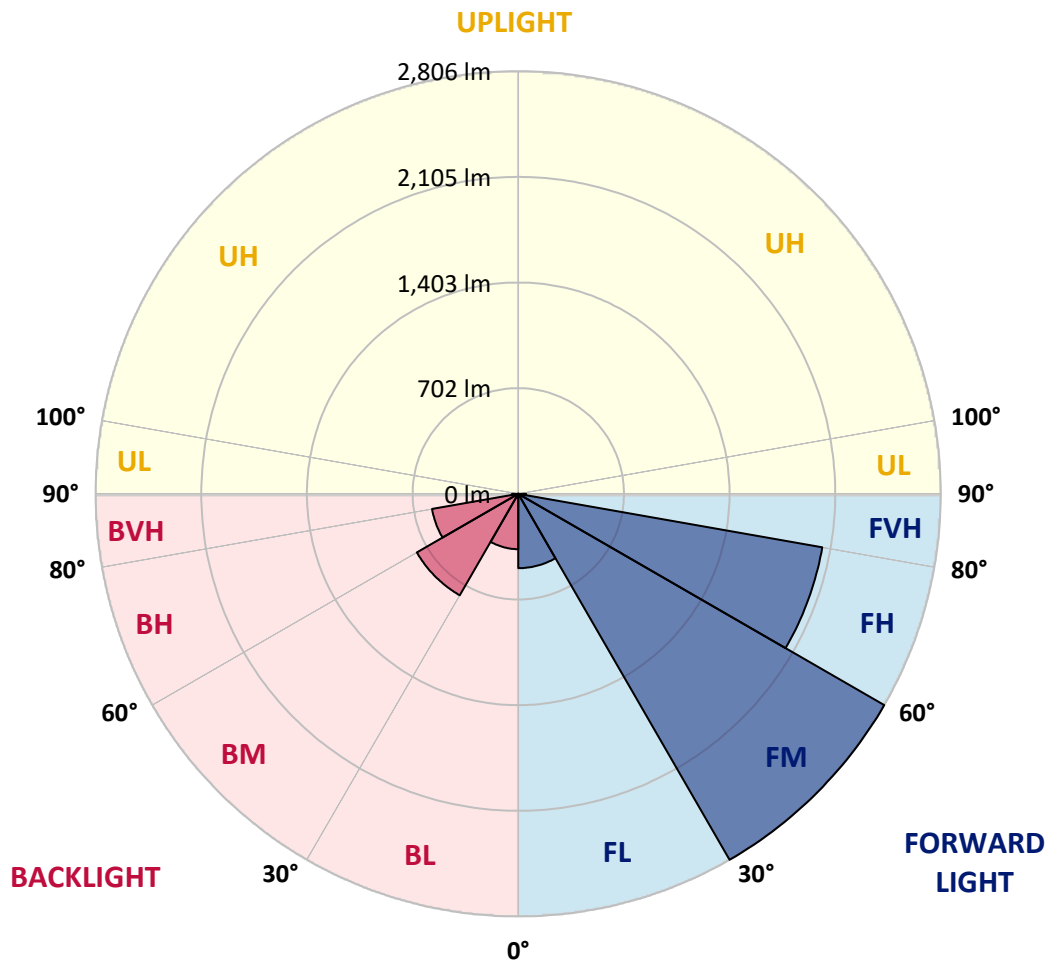


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	493.7	6.9			
FM (30°-60°)	2806.3	39.1			
FH (60°-80°)	2049.9	28.6			G2/5000
FVH (80°-90°)	52.5	0.7			G1/100
BL (0°-30°)	367.7	5.1	B1/500		
BM (30°-60°)	777.7	10.8	B1/1000		
BH (60°-80°)	580.9	8.1	B2/1000		G2/1000
BVH (80°-90°)	41.3	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°	1051.2	1051.2	1051.2	1051.2	1051.2	1051.2	1051.2	1051.2	1051.2	1051.2
2.5°	1076.3	1082.4	1080.5	1078.6	1078.6	1075.9	1075.6	1071.8	1068.7	1063.8
5°	1090.0	1096.5	1095.7	1097.2	1102.2	1103.3	1104.5	1102.2	1096.1	1090.0
7.5°	1077.8	1085.1	1087.4	1096.5	1111.7	1125.4	1135.7	1139.9	1134.2	1125.4
10°	1036.8	1044.7	1052.7	1074.4	1101.4	1133.8	1161.2	1177.5	1176.4	1168.0
12.5°	953.4	961.8	978.9	1021.2	1070.6	1127.7	1178.7	1212.9	1224.7	1218.6
15°	886.9	894.1	907.0	950.4	1014.7	1101.4	1185.1	1251.7	1281.8	1278.3
17.5°	885.0	888.0	896.0	916.5	966.0	1060.3	1178.3	1289.8	1347.2	1346.8
20°	918.4	919.6	924.1	928.3	956.5	1029.1	1160.8	1321.3	1420.6	1420.6
22.5°	964.8	964.1	968.7	964.8	978.5	1026.5	1149.8	1349.1	1502.4	1508.5
25°	1034.5	1030.7	1029.5	1020.8	1023.4	1051.2	1161.9	1380.7	1599.5	1612.0
27.5°	1127.3	1121.2	1117.0	1096.9	1090.0	1102.2	1199.2	1418.7	1707.5	1729.2
30°	1248.3	1237.3	1231.2	1196.2	1171.4	1173.3	1255.5	1469.3	1820.5	1855.5
32.5°	1413.4	1396.3	1379.9	1322.5	1277.2	1262.4	1328.2	1539.3	1943.0	1998.9
35°	1598.3	1584.6	1567.1	1478.5	1408.8	1374.6	1426.3	1637.1	2086.4	2175.1
37.5°	1776.4	1764.6	1772.9	1653.5	1563.7	1513.9	1554.9	1768.4	2263.4	2394.2
40°	1960.5	1951.4	1952.5	1838.4	1733.8	1677.8	1710.9	1933.1	2466.1	2654.9
42.5°	2160.6	2153.8	2131.0	2029.8	1912.2	1860.1	1890.5	2123.3	2683.8	2951.6
45°	2384.7	2380.5	2359.2	2243.2	2108.5	2049.9	2091.0	2333.4	2902.5	3230.9
47.5°	2578.4	2581.8	2579.1	2481.4	2341.7	2255.7	2304.8	2552.5	3106.1	3493.4
50°	2671.6	2689.5	2715.7	2685.3	2598.5	2511.0	2520.5	2764.0	3300.1	3739.5
52.5°	2622.9	2656.8	2728.3	2777.0	2810.5	2792.2	2766.7	2974.1	3482.7	3961.7
55°	2441.4	2489.0	2607.7	2725.2	2896.1	3028.8	3062.3	3206.9	3660.8	4157.3
57.5°	2110.8	2188.0	2294.6	2532.3	2820.0	3143.4	3407.0	3529.9	3849.5	4366.2
60°	1543.9	1647.4	1779.8	2133.6	2553.6	3082.1	3700.4	4026.0	4117.7	4636.7
62.5°	988.1	1052.0	1173.7	1507.0	1989.8	2768.2	3790.1	4646.2	4572.4	5080.3
65°	676.5	717.5	829.0	1016.2	1286.3	2060.6	3549.7	5111.1	5294.5	5783.4
67.5°	491.6	522.8	617.9	781.8	838.2	1219.4	2754.5	5089.8	5996.4	6507.8
70°	358.4	380.5	460.4	617.9	644.9	678.4	1668.7	4326.6	5981.2	6700.3
72.5°	265.6	280.8	334.4	479.4	522.0	458.1	826.0	3144.5	5139.6	6060.4
75°	192.1	203.5	243.1	366.8	417.7	348.9	412.0	1837.6	3585.1	4263.1
77.5°	146.9	155.6	181.5	268.6	334.4	261.8	255.7	845.4	1699.9	1708.3
80°	117.9	123.6	137.7	189.1	256.4	195.9	166.6	341.3	537.2	454.6
82.5°	86.7	96.3	116.4	132.8	183.4	135.1	101.6	172.3	204.3	175.8
85°	49.5	55.9	70.4	95.1	117.2	82.6	58.2	76.5	95.1	78.0
87.5°	17.5	22.8	24.7	37.3	51.0	34.2	22.4	22.1	31.2	23.2
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°
1051.2	0°	1051.2	1051.2	1051.2	1051.2	1051.2	1051.2	1051.2	1051.2	1051.2	1051.2
1062.6	2.5°	1058.8	1056.9	1049.3	1039.0	1028.4	1018.1	1014.7	1007.5	1002.5	999.8
1087.4	5°	1080.1	1074.0	1056.2	1033.3	1009.4	983.5	965.2	948.5	936.3	924.9
1121.2	7.5°	1110.6	1099.9	1069.1	1029.1	986.5	943.5	911.6	887.2	870.9	860.2
1160.8	10°	1145.9	1129.6	1082.4	1022.7	956.9	895.2	857.6	836.6	826.4	820.7
1206.1	12.5°	1186.7	1163.4	1096.1	1007.8	911.6	841.2	815.3	809.2	809.6	810.0
1263.1	15°	1236.9	1204.5	1107.1	975.5	852.6	799.7	795.2	805.1	815.3	820.3
1327.8	17.5°	1293.6	1247.9	1109.0	922.2	794.8	773.1	787.6	808.9	824.5	831.3
1400.1	20°	1354.4	1292.0	1095.3	846.9	747.2	751.4	777.3	804.7	821.8	830.5
1482.7	22.5°	1424.1	1339.2	1062.6	767.8	708.4	727.8	758.3	784.9	802.8	811.5
1579.7	25°	1503.6	1392.1	1011.3	701.2	674.9	701.2	731.6	753.7	768.1	776.1
1688.1	27.5°	1591.8	1447.3	942.8	648.3	645.6	673.8	698.9	716.0	723.6	729.7
1803.4	30°	1680.5	1497.5	859.8	608.4	620.2	646.8	664.7	672.3	674.6	675.7
1932.0	32.5°	1776.4	1540.9	772.7	575.3	595.8	620.5	631.2	634.6	624.0	616.7
2088.0	35°	1892.4	1587.3	687.5	549.0	571.8	593.1	596.6	593.5	581.0	566.1
2283.5	37.5°	2035.8	1645.1	619.4	530.4	549.4	563.5	559.3	558.5	559.7	542.2
2518.6	40°	2211.6	1720.4	569.5	515.9	531.1	534.2	522.4	528.8	534.5	507.9
2776.6	42.5°	2406.8	1811.4	538.0	506.0	515.9	508.7	490.4	497.6	496.9	461.9
3035.7	45°	2605.8	1910.3	526.9	498.8	501.8	487.4	467.2	469.1	453.1	421.5
3284.1	47.5°	2803.6	2016.4	533.8	492.7	484.3	468.0	452.4	444.0	420.4	396.8
3522.3	50°	2997.6	2127.9	558.9	480.5	460.4	450.8	439.4	424.6	399.5	379.3
3747.5	52.5°	3177.6	2240.1	587.1	460.4	430.3	436.0	428.8	411.7	386.9	366.4
3960.6	55°	3348.1	2352.4	598.1	432.6	402.1	423.1	418.9	387.3	357.6	340.9
4183.5	57.5°	3533.7	2487.4	585.9	397.2	379.3	408.2	392.3	357.3	340.1	327.6
4473.8	60°	3790.9	2699.4	559.7	353.4	357.6	386.2	358.8	344.3	325.7	311.6
4909.1	62.5°	4218.2	3094.7	517.4	310.1	332.1	353.4	342.8	328.3	309.3	295.6
5653.3	65°	4849.7	3644.0	437.9	276.2	303.6	321.5	325.7	311.2	291.4	277.0
6305.4	67.5°	5382.4	3988.7	331.4	248.1	274.3	295.6	307.4	293.3	272.4	258.3
6457.9	70°	5353.1	3738.4	253.0	220.3	248.4	270.1	285.3	274.3	251.9	238.5
5865.9	72.5°	4754.6	3127.4	204.7	192.1	222.2	243.5	261.8	253.4	230.6	217.6
4297.3	75°	3493.0	2220.0	163.6	163.6	189.5	215.7	235.9	230.6	209.6	200.5
1804.1	77.5°	1472.4	931.4	128.2	135.8	157.5	185.3	210.4	212.3	194.0	205.4
477.1	80°	391.5	256.8	97.8	106.9	123.6	152.9	183.0	182.2	162.5	151.8
177.3	82.5°	149.1	101.2	69.6	75.3	89.4	117.2	145.0	149.5	129.7	112.2
69.6	85°	57.4	43.4	43.0	45.3	52.1	77.6	109.6	113.4	97.8	82.9
19.4	87.5°	14.8	12.9	16.0	15.2	24.0	41.5	62.8	65.1	59.7	34.6
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°
1051.2
1002.9
929.5
862.5
822.2
810.8
819.9
832.8
832.8
813.8
778.4
732.0
678.4
619.0
566.9
543.3
508.7
461.5
422.7
396.8
377.8
366.8
339.4
326.4
310.8
295.6
277.7
258.7
239.7
217.6
197.8
186.4
141.2
112.2
85.6
49.5
0.0

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