

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: P848525

Luminaire Tested: **GLAN-SB5A-850-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848525
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-SB5A-850-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 5000K, 350mA 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: 14208 lumens
Efficiency: N/A
Efficacy: 100.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

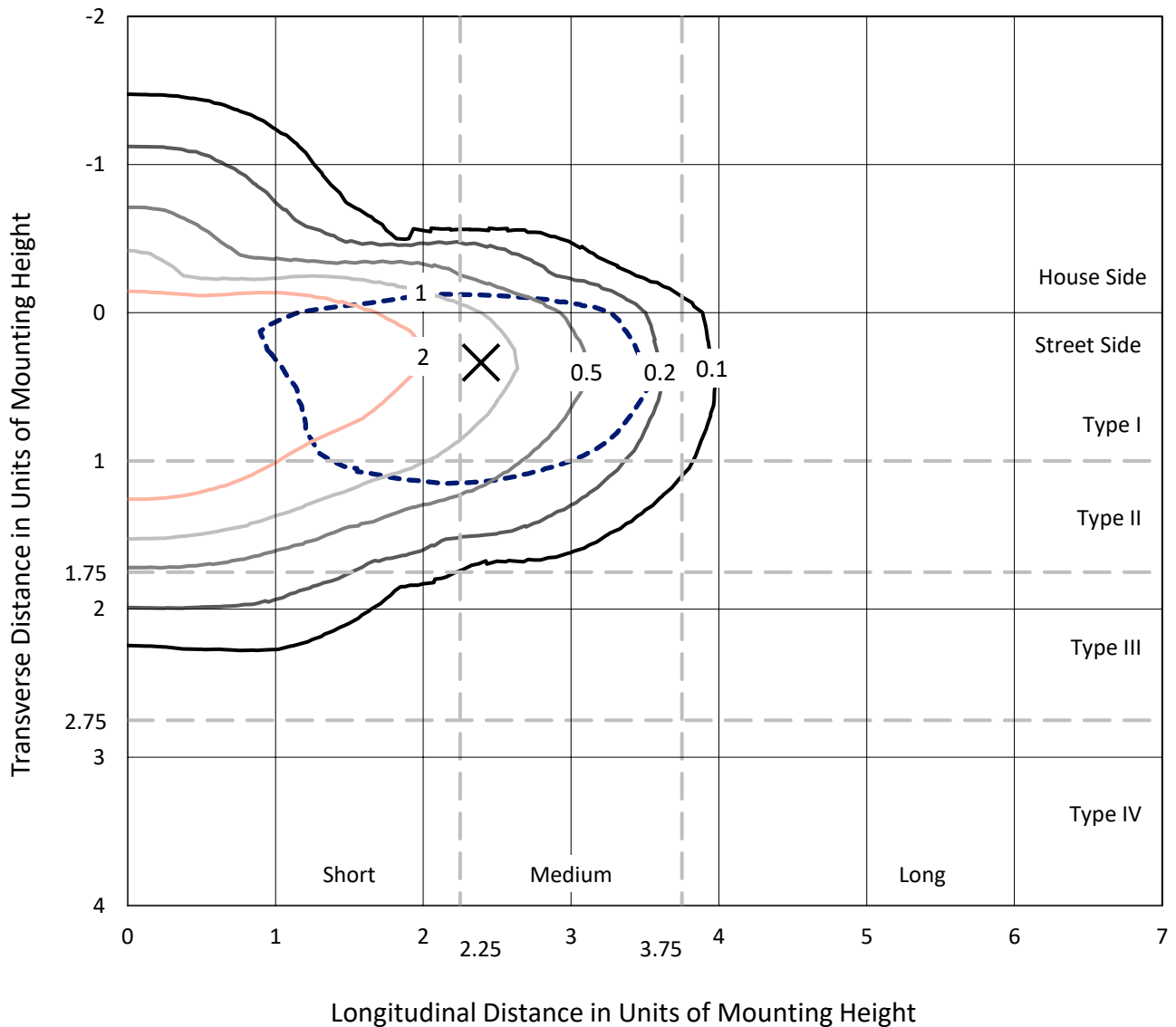
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

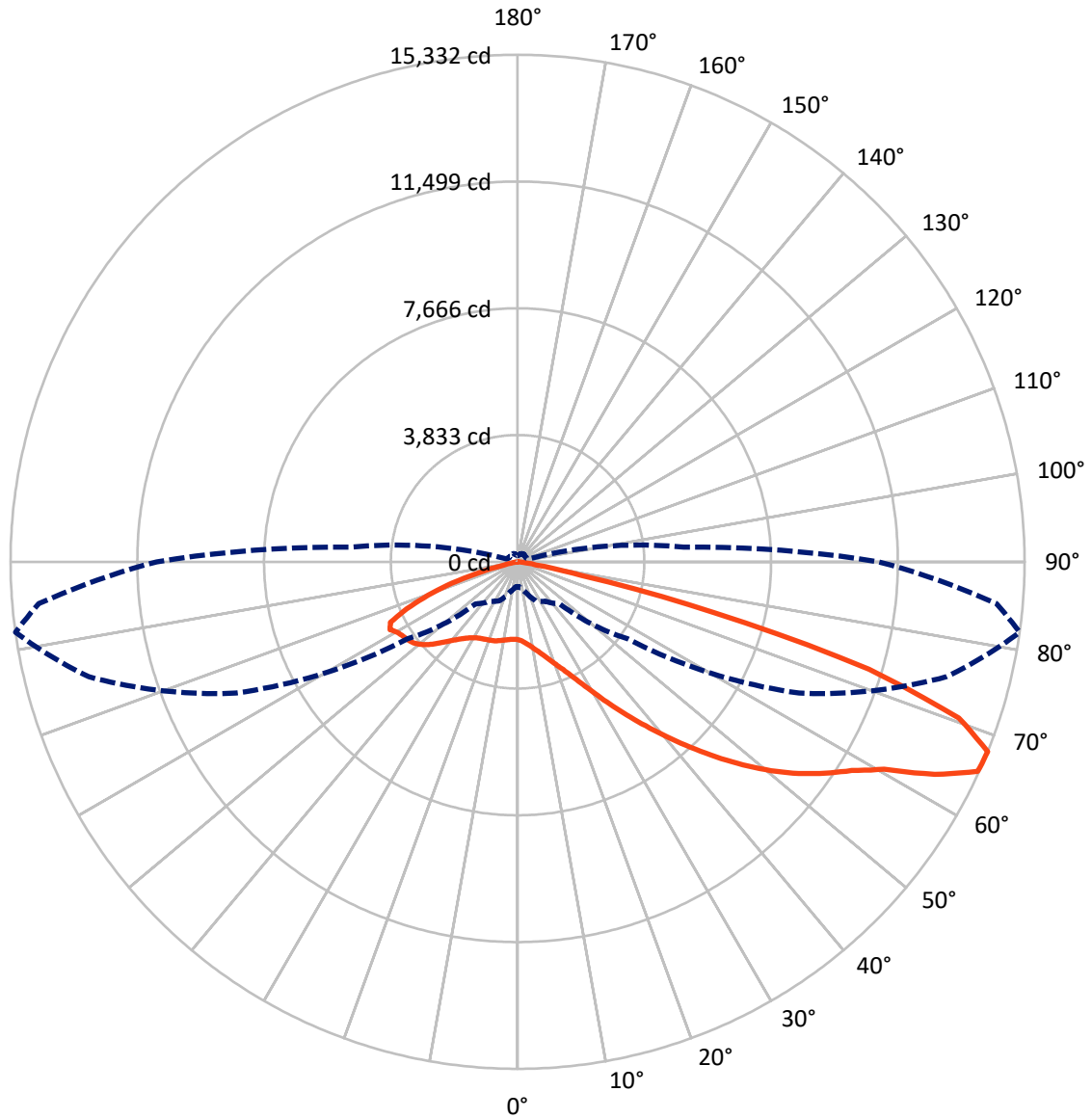
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	2573.7	0.0	2573.7
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	11634.3	0.0	11634.3
	% Fixture	81.9	0.0	81.9
Total	Lumens	14208.0	0.0	14208.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.7	1.5
10°-20°	544.9	3.8
20°-30°	872.8	6.1
30°-40°	1543.4	10.9
40°-50°	2704.2	19.0
50°-60°	3606.6	25.4
60°-70°	3357.6	23.6
70°-80°	1288.6	9.1
80°-90°	80.0	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°	14208.0	100.0
0°-180°	14208.0	100.0

Coefficient of Utilization

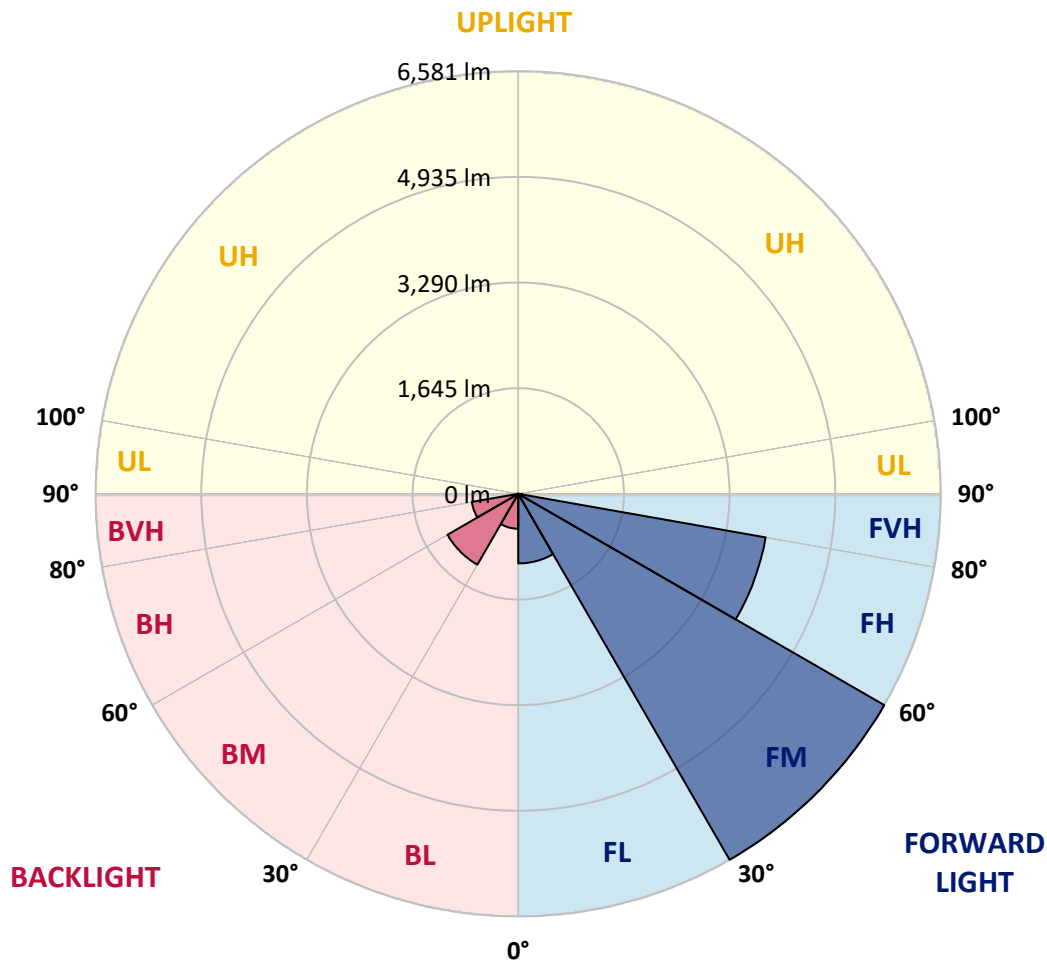


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1083.9	7.6			
FM (30°-60°)	6580.6	46.3			
FH (60°-80°)	3911.7	27.5			G2/5000
FVH (80°-90°)	58.2	0.4			G1/100
BL (0°-30°)	543.5	3.8	B2/1000		
BM (30°-60°)	1273.7	9.0	B2/2500		
BH (60°-80°)	734.6	5.2	B2/1000		G2/1000
BVH (80°-90°)	21.9	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°	2353.8	2353.8	2353.8	2353.8	2353.8	2353.8	2353.8	2353.8	2353.8	2353.8
2.5°	2487.8	2502.1	2493.9	2489.8	2482.7	2472.4	2464.3	2438.7	2412.1	2394.7
5°	2537.9	2552.2	2551.2	2555.3	2560.4	2563.5	2561.4	2532.8	2495.0	2465.3
7.5°	2495.0	2511.3	2524.6	2545.1	2580.9	2618.7	2637.1	2631.0	2592.1	2551.2
10°	2373.2	2390.6	2422.3	2470.4	2546.1	2627.9	2696.5	2728.2	2703.6	2658.6
12.5°	2150.2	2167.6	2230.0	2334.3	2461.2	2603.4	2734.3	2819.2	2825.4	2780.4
15°	1899.6	1917.0	1983.5	2114.4	2307.8	2535.9	2754.8	2915.4	2969.6	2930.7
17.5°	1744.1	1759.5	1809.6	1914.9	2116.5	2400.8	2747.6	3017.7	3141.4	3110.8
20°	1697.1	1710.4	1733.9	1807.5	1975.3	2260.7	2700.6	3113.8	3326.6	3309.2
22.5°	1747.2	1759.5	1766.6	1799.4	1904.7	2168.6	2641.2	3212.0	3541.4	3543.5
25°	1862.8	1875.0	1866.9	1887.3	1933.4	2140.0	2618.7	3327.6	3811.5	3834.0
27.5°	2053.0	2054.1	2034.6	2033.6	2040.8	2183.0	2642.3	3451.4	4152.1	4194.1
30°	2434.6	2419.3	2344.6	2263.8	2226.9	2311.8	2707.7	3597.7	4554.1	4628.8
32.5°	3022.8	3000.3	2863.2	2669.9	2475.5	2519.5	2825.4	3764.4	4991.9	5127.0
35°	3661.1	3655.0	3511.8	3224.3	2884.7	2815.1	3016.6	3983.3	5469.7	5684.5
37.5°	4254.4	4251.3	4169.5	3830.9	3417.6	3227.4	3323.5	4269.8	5981.1	6292.1
40°	4796.6	4805.8	4723.9	4421.1	4004.8	3756.2	3740.9	4623.7	6549.9	6953.9
42.5°	5265.1	5275.3	5192.4	4968.4	4584.8	4341.4	4253.4	5057.4	7105.3	7664.9
45°	5583.2	5646.6	5634.4	5455.3	5180.2	4927.5	4869.2	5601.6	7738.5	8418.8
47.5°	5673.2	5731.5	5823.6	5848.1	5680.4	5431.8	5501.4	6257.3	8378.9	9173.7
50°	5451.2	5505.5	5696.8	5951.5	6068.1	5991.4	6116.2	6960.1	9034.6	9926.6
52.5°	5013.4	5068.7	5310.1	5713.1	6188.8	6430.2	6733.0	7652.6	9669.9	10639.6
55°	4380.2	4438.5	4748.5	5204.7	5958.6	6611.3	7247.5	8344.1	10251.9	11281.0
57.5°	3518.9	3561.9	3884.1	4522.4	5379.6	6431.2	7627.0	9099.1	10800.2	11911.1
60°	2293.4	2331.3	2705.7	3417.6	4420.1	5829.7	7702.7	9940.9	11528.5	12730.5
62.5°	1525.2	1550.8	1772.8	2295.5	3112.8	4674.8	7259.8	10613.0	12596.5	14156.5
65°	1046.5	1072.0	1294.0	1658.2	2011.1	3092.3	5986.2	10524.0	13564.2	15288.9
67.5°	746.7	768.2	956.4	1300.2	1455.6	1796.3	4058.0	9386.5	13425.1	15331.8
70°	535.0	547.3	702.8	1012.7	1156.9	1079.2	2256.6	7179.0	11754.6	14157.5
72.5°	374.4	378.5	487.9	771.3	931.9	787.7	1074.1	4786.3	8890.4	11112.2
75°	253.7	258.8	328.4	565.7	747.8	601.5	568.8	2566.6	5219.0	6150.9
77.5°	155.5	157.5	211.7	386.7	559.5	458.3	366.2	1087.4	2019.3	1982.5
80°	88.0	88.0	135.0	240.4	381.6	295.6	256.8	462.4	639.3	561.6
82.5°	49.1	50.1	98.2	149.3	252.7	174.9	141.2	213.8	276.2	244.5
85°	20.5	22.5	60.4	70.6	120.7	86.9	57.3	90.0	102.3	91.0
87.5°	2.0	3.1	18.4	13.3	14.3	17.4	8.2	17.4	14.3	14.3
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°
2353.8	0°	2353.8	2353.8	2353.8	2353.8	2353.8	2353.8	2353.8	2353.8	2353.8	2353.8
2388.6	2.5°	2369.1	2353.8	2314.9	2269.9	2210.6	2181.9	2143.1	2116.5	2094.0	2096.0
2447.9	5°	2415.2	2376.3	2289.3	2180.9	2045.9	1949.7	1847.4	1776.8	1719.6	1707.3
2529.7	7.5°	2478.6	2417.2	2264.8	2069.4	1841.3	1668.4	1514.0	1414.7	1344.1	1321.6
2629.0	10°	2560.4	2471.4	2233.1	1929.3	1600.9	1381.0	1215.3	1137.5	1089.4	1073.1
2745.6	12.5°	2655.6	2533.8	2191.1	1758.4	1353.3	1141.6	1036.2	997.4	982.0	976.9
2888.8	15°	2775.2	2611.6	2127.7	1555.9	1143.6	995.3	950.3	945.2	947.2	945.2
3060.6	17.5°	2917.4	2696.5	2024.4	1347.2	1002.5	920.6	904.3	908.4	913.5	912.5
3252.9	20°	3072.9	2780.4	1892.4	1162.1	906.3	867.5	858.2	862.3	866.4	864.4
3474.9	22.5°	3249.9	2870.4	1746.2	1017.8	841.9	818.4	808.1	809.1	809.1	805.1
3756.2	25°	3461.6	2969.6	1592.7	915.5	792.8	774.4	762.1	758.0	751.9	739.6
4097.9	27.5°	3714.3	3075.0	1445.4	843.9	753.9	736.5	722.2	712.0	696.6	676.2
4508.1	30°	3998.7	3202.8	1320.6	798.9	723.2	705.8	689.5	674.1	651.6	626.0
4979.7	32.5°	4333.2	3339.9	1229.6	769.3	695.6	677.2	657.8	639.3	614.8	589.2
5509.6	35°	4732.1	3505.6	1176.4	748.8	674.1	649.6	628.1	607.6	589.2	566.7
6085.5	37.5°	5164.8	3681.6	1160.0	738.6	659.8	621.9	597.4	583.1	581.0	567.7
6708.4	40°	5638.4	3890.2	1172.3	732.4	644.5	595.4	568.8	565.7	570.8	547.3
7374.4	42.5°	6139.7	4137.8	1192.7	725.3	623.0	568.8	543.2	543.2	539.1	506.4
8078.2	45°	6681.8	4423.2	1213.2	707.9	597.4	542.2	522.7	515.6	498.2	466.5
8786.0	47.5°	7228.1	4713.7	1228.6	676.2	566.7	519.7	502.3	485.9	460.3	431.7
9480.6	50°	7746.7	4974.6	1212.2	629.1	531.9	498.2	479.8	457.3	429.6	410.2
10138.4	52.5°	8210.1	5200.6	1142.6	573.9	495.1	475.7	459.3	435.8	413.3	392.8
10731.7	55°	8613.2	5383.7	1019.9	521.7	462.4	456.2	439.9	410.2	379.5	362.1
11319.9	57.5°	8999.8	5522.9	866.4	478.7	432.7	434.7	410.2	383.6	355.0	336.5
12112.6	60°	9514.4	5709.0	710.9	438.8	401.0	407.1	380.5	361.1	325.3	301.8
13472.1	62.5°	10336.8	5998.5	564.7	389.7	364.2	366.2	355.0	331.4	288.5	260.8
14479.7	65°	10989.4	5892.1	445.0	336.5	322.2	325.3	325.3	299.7	253.7	222.0
14533.9	67.5°	10915.8	5045.1	355.0	284.4	282.3	284.4	291.5	270.1	225.0	199.5
13427.1	70°	10055.5	4013.0	284.4	236.3	245.5	240.4	260.8	246.5	202.5	177.0
10409.4	72.5°	8205.0	2890.8	216.9	195.4	188.2	196.4	235.3	222.0	168.8	140.1
5513.6	75°	4794.5	1542.6	161.6	154.5	136.1	163.7	208.7	189.2	128.9	103.3
1689.9	77.5°	1561.0	538.1	118.7	113.5	101.3	132.0	178.0	159.6	105.4	81.8
495.1	80°	418.4	162.6	80.8	74.7	65.5	98.2	141.2	126.8	75.7	53.2
212.8	82.5°	167.8	68.5	47.1	41.9	35.8	67.5	111.5	102.3	56.3	33.8
66.5	85°	54.2	22.5	17.4	13.3	16.4	41.9	66.5	69.6	39.9	17.4
10.2	87.5°	7.2	3.1	3.1	4.1	3.1	7.2	20.5	19.4	11.3	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°
2353.8
2075.5
1679.7
1299.1
1060.8
973.8
944.2
910.4
863.4
803.0
737.5
674.1
624.0
590.2
564.7
566.7
548.3
506.4
465.4
430.7
407.1
390.8
360.1
334.5
298.7
258.8
218.9
195.4
173.9
137.1
100.2
78.8
52.2
33.8
13.3
0.0
0.0

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