

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: P847695

Luminaire Tested: **GLAN-SB3D-930-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847695
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-SB3D-930-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 3000K, 900mA 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: 15041 lumens
Efficiency: N/A
Efficacy: 69.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

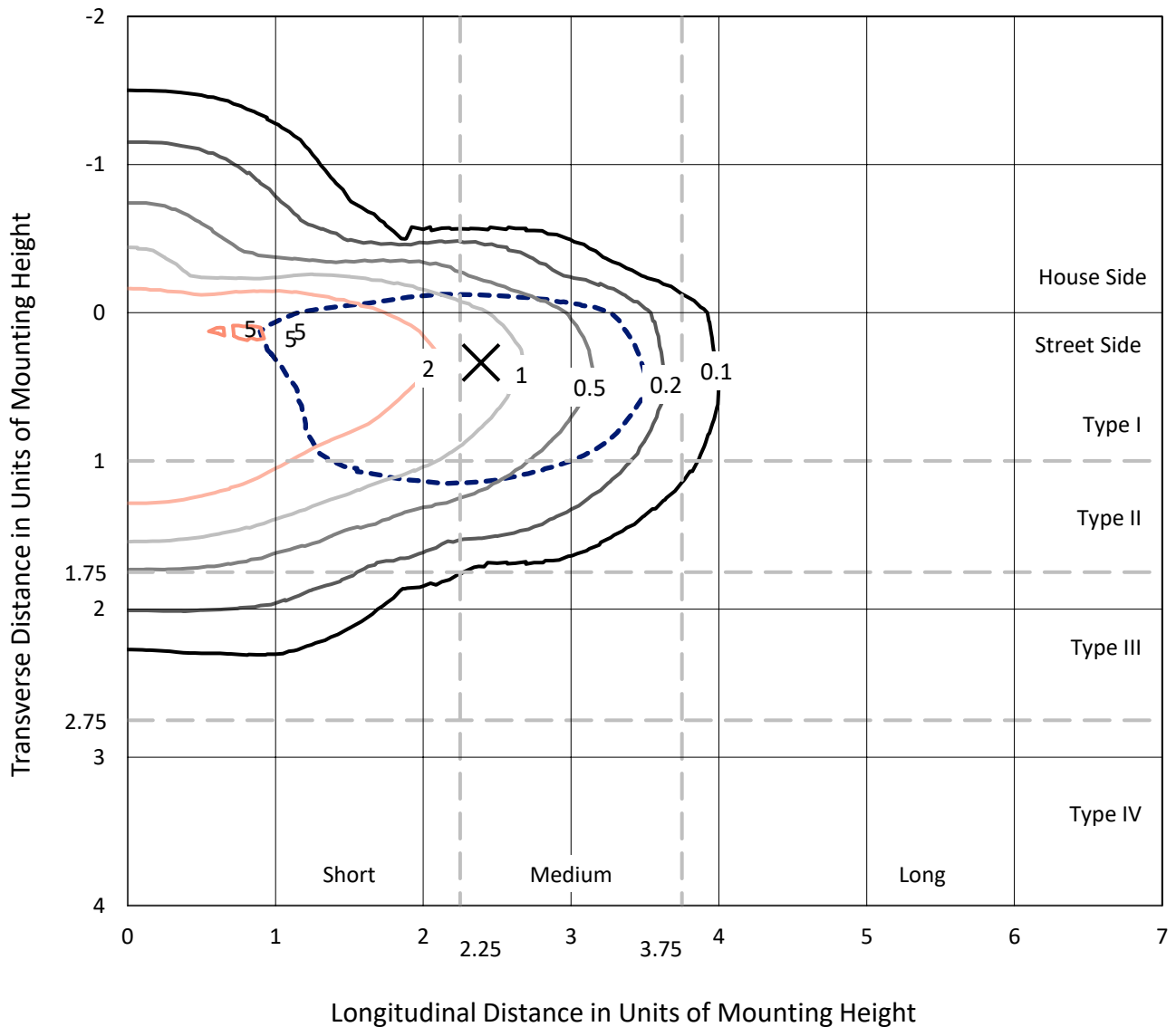
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

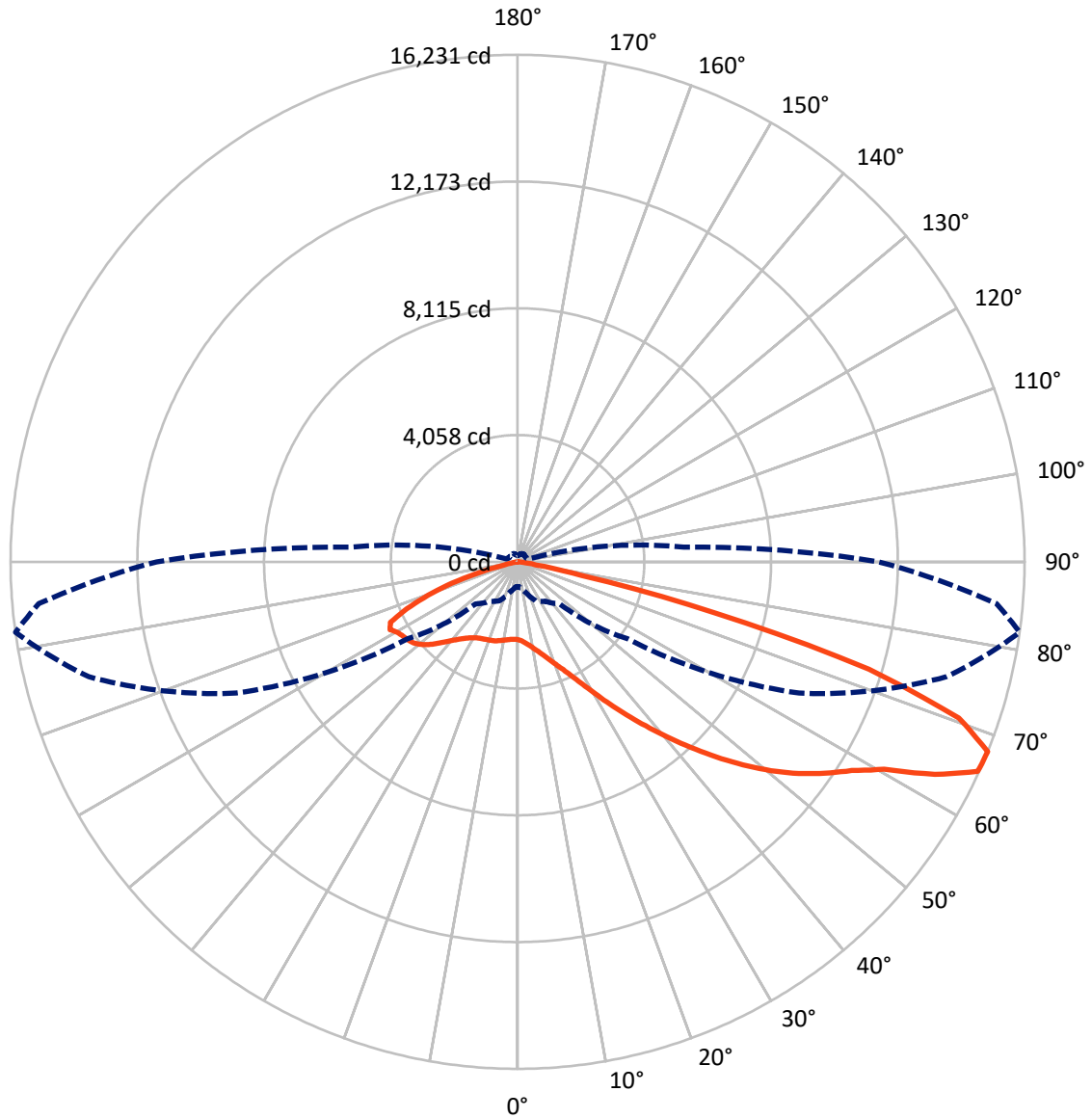
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 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	2724.5	0.0	2724.5
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	12316.5	0.0	12316.5
	% Fixture	81.9	0.0	81.9
Total	Lumens	15041.0	0.0	15041.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.0	1.5
10°-20°	576.9	3.8
20°-30°	924.0	6.1
30°-40°	1633.9	10.9
40°-50°	2862.7	19.0
50°-60°	3818.1	25.4
60°-70°	3554.5	23.6
70°-80°	1364.2	9.1
80°-90°	84.7	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°	15041.0	100.0
0°-180°	15041.0	100.0

Coefficient of Utilization

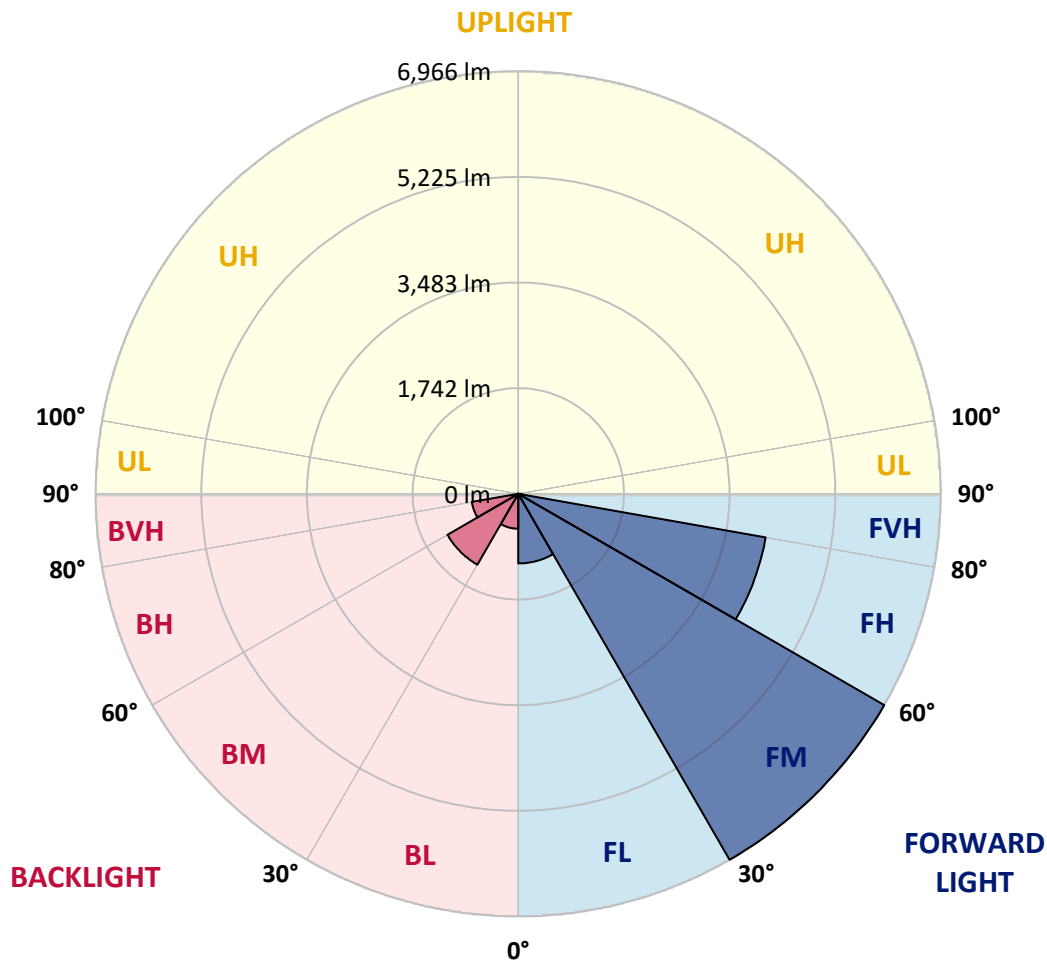


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1147.5	7.6			
FM (30°-60°)	6966.4	46.3			
FH (60°-80°)	4141.0	27.5			G2/5000
FVH (80°-90°)	61.6	0.4			G1/100
BL (0°-30°)	575.4	3.8	B2/1000		
BM (30°-60°)	1348.4	9.0	B2/2500		
BH (60°-80°)	777.6	5.2	B2/1000		G2/1000
BVH (80°-90°)	23.1	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°	2491.8	2491.8	2491.8	2491.8	2491.8	2491.8	2491.8	2491.8	2491.8	2491.8
2.5°	2633.6	2648.8	2640.1	2635.8	2628.2	2617.4	2608.7	2581.7	2553.5	2535.1
5°	2686.7	2701.9	2700.8	2705.1	2710.5	2713.8	2711.6	2681.3	2641.2	2609.8
7.5°	2641.2	2658.6	2672.6	2694.3	2732.2	2772.3	2791.8	2785.3	2744.1	2700.8
10°	2512.4	2530.8	2564.3	2615.2	2695.4	2782.0	2854.6	2888.1	2862.1	2814.5
12.5°	2276.3	2294.7	2360.8	2471.2	2605.5	2756.0	2894.6	2984.5	2991.0	2943.4
15°	2011.0	2029.4	2099.8	2238.4	2443.1	2684.5	2916.3	3086.3	3143.7	3102.5
17.5°	1846.4	1862.6	1915.7	2027.2	2240.5	2541.6	2908.7	3194.6	3325.6	3293.1
20°	1796.6	1810.6	1835.5	1913.5	2091.1	2393.2	2858.9	3296.4	3521.6	3503.2
22.5°	1849.6	1862.6	1870.2	1904.8	2016.4	2295.8	2796.1	3400.3	3749.0	3751.2
25°	1972.0	1985.0	1976.3	1998.0	2046.7	2265.5	2772.3	3522.7	4034.9	4058.8
27.5°	2173.4	2174.5	2153.9	2152.8	2160.4	2310.9	2797.2	3653.8	4395.5	4439.9
30°	2577.3	2561.1	2482.0	2396.5	2357.5	2447.4	2866.5	3808.6	4821.1	4900.2
32.5°	3200.0	3176.2	3031.1	2826.4	2620.7	2667.2	2991.0	3985.1	5284.6	5427.6
35°	3875.7	3869.3	3717.6	3413.3	3053.8	2980.2	3193.5	4216.9	5790.3	6017.8
37.5°	4503.8	4500.6	4414.0	4055.5	3618.0	3416.6	3518.4	4520.1	6331.8	6661.0
40°	5077.8	5087.5	5000.9	4680.4	4239.6	3976.5	3960.2	4894.8	6933.9	7361.6
42.5°	5573.8	5584.6	5496.9	5259.7	4853.6	4595.9	4502.8	5353.9	7521.9	8114.3
45°	5910.5	5977.7	5964.7	5775.2	5483.9	5216.4	5154.7	5930.0	8192.2	8912.4
47.5°	6005.8	6067.6	6165.0	6191.0	6013.4	5750.3	5823.9	6624.2	8870.1	9711.6
50°	5770.8	5828.2	6030.7	6300.4	6423.8	6342.6	6474.7	7368.1	9564.3	10508.6
52.5°	5307.4	5365.8	5621.4	6048.1	6551.6	6807.2	7127.7	8101.3	10236.8	11263.4
55°	4637.0	4698.8	5026.9	5509.9	6308.0	6998.9	7672.4	8833.3	10853.0	11942.4
57.5°	3725.2	3770.7	4111.8	4787.6	5695.0	6808.3	8074.2	9632.5	11433.4	12609.4
60°	2427.9	2468.0	2864.3	3618.0	4679.3	6171.5	8154.3	10523.8	12204.4	13476.9
62.5°	1614.6	1641.7	1876.7	2430.1	3295.3	4948.9	7685.4	11235.2	13335.0	14986.4
65°	1107.8	1134.9	1369.9	1755.4	2129.0	3273.6	6337.2	11141.0	14359.4	16185.2
67.5°	790.5	813.3	1012.5	1376.4	1541.0	1901.6	4295.9	9936.8	14212.2	16230.7
70°	566.4	579.4	744.0	1072.1	1224.8	1142.5	2388.9	7599.9	12443.8	14987.5
72.5°	396.3	400.7	516.5	816.5	986.5	833.8	1137.1	5067.0	9411.6	11763.7
75°	268.6	274.0	347.6	598.9	791.6	636.8	602.1	2717.0	5525.0	6511.6
77.5°	164.6	166.8	224.2	409.3	592.4	485.1	387.7	1151.1	2137.7	2098.7
80°	93.1	93.1	142.9	254.5	403.9	313.0	271.8	489.5	676.8	594.5
82.5°	52.0	53.1	104.0	158.1	267.5	185.2	149.4	226.3	292.4	258.8
85°	21.7	23.8	63.9	74.7	127.8	92.0	60.6	95.3	108.3	96.4
87.5°	2.2	3.2	19.5	14.1	15.2	18.4	8.7	18.4	15.2	15.2
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°
2491.8	0°	2491.8	2491.8	2491.8	2491.8	2491.8	2491.8	2491.8	2491.8	2491.8	2491.8
2528.6	2.5°	2508.0	2491.8	2450.6	2403.0	2340.2	2309.9	2268.7	2240.5	2216.7	2218.9
2591.4	5°	2556.8	2515.6	2423.6	2308.8	2165.8	2064.0	1955.7	1881.0	1820.4	1807.4
2678.0	7.5°	2623.9	2558.9	2397.6	2190.7	1949.2	1766.2	1602.7	1497.7	1422.9	1399.1
2783.1	10°	2710.5	2616.3	2364.0	2042.4	1694.8	1461.9	1286.5	1204.2	1153.3	1136.0
2906.5	12.5°	2811.2	2682.4	2319.6	1861.5	1432.7	1208.5	1097.0	1055.8	1039.6	1034.2
3058.1	15°	2937.9	2764.7	2252.5	1647.1	1210.7	1053.7	1006.0	1000.6	1002.8	1000.6
3240.1	17.5°	3088.5	2854.6	2143.1	1426.2	1061.3	974.6	957.3	961.6	967.0	966.0
3443.7	20°	3253.1	2943.4	2003.4	1230.2	959.5	918.3	908.6	912.9	917.2	915.1
3678.7	22.5°	3440.4	3038.7	1848.5	1077.5	891.2	866.3	855.5	856.6	856.6	852.3
3976.5	25°	3664.6	3143.7	1686.1	969.2	839.3	819.8	806.8	802.4	795.9	782.9
4338.2	27.5°	3932.1	3255.2	1530.2	893.4	798.1	779.7	764.5	753.7	737.5	715.8
4772.4	30°	4233.1	3390.6	1398.0	845.8	765.6	747.2	729.9	713.6	689.8	662.7
5271.6	32.5°	4587.2	3535.7	1301.7	814.4	736.4	716.9	696.3	676.8	650.8	623.8
5832.6	35°	5009.6	3711.1	1245.4	792.7	713.6	687.7	664.9	643.3	623.8	599.9
6442.3	37.5°	5467.6	3897.4	1228.0	781.9	698.5	658.4	632.4	617.3	615.1	601.0
7101.7	40°	5969.0	4118.3	1241.0	775.4	682.2	630.3	602.1	598.9	604.3	579.4
7806.7	42.5°	6499.6	4380.4	1262.7	767.8	659.5	602.1	575.0	575.0	570.7	536.0
8551.8	45°	7073.6	4682.5	1284.3	749.4	632.4	573.9	553.4	545.8	527.4	493.8
9301.1	47.5°	7651.9	4990.1	1300.6	715.8	599.9	550.1	531.7	514.4	487.3	457.0
10036.4	50°	8200.9	5266.2	1283.3	666.0	563.1	527.4	507.9	484.1	454.8	434.2
10732.8	52.5°	8691.5	5505.5	1209.6	607.5	524.1	503.6	486.2	461.3	437.5	415.8
11360.8	55°	9118.1	5699.4	1079.7	552.3	489.5	483.0	465.7	434.2	401.8	383.4
11983.5	57.5°	9527.5	5846.7	917.2	506.8	458.1	460.2	434.2	406.1	375.8	356.3
12822.8	60°	10072.2	6043.7	752.6	464.6	424.5	431.0	402.8	382.3	344.4	319.5
14262.0	62.5°	10942.8	6350.2	597.8	412.6	385.5	387.7	375.8	350.9	305.4	276.1
15328.6	65°	11633.7	6237.6	471.1	356.3	341.1	344.4	344.4	317.3	268.6	235.0
15386.0	67.5°	11555.8	5340.9	375.8	301.1	298.9	301.1	308.6	285.9	238.2	211.2
14214.3	70°	10645.0	4248.3	301.1	250.2	259.9	254.5	276.1	261.0	214.4	187.3
11019.7	72.5°	8686.1	3060.3	229.6	206.8	199.3	207.9	249.1	235.0	178.7	148.4
5836.9	75°	5075.6	1633.0	171.1	163.5	144.0	173.3	220.9	200.3	136.4	109.4
1789.0	77.5°	1652.5	569.6	125.6	120.2	107.2	139.7	188.4	168.9	111.5	86.6
524.1	80°	442.9	172.2	85.6	79.1	69.3	104.0	149.4	134.3	80.1	56.3
225.2	82.5°	177.6	72.6	49.8	44.4	37.9	71.5	118.0	108.3	59.6	35.7
70.4	85°	57.4	23.8	18.4	14.1	17.3	44.4	70.4	73.6	42.2	18.4
10.8	87.5°	7.6	3.2	3.2	4.3	3.2	7.6	21.7	20.6	11.9	2.2
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°
2491.8
2197.2
1778.1
1375.3
1123.0
1030.9
999.5
963.8
914.0
850.1
780.8
713.6
660.6
624.8
597.8
599.9
580.4
536.0
492.7
455.9
431.0
413.7
381.2
354.1
316.2
274.0
231.7
206.8
184.1
145.1
106.1
83.4
55.2
35.7
14.1
0.0
0.0

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