

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: P847685

Luminaire Tested: **GLAN-SB3D-927-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847685
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-927-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 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: 14358 lumens
Efficiency: N/A
Efficacy: 65.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

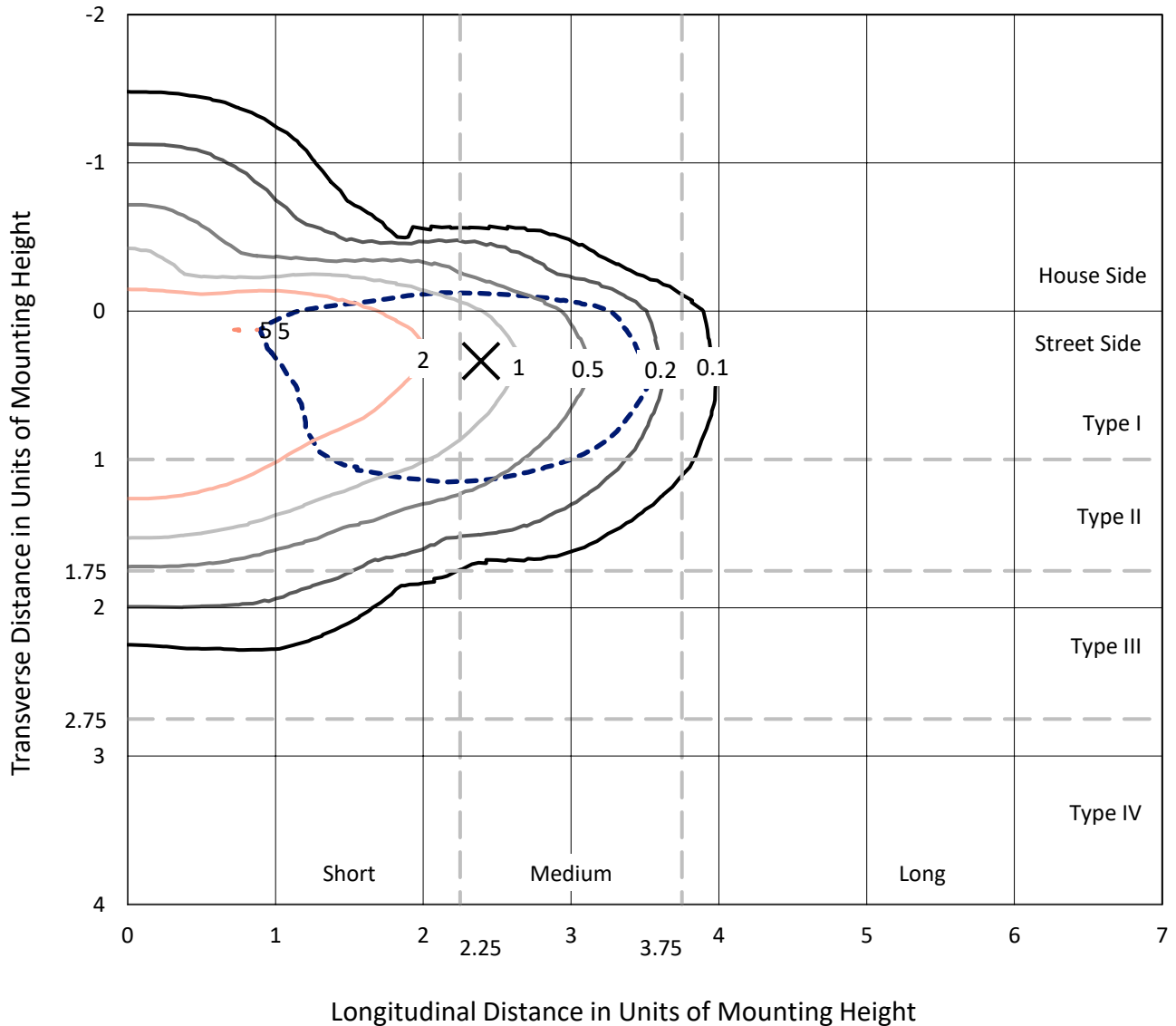
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

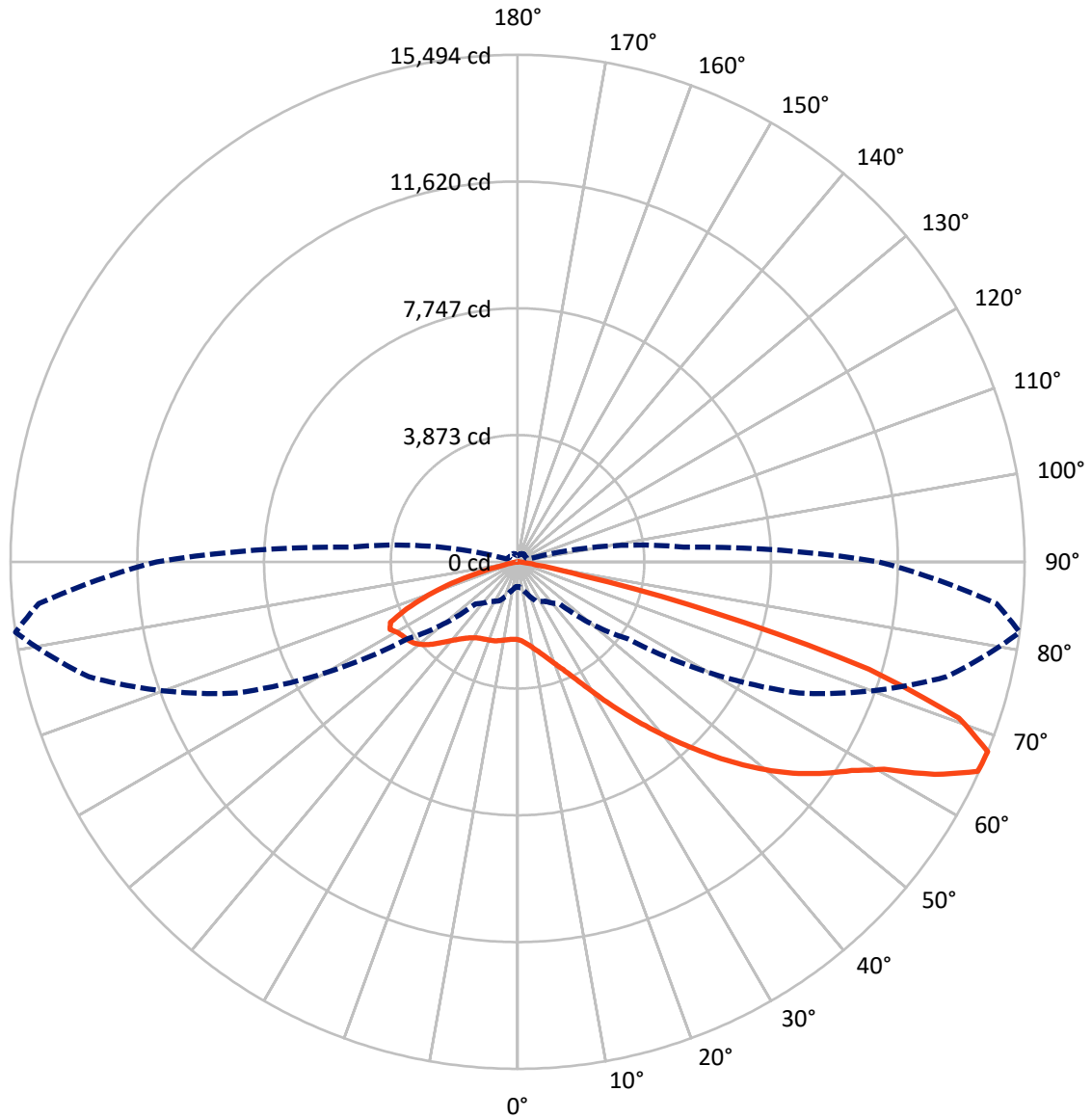
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 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	2600.8	0.0	2600.8
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	11757.2	0.0	11757.2
	% Fixture	81.9	0.0	81.9
Total	Lumens	14358.0	0.0	14358.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.9	1.5
10°-20°	550.7	3.8
20°-30°	882.0	6.1
30°-40°	1559.7	10.9
40°-50°	2732.8	19.0
50°-60°	3644.7	25.4
60°-70°	3393.0	23.6
70°-80°	1302.3	9.1
80°-90°	80.9	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°	14358.0	100.0
0°-180°	14358.0	100.0

Coefficient of Utilization

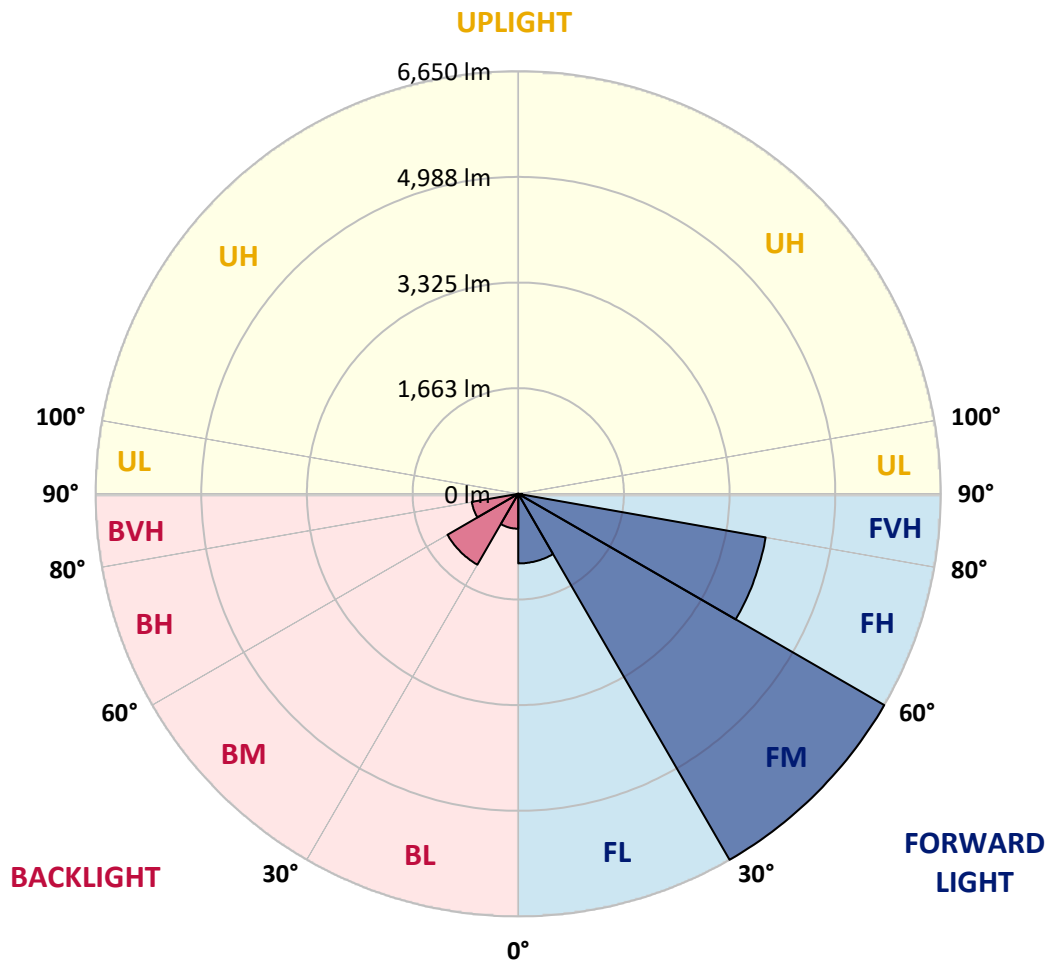


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1095.4	7.6			
FM (30°-60°)	6650.0	46.3			
FH (60°-80°)	3953.0	27.5			G2/5000
FVH (80°-90°)	58.8	0.4			G1/100
BL (0°-30°)	549.3	3.8	B2/1000		
BM (30°-60°)	1287.1	9.0	B2/2500		
BH (60°-80°)	742.3	5.2	B2/1000		G2/1000
BVH (80°-90°)	22.1	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°	2378.6	2378.6	2378.6	2378.6	2378.6	2378.6	2378.6	2378.6	2378.6	2378.6
2.5°	2514.1	2528.5	2520.3	2516.1	2508.9	2498.5	2490.3	2464.4	2437.6	2420.0
5°	2564.7	2579.2	2578.1	2582.3	2587.5	2590.6	2588.5	2559.5	2521.3	2491.3
7.5°	2521.3	2537.8	2551.3	2571.9	2608.1	2646.4	2665.0	2658.8	2619.5	2578.1
10°	2398.3	2415.8	2447.9	2496.5	2573.0	2655.7	2724.9	2757.0	2732.2	2686.7
12.5°	2172.9	2190.5	2253.6	2359.0	2487.2	2630.9	2763.2	2849.0	2855.2	2809.7
15°	1919.7	1937.2	2004.4	2136.7	2332.1	2562.6	2783.9	2946.2	3000.9	2961.7
17.5°	1762.5	1778.0	1828.7	1935.2	2138.8	2426.2	2776.6	3049.5	3174.6	3143.6
20°	1715.0	1728.4	1752.2	1826.6	1996.2	2284.6	2729.1	3146.7	3361.7	3344.1
22.5°	1765.6	1778.0	1785.3	1818.3	1924.8	2191.5	2669.1	3245.9	3578.8	3580.9
25°	1882.4	1894.8	1886.6	1907.2	1953.8	2162.6	2646.4	3362.8	3851.7	3874.5
27.5°	2074.7	2075.7	2056.1	2055.1	2062.3	2206.0	2670.1	3487.8	4195.9	4238.3
30°	2460.3	2444.8	2369.3	2287.7	2250.5	2336.3	2736.3	3635.7	4602.2	4677.7
32.5°	3054.7	3032.0	2893.4	2698.1	2501.6	2546.1	2855.2	3804.2	5044.6	5181.1
35°	3699.8	3693.6	3548.8	3258.3	2915.1	2844.9	3048.5	4025.4	5527.4	5744.5
37.5°	4299.3	4296.2	4213.5	3871.4	3453.7	3261.4	3358.6	4314.8	6044.3	6358.5
40°	4847.2	4856.5	4773.8	4467.8	4047.1	3795.9	3780.4	4672.5	6619.0	7027.4
42.5°	5320.7	5331.0	5247.3	5020.9	4633.2	4387.2	4298.3	5110.8	7180.4	7745.8
45°	5642.2	5706.2	5693.8	5512.9	5234.9	4979.5	4920.6	5660.8	7820.2	8507.7
47.5°	5733.1	5792.0	5885.1	5909.9	5740.4	5489.2	5559.5	6323.4	8467.4	9270.6
50°	5508.8	5563.6	5756.9	6014.3	6132.1	6054.6	6180.7	7033.6	9130.0	10031.4
52.5°	5066.4	5122.2	5366.1	5773.4	6254.1	6498.1	6804.1	7733.4	9771.9	10751.9
55°	4426.5	4485.4	4798.6	5259.7	6021.5	6681.1	7324.0	8432.2	10360.1	11400.1
57.5°	3556.1	3599.5	3925.1	4570.2	5436.4	6499.1	7707.6	9195.1	10914.2	12036.9
60°	2317.6	2355.9	2734.2	3453.7	4466.8	5891.3	7784.1	10045.9	11650.2	12864.9
62.5°	1541.3	1567.1	1791.5	2319.7	3145.7	4724.2	7336.4	10725.0	12729.5	14305.9
65°	1057.5	1083.4	1307.7	1675.7	2032.3	3125.0	6049.4	10635.1	13707.4	15450.3
67.5°	754.6	776.3	966.5	1313.9	1471.0	1815.2	4100.8	9485.6	13566.8	15493.7
70°	540.6	553.1	710.2	1023.4	1169.2	1090.6	2280.4	7254.8	11878.7	14307.0
72.5°	378.3	382.5	493.1	779.4	941.7	796.0	1085.4	4836.9	8984.2	11229.5
75°	256.4	261.5	331.8	571.7	755.7	607.8	574.8	2593.7	5274.1	6215.9
77.5°	157.1	159.2	214.0	390.8	565.5	463.1	370.1	1098.9	2040.6	2003.4
80°	88.9	88.9	136.5	242.9	385.6	298.8	259.5	467.3	646.1	567.5
82.5°	49.6	50.7	99.2	150.9	255.3	176.8	142.7	216.1	279.1	247.1
85°	20.7	22.7	61.0	71.3	122.0	87.9	57.9	91.0	103.4	92.0
87.5°	2.1	3.1	18.6	13.4	14.5	17.6	8.3	17.6	14.5	14.5
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°
2378.6	0°	2378.6	2378.6	2378.6	2378.6	2378.6	2378.6	2378.6	2378.6	2378.6	2378.6
2413.8	2.5°	2394.1	2378.6	2339.4	2293.9	2233.9	2205.0	2165.7	2138.8	2116.1	2118.1
2473.7	5°	2440.7	2401.4	2313.5	2203.9	2067.5	1970.3	1866.9	1795.6	1737.7	1725.3
2556.4	7.5°	2504.8	2442.7	2288.7	2091.3	1860.7	1686.0	1529.9	1429.7	1358.3	1335.6
2656.7	10°	2587.5	2497.5	2256.7	1949.6	1617.8	1395.5	1228.1	1149.5	1100.9	1084.4
2774.6	12.5°	2683.6	2560.6	2214.3	1777.0	1367.6	1153.7	1047.2	1007.9	992.4	987.2
2919.3	15°	2804.5	2639.1	2150.2	1572.3	1155.7	1005.8	960.3	955.2	957.2	955.2
3092.9	17.5°	2948.2	2724.9	2045.8	1361.4	1013.1	930.4	913.8	918.0	923.1	922.1
3287.3	20°	3105.4	2809.7	1912.4	1174.3	915.9	876.6	867.3	871.4	875.6	873.5
3511.6	22.5°	3284.2	2900.7	1764.6	1028.6	850.8	827.0	816.7	817.7	817.7	813.6
3795.9	25°	3498.2	3000.9	1609.5	925.2	801.1	782.5	770.1	766.0	759.8	747.4
4141.2	27.5°	3753.5	3107.4	1460.7	852.8	761.9	744.3	729.8	719.5	704.0	683.3
4555.7	30°	4040.9	3236.6	1334.6	807.4	730.9	713.3	696.7	681.2	658.5	632.6
5032.2	32.5°	4378.9	3375.2	1242.6	777.4	702.9	684.3	664.7	646.1	621.3	595.4
5567.7	35°	4782.1	3542.6	1188.8	756.7	681.2	656.4	634.7	614.0	595.4	572.7
6149.7	37.5°	5219.4	3720.4	1172.3	746.4	666.8	628.5	603.7	589.2	587.2	573.7
6779.3	40°	5698.0	3931.3	1184.7	740.2	651.3	601.6	574.8	571.7	576.8	553.1
7452.2	42.5°	6204.5	4181.5	1205.3	732.9	629.5	574.8	548.9	548.9	544.8	511.7
8163.4	45°	6752.4	4469.9	1226.0	715.3	603.7	547.9	528.2	521.0	503.4	471.4
8878.8	47.5°	7304.4	4763.5	1241.5	683.3	572.7	525.1	507.6	491.0	465.2	436.2
9580.7	50°	7828.5	5027.1	1225.0	635.7	537.5	503.4	484.8	462.1	434.2	414.5
10245.4	52.5°	8296.8	5255.5	1154.7	579.9	500.3	480.7	464.1	440.4	417.6	397.0
10845.0	55°	8704.1	5440.6	1030.6	527.2	467.3	461.0	444.5	414.5	383.5	365.9
11439.4	57.5°	9094.8	5581.2	875.6	483.8	437.3	439.3	414.5	387.7	358.7	340.1
12240.5	60°	9614.8	5769.3	718.4	443.5	405.2	411.4	384.6	364.9	328.7	305.0
13614.3	62.5°	10445.9	6061.8	570.6	393.9	368.0	370.1	358.7	334.9	291.5	263.6
14632.6	65°	11105.5	5954.3	449.7	340.1	325.6	328.7	328.7	302.9	256.4	224.3
14687.4	67.5°	11031.0	5098.4	358.7	287.4	285.3	287.4	294.6	272.9	227.4	201.6
13568.9	70°	10161.7	4055.4	287.4	238.8	248.1	242.9	263.6	249.1	204.7	178.8
10519.3	72.5°	8291.6	2921.3	219.2	197.4	190.2	198.5	237.8	224.3	170.6	141.6
5571.9	75°	4845.1	1558.9	163.3	156.1	137.5	165.4	210.9	191.2	130.3	104.4
1707.7	77.5°	1577.5	543.7	119.9	114.7	102.3	133.4	179.9	161.3	106.5	82.7
500.3	80°	422.8	164.4	81.7	75.5	66.2	99.2	142.7	128.2	76.5	53.8
215.0	82.5°	169.5	69.3	47.6	42.4	36.2	68.2	112.7	103.4	56.9	34.1
67.2	85°	54.8	22.7	17.6	13.4	16.5	42.4	67.2	70.3	40.3	17.6
10.3	87.5°	7.2	3.1	3.1	4.1	3.1	7.2	20.7	19.6	11.4	2.1
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°
2378.6
2097.5
1697.4
1312.8
1072.0
984.1
954.1
920.0
872.5
811.5
745.3
681.2
630.6
596.5
570.6
572.7
554.1
511.7
470.4
435.2
411.4
394.9
363.9
338.0
301.9
261.5
221.2
197.4
175.7
138.5
101.3
79.6
52.7
34.1
13.4
0.0
0.0

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