

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: P847245

Luminaire Tested: **GLAN-SB3B-730-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847245
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-SB3B-730-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 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: 11918 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

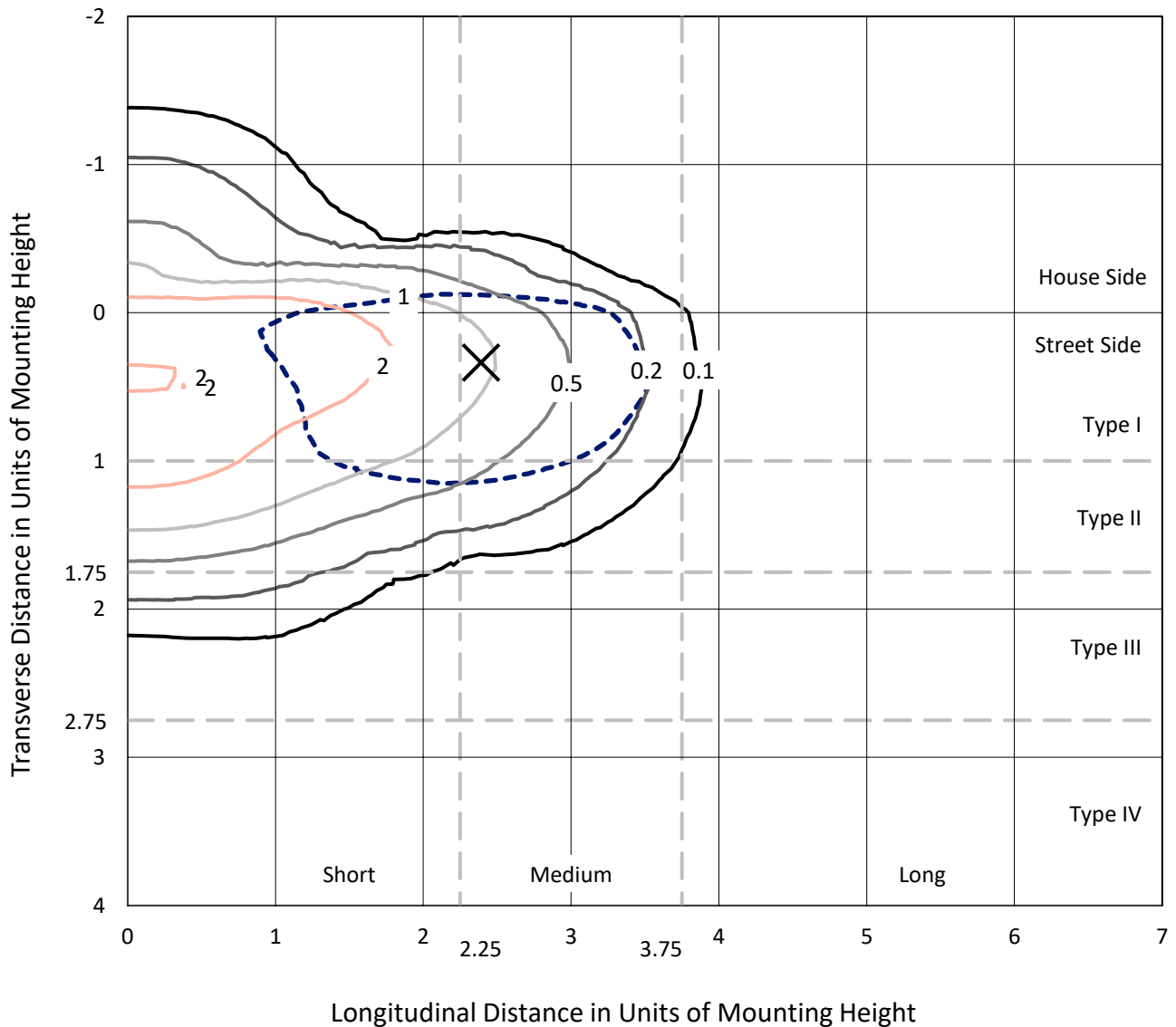
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

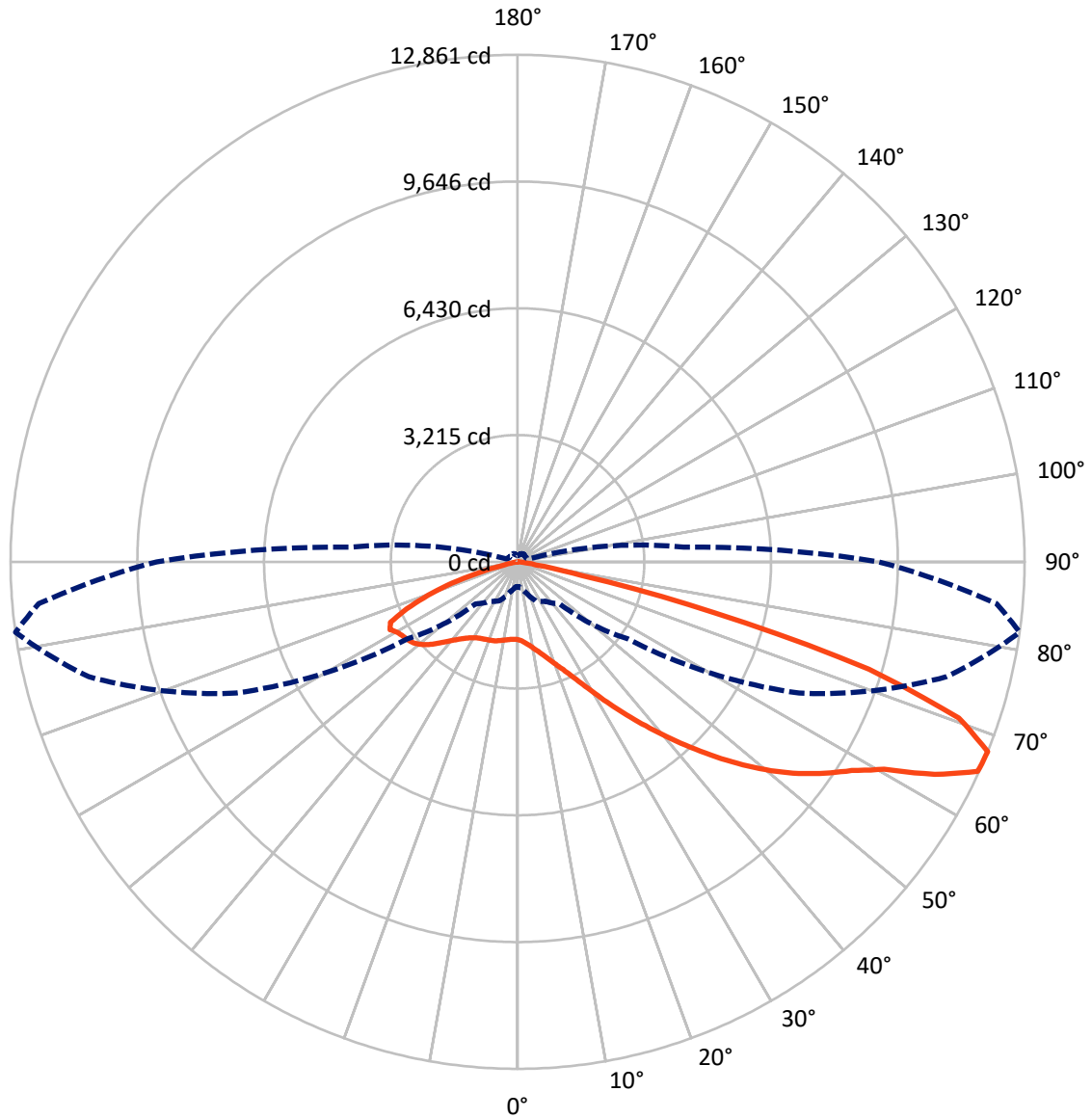
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 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	2158.8	0.0	2158.8
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	9759.2	0.0	9759.2
	% Fixture	81.9	0.0	81.9
Total	Lumens	11918.0	0.0	11918.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.9	1.5
10°-20°	457.1	3.8
20°-30°	732.1	6.1
30°-40°	1294.6	10.9
40°-50°	2268.3	19.0
50°-60°	3025.3	25.4
60°-70°	2816.4	23.6
70°-80°	1080.9	9.1
80°-90°	67.1	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°	11918.0	100.0
0°-180°	11918.0	100.0

Coefficient of Utilization

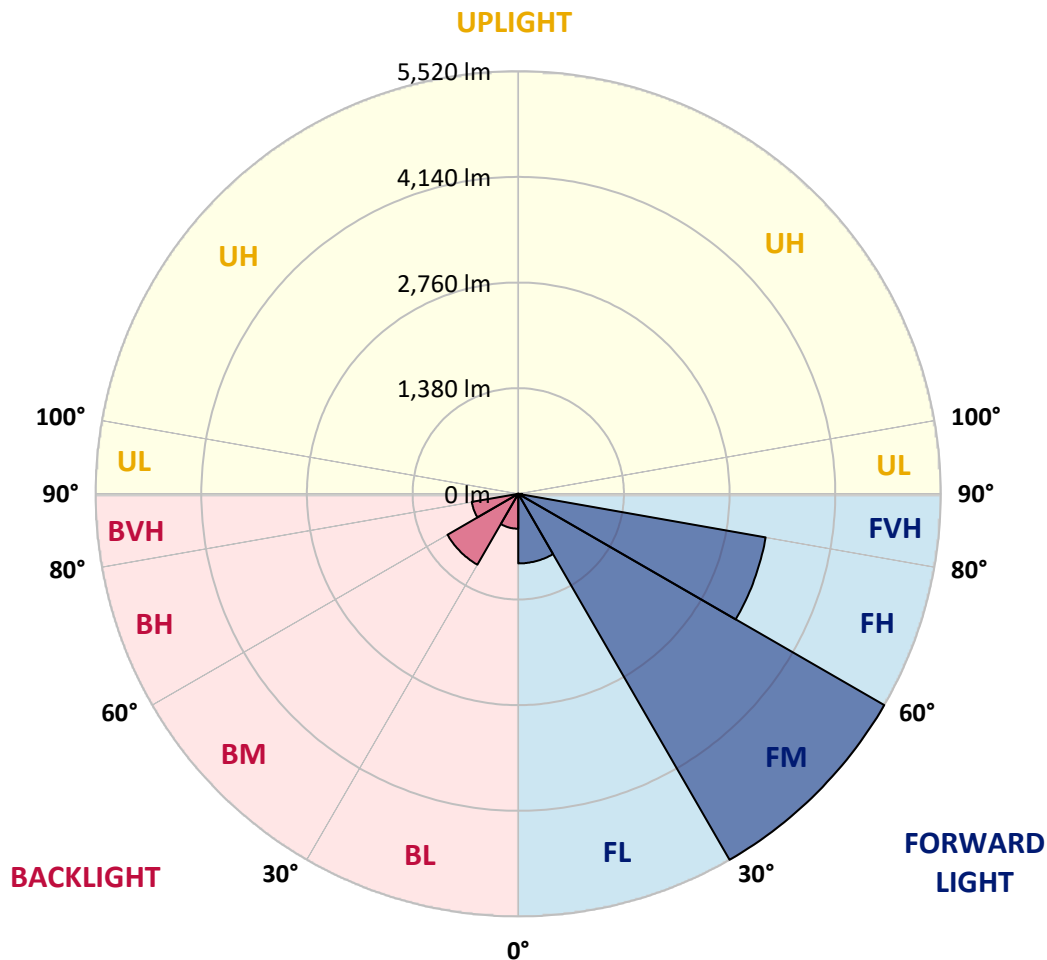


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	909.2	7.6			
FM (30°-60°)	5519.9	46.3			
FH (60°-80°)	3281.2	27.5			G2/5000
FVH (80°-90°)	48.8	0.4			G1/100
BL (0°-30°)	455.9	3.8	B1/500		
BM (30°-60°)	1068.4	9.0	B2/2500		
BH (60°-80°)	616.2	5.2	B2/1000		G2/1000
BVH (80°-90°)	18.3	0.2			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°	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4
2.5°	2086.8	2098.8	2092.0	2088.5	2082.5	2073.9	2067.1	2045.6	2023.3	2008.7
5°	2128.9	2140.9	2140.0	2143.4	2147.7	2150.3	2148.6	2124.6	2092.8	2067.9
7.5°	2092.8	2106.6	2117.7	2134.9	2164.9	2196.6	2212.1	2206.9	2174.3	2140.0
10°	1990.7	2005.3	2031.9	2072.2	2135.7	2204.4	2261.9	2288.5	2267.9	2230.1
12.5°	1803.7	1818.2	1870.6	1958.1	2064.5	2183.8	2293.6	2364.8	2370.0	2332.2
15°	1593.4	1608.0	1663.8	1773.6	1935.8	2127.1	2310.8	2445.5	2491.0	2458.4
17.5°	1463.0	1475.9	1517.9	1606.3	1775.3	2013.9	2304.8	2531.3	2635.1	2609.4
20°	1423.5	1434.7	1454.4	1516.2	1656.9	1896.3	2265.3	2612.0	2790.4	2775.8
22.5°	1465.6	1475.9	1481.9	1509.3	1597.7	1819.1	2215.5	2694.3	2970.6	2972.3
25°	1562.5	1572.8	1566.0	1583.1	1621.7	1795.1	2196.6	2791.3	3197.2	3216.0
27.5°	1722.1	1723.0	1706.7	1705.8	1711.8	1831.1	2216.4	2895.1	3482.9	3518.1
30°	2042.2	2029.3	1966.7	1898.9	1868.0	1939.2	2271.3	3017.8	3820.1	3882.7
32.5°	2535.6	2516.7	2401.7	2239.6	2076.5	2113.4	2370.0	3157.7	4187.4	4300.6
35°	3071.0	3065.9	2945.7	2704.6	2419.7	2361.4	2530.4	3341.3	4588.1	4768.3
37.5°	3568.7	3566.1	3497.5	3213.5	2866.8	2707.2	2787.9	3581.6	5017.1	5278.0
40°	4023.5	4031.2	3962.5	3708.6	3359.3	3150.8	3137.9	3878.5	5494.2	5833.1
42.5°	4416.5	4425.0	4355.5	4167.6	3845.9	3641.6	3567.8	4242.3	5960.1	6429.5
45°	4683.3	4736.5	4726.2	4576.1	4345.2	4133.3	4084.4	4698.8	6491.3	7061.9
47.5°	4758.8	4807.7	4885.0	4905.6	4764.8	4556.3	4614.7	5248.8	7028.4	7695.1
50°	4572.6	4618.1	4778.6	4992.2	5090.0	5025.7	5130.4	5838.3	7578.4	8326.7
52.5°	4205.4	4251.7	4454.2	4792.3	5191.3	5393.8	5647.8	6419.2	8111.3	8924.7
55°	3674.2	3723.1	3983.1	4365.8	4998.2	5545.7	6079.4	6999.2	8599.5	9462.7
57.5°	2951.7	2987.8	3258.1	3793.5	4512.6	5394.7	6397.7	7632.5	9059.5	9991.3
60°	1923.8	1955.5	2269.6	2866.8	3707.7	4890.1	6461.2	8338.7	9670.4	10678.6
62.5°	1279.4	1300.8	1487.0	1925.5	2611.1	3921.4	6089.7	8902.4	10566.2	11874.8
65°	877.8	899.3	1085.5	1390.9	1687.0	2593.9	5021.4	8827.8	11378.0	12824.7
67.5°	626.4	644.4	802.3	1090.6	1221.0	1506.8	3403.9	7873.6	11261.3	12860.7
70°	448.8	459.1	589.5	849.5	970.5	905.3	1892.9	6021.9	9860.0	11875.6
72.5°	314.1	317.5	409.3	647.0	781.7	660.7	901.0	4014.9	7457.4	9321.2
75°	212.8	217.1	275.4	474.5	627.2	504.5	477.1	2152.9	4377.9	5159.5
77.5°	130.4	132.1	177.6	324.3	469.4	384.4	307.2	912.1	1693.8	1662.9
80°	73.8	73.8	113.3	201.6	320.1	248.0	215.4	387.8	536.3	471.1
82.5°	41.2	42.0	82.4	125.3	211.9	146.7	118.4	179.3	231.7	205.1
85°	17.2	18.9	50.6	59.2	101.3	72.9	48.1	75.5	85.8	76.4
87.5°	1.7	2.6	15.4	11.2	12.0	14.6	6.9	14.6	12.0	12.0
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°
1974.4	0°	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4
2003.6	2.5°	1987.3	1974.4	1941.8	1904.0	1854.3	1830.3	1797.6	1775.3	1756.5	1758.2
2053.4	5°	2025.9	1993.3	1920.4	1829.4	1716.1	1635.5	1549.7	1490.5	1442.4	1432.1
2122.0	7.5°	2079.1	2027.6	1899.8	1735.9	1544.5	1399.5	1269.9	1186.7	1127.5	1108.6
2205.2	10°	2147.7	2073.1	1873.2	1618.3	1342.9	1158.4	1019.4	954.2	913.8	900.1
2303.0	12.5°	2227.5	2125.4	1838.0	1475.0	1135.2	957.6	869.2	836.6	823.7	819.5
2423.2	15°	2327.9	2190.6	1784.8	1305.1	959.3	834.9	797.1	792.9	794.6	792.9
2567.3	17.5°	2447.2	2261.9	1698.1	1130.1	840.9	772.3	758.5	762.0	766.3	765.4
2728.6	20°	2577.6	2332.2	1587.4	974.8	760.2	727.6	719.9	723.3	726.8	725.1
2914.8	22.5°	2726.1	2407.7	1464.7	853.8	706.2	686.5	677.9	678.7	678.7	675.3
3150.8	25°	2903.7	2491.0	1336.0	768.0	665.0	649.6	639.3	635.8	630.7	620.4
3437.4	27.5°	3115.6	2579.3	1212.4	707.9	632.4	617.8	605.8	597.2	584.3	567.2
3781.5	30°	3354.2	2686.6	1107.8	670.1	606.7	592.1	578.3	565.5	546.6	525.1
4177.1	32.5°	3634.8	2801.6	1031.4	645.3	583.5	568.0	551.7	536.3	515.7	494.2
4621.5	35°	3969.4	2940.6	986.8	628.1	565.5	544.9	526.9	509.7	494.2	475.4
5104.6	37.5°	4332.4	3088.2	973.0	619.5	553.5	521.7	501.1	489.1	487.4	476.2
5627.2	40°	4729.7	3263.2	983.3	614.4	540.6	499.4	477.1	474.5	478.8	459.1
6185.8	42.5°	5150.1	3470.9	1000.5	608.4	522.6	477.1	455.6	455.6	452.2	424.7
6776.1	45°	5604.9	3710.3	1017.7	593.8	501.1	454.8	438.5	432.5	417.9	391.3
7369.9	47.5°	6063.1	3954.0	1030.5	567.2	475.4	435.9	421.3	407.6	386.1	362.1
7952.6	50°	6498.1	4172.8	1016.8	527.7	446.2	417.9	402.4	383.6	360.4	344.1
8504.3	52.5°	6886.8	4362.4	958.5	481.4	415.3	399.0	385.3	365.5	346.7	329.5
9002.0	55°	7224.9	4516.0	855.5	437.6	387.8	382.7	369.0	344.1	318.3	303.8
9495.4	57.5°	7549.3	4632.7	726.8	401.6	363.0	364.7	344.1	321.8	297.7	282.3
10160.4	60°	7980.9	4788.9	596.4	368.1	336.4	341.5	319.2	302.9	272.9	253.1
11300.7	62.5°	8670.8	5031.7	473.7	326.9	305.5	307.2	297.7	278.0	242.0	218.8
12145.9	65°	9218.2	4942.5	373.3	282.3	270.3	272.9	272.9	251.4	212.8	186.2
12191.4	67.5°	9156.4	4232.0	297.7	238.5	236.8	238.5	244.5	226.5	188.8	167.3
11263.0	70°	8434.8	3366.2	238.5	198.2	205.9	201.6	218.8	206.8	169.9	148.4
8731.7	72.5°	6882.5	2424.9	181.9	163.9	157.9	164.7	197.4	186.2	141.6	117.6
4625.0	75°	4021.8	1294.0	135.6	129.6	114.1	137.3	175.0	158.7	108.1	86.7
1417.5	77.5°	1309.4	451.3	99.5	95.2	84.9	110.7	149.3	133.9	88.4	68.6
415.3	80°	350.9	136.4	67.8	62.6	54.9	82.4	118.4	106.4	63.5	44.6
178.5	82.5°	140.7	57.5	39.5	35.2	30.0	56.6	93.5	85.8	47.2	28.3
55.8	85°	45.5	18.9	14.6	11.2	13.7	35.2	55.8	58.3	33.5	14.6
8.6	87.5°	6.0	2.6	2.6	3.4	2.6	6.0	17.2	16.3	9.4	1.7
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°
1974.4
1741.0
1408.9
1089.7
889.8
816.9
792.0
763.7
724.2
673.6
618.7
565.5
523.4
495.1
473.7
475.4
459.9
424.7
390.4
361.2
341.5
327.8
302.0
280.6
250.6
217.1
183.6
163.9
145.9
115.0
84.1
66.1
43.8
28.3
11.2
0.0
0.0

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