

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: P848715

Luminaire Tested: **GLAN-SB5B-930-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848715
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-SB5B-930-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 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: 14013 lumens
Efficiency: N/A
Efficacy: 76.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

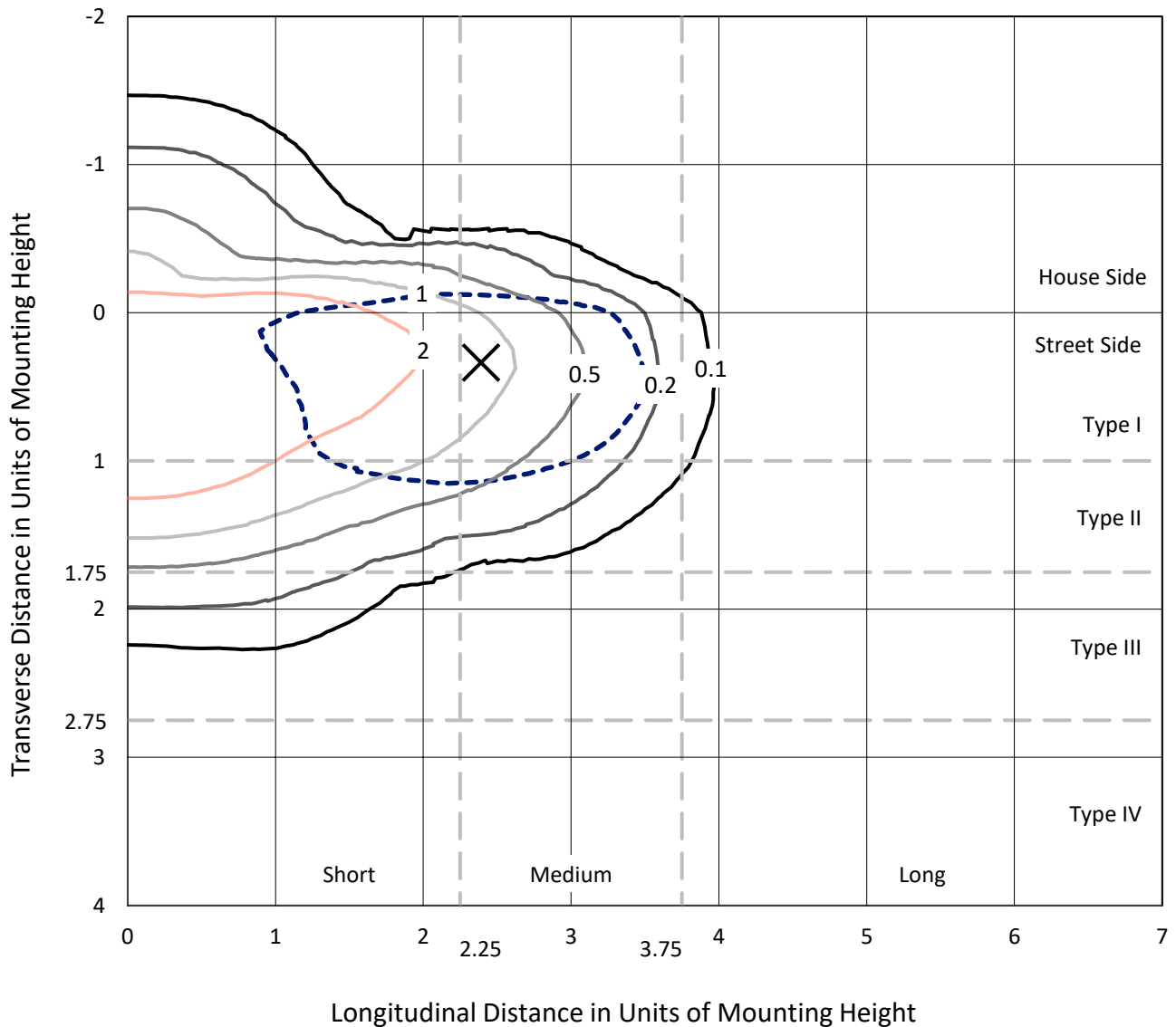
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

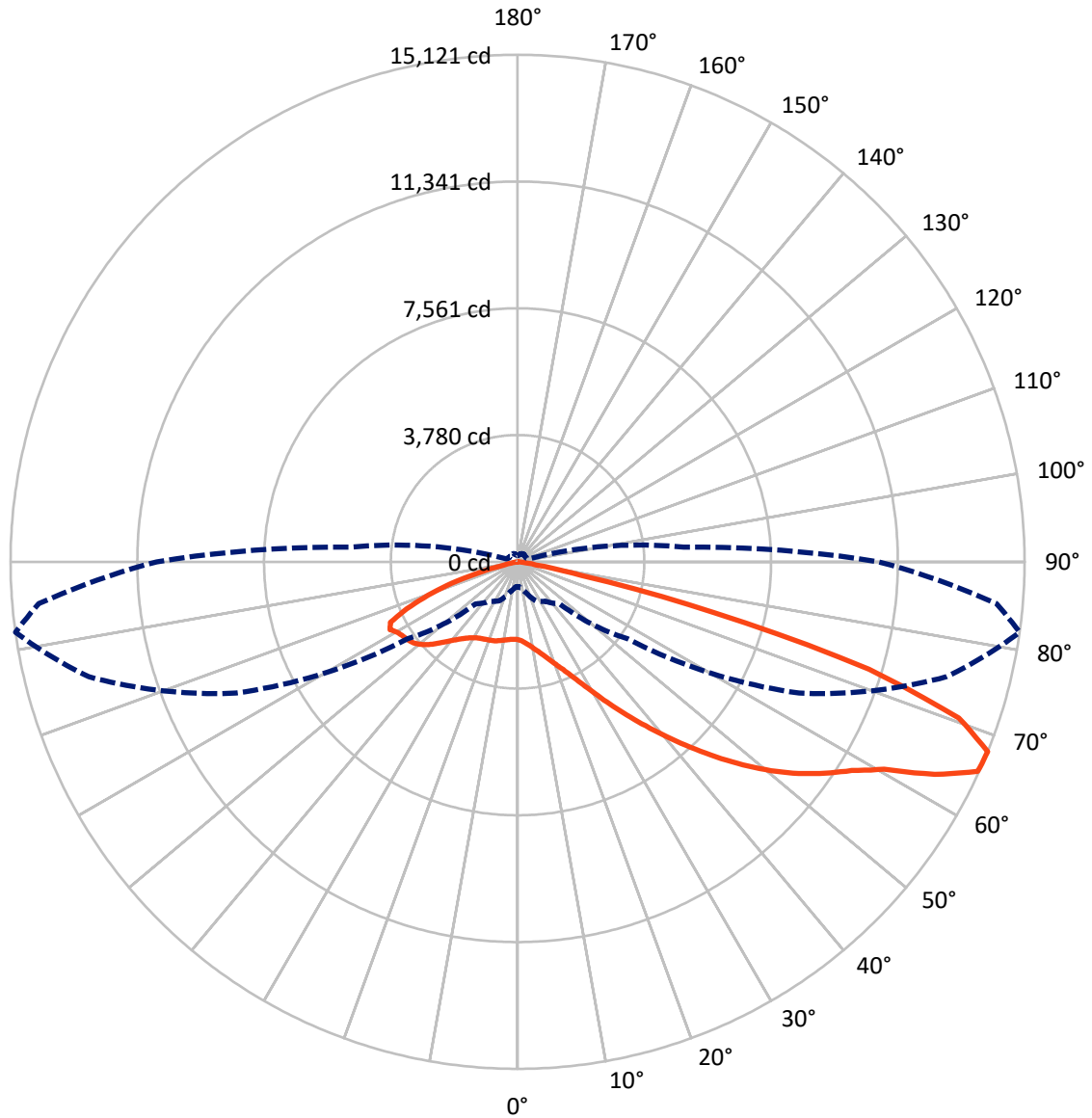
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 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	2538.3	0.0	2538.3
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	11474.7	0.0	11474.7
	% Fixture	81.9	0.0	81.9
Total	Lumens	14013.0	0.0	14013.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.8	1.5
10°-20°	537.5	3.8
20°-30°	860.8	6.1
30°-40°	1522.2	10.9
40°-50°	2667.1	19.0
50°-60°	3557.1	25.4
60°-70°	3311.5	23.6
70°-80°	1271.0	9.1
80°-90°	78.9	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°	14013.0	100.0
0°-180°	14013.0	100.0

Coefficient of Utilization

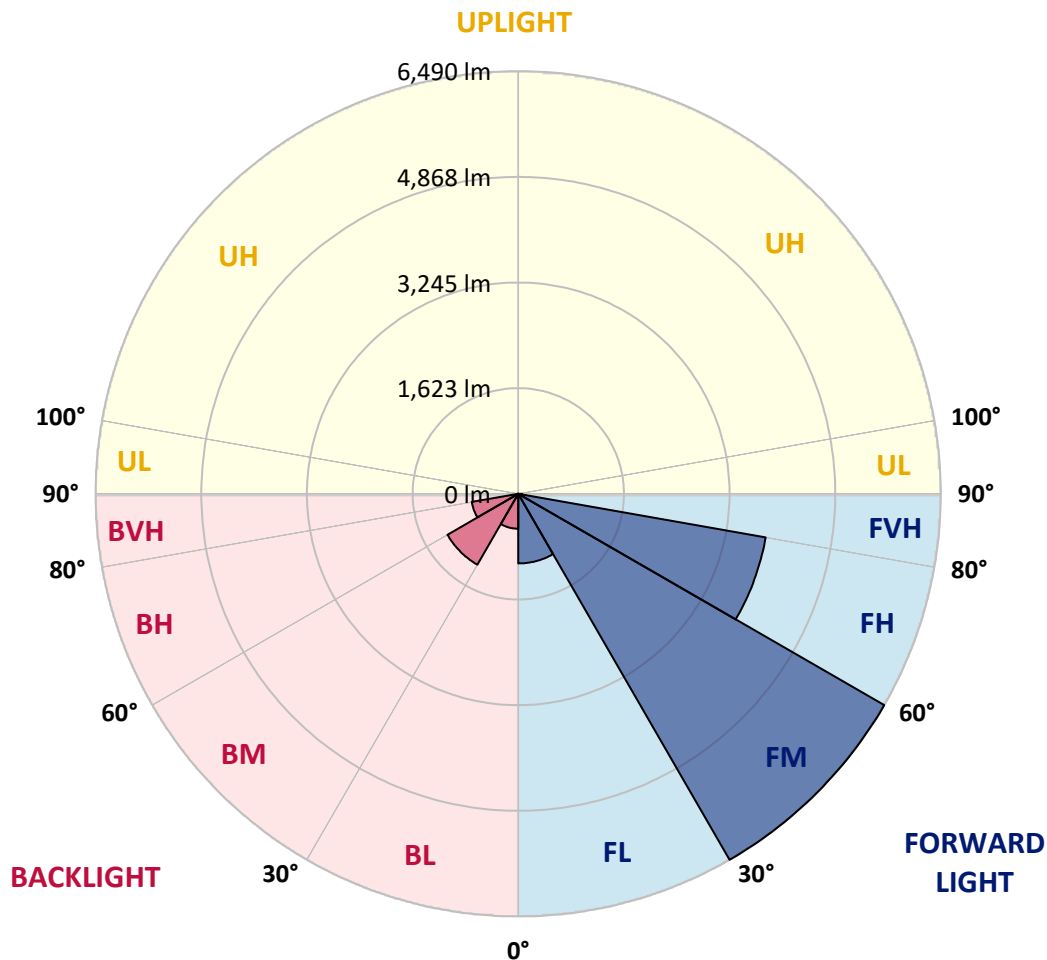


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1069.0	7.6			
FM (30°-60°)	6490.2	46.3			
FH (60°-80°)	3858.0	27.5			G2/5000
FVH (80°-90°)	57.4	0.4			G1/100
BL (0°-30°)	536.1	3.8	B2/1000		
BM (30°-60°)	1256.2	9.0	B2/2500		
BH (60°-80°)	724.5	5.2	B2/1000		G2/1000
BVH (80°-90°)	21.5	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°	2321.5	2321.5	2321.5	2321.5	2321.5	2321.5	2321.5	2321.5	2321.5	2321.5
2.5°	2453.6	2467.8	2459.7	2455.7	2448.6	2438.5	2430.4	2405.2	2379.0	2361.8
5°	2503.1	2517.2	2516.2	2520.2	2525.3	2528.3	2526.3	2498.0	2460.7	2431.5
7.5°	2460.7	2476.9	2490.0	2510.1	2545.5	2582.8	2600.9	2594.9	2556.6	2516.2
10°	2340.6	2357.8	2389.1	2436.5	2511.2	2591.9	2659.5	2690.7	2666.5	2622.1
12.5°	2120.7	2137.9	2199.4	2302.3	2427.4	2567.7	2696.8	2780.5	2786.6	2742.2
15°	1873.5	1890.7	1956.3	2085.4	2276.1	2501.1	2717.0	2875.4	2928.8	2890.5
17.5°	1720.2	1735.3	1784.7	1888.7	2087.4	2367.9	2709.9	2976.3	3098.3	3068.1
20°	1673.8	1686.9	1710.1	1782.7	1948.2	2229.7	2663.5	3071.1	3280.9	3263.8
22.5°	1723.2	1735.3	1742.4	1774.7	1878.6	2138.9	2605.0	3167.9	3492.8	3494.8
25°	1837.2	1849.3	1841.2	1861.4	1906.8	2110.6	2582.8	3282.0	3759.2	3781.4
27.5°	2024.9	2025.9	2006.7	2005.7	2012.8	2153.0	2606.0	3404.0	4095.1	4136.5
30°	2401.2	2386.0	2312.4	2232.7	2196.4	2280.1	2670.6	3548.3	4491.6	4565.3
32.5°	2981.3	2959.1	2823.9	2633.2	2441.5	2484.9	2786.6	3712.8	4923.4	5056.6
35°	3610.9	3604.8	3463.6	3180.1	2845.1	2776.5	2975.2	3928.7	5394.6	5606.5
37.5°	4196.0	4193.0	4112.3	3778.3	3370.7	3183.1	3277.9	4211.2	5899.0	6205.7
40°	4730.7	4739.8	4659.1	4360.5	3949.8	3704.7	3689.5	4560.2	6460.0	6858.5
42.5°	5192.8	5202.9	5121.2	4900.2	4521.9	4281.8	4195.0	4988.0	7007.8	7559.7
45°	5506.6	5569.1	5557.0	5380.5	5109.1	4859.9	4802.4	5524.7	7632.3	8303.3
47.5°	5595.4	5652.9	5743.7	5767.9	5602.4	5357.3	5425.9	6171.4	8263.9	9047.8
50°	5376.4	5429.9	5618.6	5869.8	5984.8	5909.1	6032.2	6864.6	8910.6	9790.4
52.5°	4944.6	4999.1	5237.2	5634.7	6103.8	6341.9	6640.6	7547.6	9537.1	10493.6
55°	4320.1	4377.6	4683.3	5133.3	5876.8	6520.5	7148.1	8229.6	10111.2	11126.2
57.5°	3470.6	3513.0	3830.8	4460.3	5305.8	6343.0	7522.4	8974.2	10652.0	11747.6
60°	2262.0	2299.3	2668.5	3370.7	4359.5	5749.7	7597.0	9804.5	11370.3	12555.8
62.5°	1504.3	1529.5	1748.4	2264.0	3070.1	4610.7	7160.2	10467.3	12423.6	13962.2
65°	1032.1	1057.3	1276.3	1635.4	1983.5	3049.9	5904.1	10379.6	13378.0	15079.0
67.5°	736.5	757.7	943.3	1282.3	1435.7	1771.6	4002.3	9257.7	13240.8	15121.4
70°	527.7	539.8	693.1	998.8	1141.1	1064.4	2225.6	7080.5	11593.3	13963.2
72.5°	369.3	373.3	481.2	760.7	919.1	776.9	1059.3	4720.6	8768.4	10959.7
75°	250.2	255.3	323.9	557.9	737.5	593.2	560.9	2531.3	5147.4	6066.5
77.5°	153.4	155.4	208.8	381.4	551.9	452.0	361.2	1072.5	1991.6	1955.2
80°	86.8	86.8	133.2	237.1	376.3	291.6	253.2	456.0	630.6	553.9
82.5°	48.4	49.4	96.9	147.3	249.2	172.5	139.2	210.9	272.4	241.1
85°	20.2	22.2	59.5	69.6	119.1	85.8	56.5	88.8	100.9	89.8
87.5°	2.0	3.0	18.2	13.1	14.1	17.2	8.1	17.2	14.1	14.1
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°
2321.5	0°	2321.5	2321.5	2321.5	2321.5	2321.5	2321.5	2321.5	2321.5	2321.5	2321.5
2355.8	2.5°	2336.6	2321.5	2283.1	2238.8	2180.2	2152.0	2113.6	2087.4	2065.2	2067.2
2414.3	5°	2382.0	2343.7	2257.9	2151.0	2017.8	1923.0	1822.1	1752.5	1696.0	1683.9
2495.0	7.5°	2444.6	2384.0	2233.7	2041.0	1816.0	1645.5	1493.2	1395.3	1325.7	1303.5
2592.9	10°	2525.3	2437.5	2202.4	1902.8	1578.9	1362.0	1198.6	1121.9	1074.5	1058.3
2707.9	12.5°	2619.1	2499.0	2161.1	1734.3	1334.8	1125.9	1022.0	983.7	968.5	963.5
2849.1	15°	2737.1	2575.7	2098.5	1534.5	1128.0	981.7	937.3	932.2	934.2	932.2
3018.6	17.5°	2877.4	2659.5	1996.6	1328.7	988.7	908.0	891.9	895.9	900.9	899.9
3208.3	20°	3030.7	2742.2	1866.5	1146.1	893.9	855.5	846.5	850.5	854.5	852.5
3427.2	22.5°	3205.3	2831.0	1722.2	1003.9	830.3	807.1	797.0	798.0	798.0	794.0
3704.7	25°	3414.1	2928.8	1570.9	903.0	781.9	763.7	751.6	747.6	741.5	729.4
4041.7	27.5°	3663.3	3032.8	1425.6	832.3	743.6	726.4	712.3	702.2	687.1	666.9
4446.2	30°	3943.8	3158.9	1302.5	788.0	713.3	696.1	680.0	664.9	642.7	617.4
4911.3	32.5°	4273.7	3294.1	1212.7	758.7	686.1	667.9	648.7	630.6	606.3	581.1
5433.9	35°	4667.2	3457.5	1160.2	738.5	664.9	640.7	619.5	599.3	581.1	558.9
6001.9	37.5°	5093.9	3631.0	1144.1	728.4	650.7	613.4	589.2	575.1	573.1	559.9
6616.4	40°	5561.1	3836.8	1156.2	722.4	635.6	587.2	560.9	557.9	563.0	539.8
7273.2	42.5°	6055.4	4081.0	1176.4	715.3	614.4	560.9	535.7	535.7	531.7	499.4
7967.3	45°	6590.1	4362.5	1196.6	698.2	589.2	534.7	515.5	508.5	491.3	460.1
8665.4	47.5°	7128.9	4649.0	1211.7	666.9	558.9	512.5	495.4	479.2	454.0	425.8
9350.5	50°	7640.4	4906.3	1195.5	620.5	524.6	491.3	473.2	451.0	423.7	404.6
9999.2	52.5°	8097.4	5129.2	1126.9	566.0	488.3	469.1	453.0	429.8	407.6	387.4
10584.4	55°	8494.9	5309.8	1005.9	514.5	456.0	450.0	433.8	404.6	374.3	357.2
11164.5	57.5°	8876.3	5447.1	854.5	472.2	426.8	428.8	404.6	378.3	350.1	331.9
11946.4	60°	9383.8	5630.7	701.2	432.8	395.5	401.5	375.3	356.1	320.8	297.6
13287.2	62.5°	10194.9	5916.2	556.9	384.4	359.2	361.2	350.1	326.9	284.5	257.3
14281.0	65°	10838.6	5811.3	438.9	331.9	317.8	320.8	320.8	295.6	250.2	218.9
14334.5	67.5°	10766.0	4975.9	350.1	280.5	278.5	280.5	287.5	266.3	222.0	196.7
13242.8	70°	9917.5	3957.9	280.5	233.1	242.1	237.1	257.3	243.1	199.8	174.5
10266.6	72.5°	8092.4	2851.2	213.9	192.7	185.6	193.7	232.0	218.9	166.5	138.2
5438.0	75°	4728.7	1521.4	159.4	152.3	134.2	161.4	205.8	186.6	127.1	101.9
1666.7	77.5°	1539.6	530.7	117.0	112.0	99.9	130.1	175.5	157.4	103.9	80.7
488.3	80°	412.6	160.4	79.7	73.6	64.6	96.9	139.2	125.1	74.7	52.5
209.9	82.5°	165.5	67.6	46.4	41.4	35.3	66.6	110.0	100.9	55.5	33.3
65.6	85°	53.5	22.2	17.2	13.1	16.1	41.4	65.6	68.6	39.3	17.2
10.1	87.5°	7.1	3.0	3.0	4.0	3.0	7.1	20.2	19.2	11.1	2.0
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°
2321.5
2047.1
1656.6
1281.3
1046.2
960.5
931.2
897.9
851.5
792.0
727.4
664.9
615.4
582.1
556.9
558.9
540.8
499.4
459.0
424.7
401.5
385.4
355.1
329.9
294.6
255.3
215.9
192.7
171.5
135.2
98.9
77.7
51.5
33.3
13.1
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0.0

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