

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: P850235

Luminaire Tested: **GLAN-SB7C-927-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850235
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-SB7C-927-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 615mA 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: 25046 lumens
Efficiency: N/A
Efficacy: 71.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

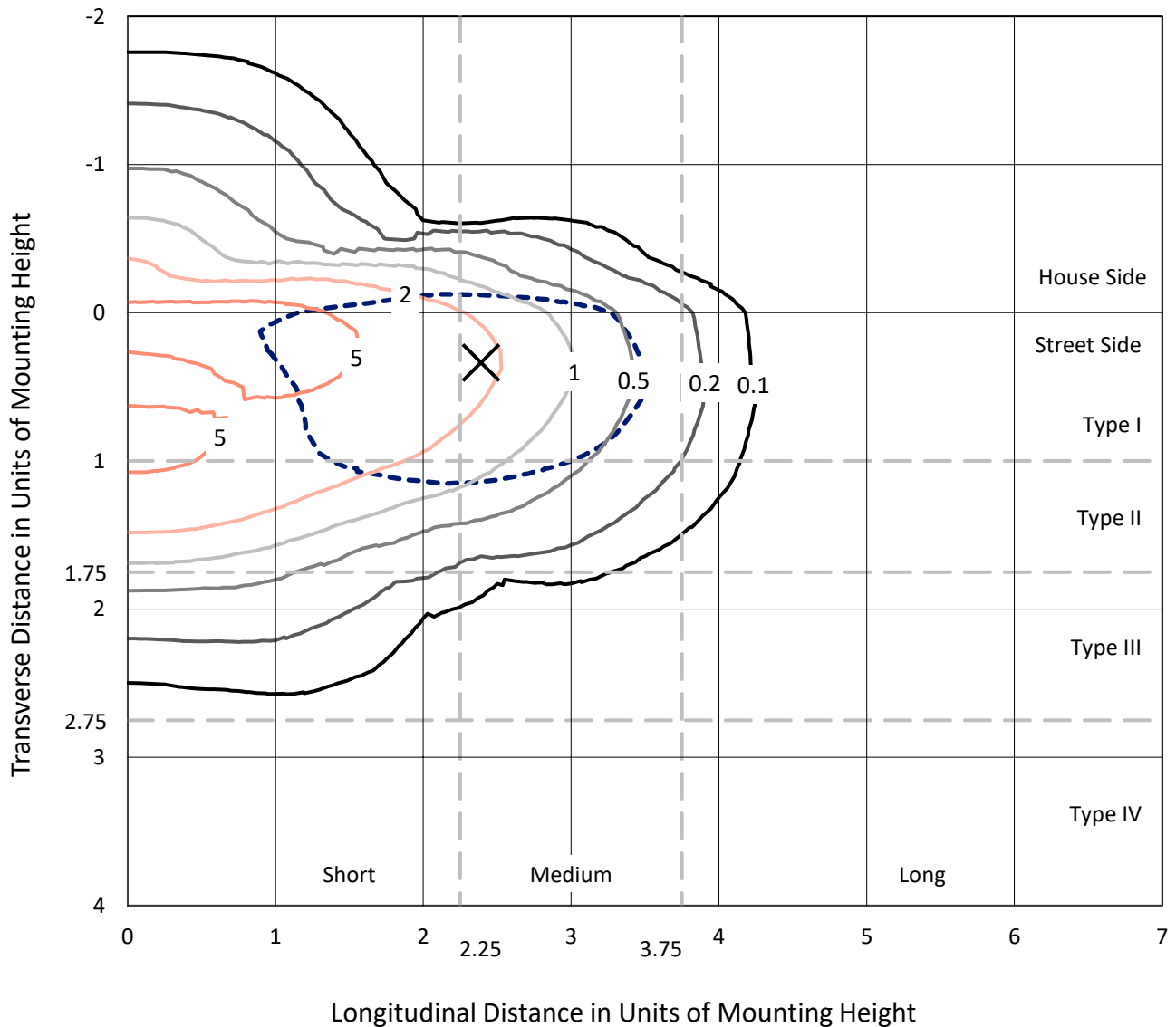
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

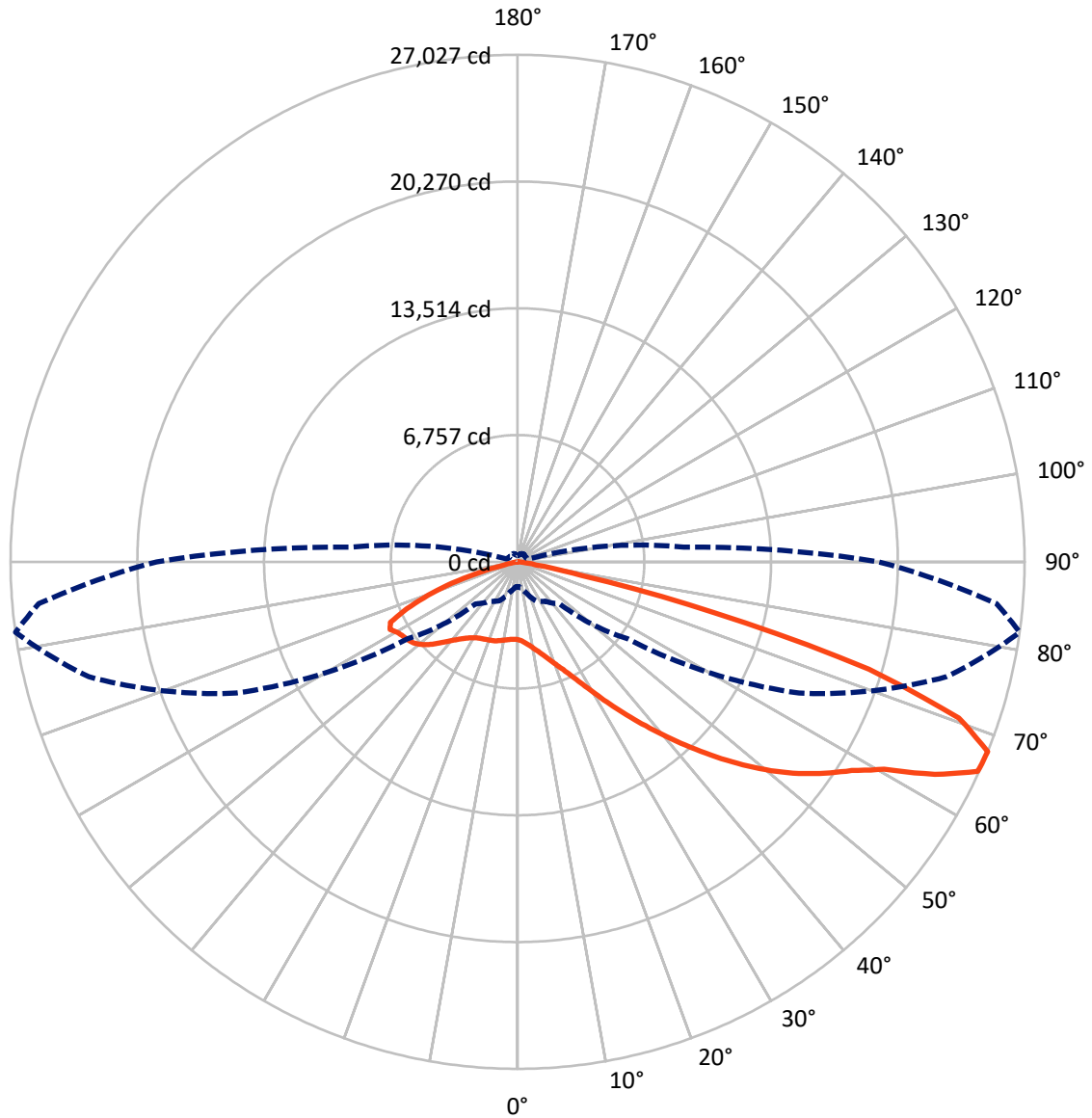
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 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	4536.9	0.0	4536.9
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	20509.1	0.0	20509.1
	% Fixture	81.9	0.0	81.9
Total	Lumens	25046.0	0.0	25046.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	369.7	1.5
10°-20°	960.6	3.8
20°-30°	1538.6	6.1
30°-40°	2720.7	10.9
40°-50°	4767.0	19.0
50°-60°	6357.8	25.4
60°-70°	5918.8	23.6
70°-80°	2271.6	9.1
80°-90°	141.1	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°	25046.0	100.0
0°-180°	25046.0	100.0

Coefficient of Utilization

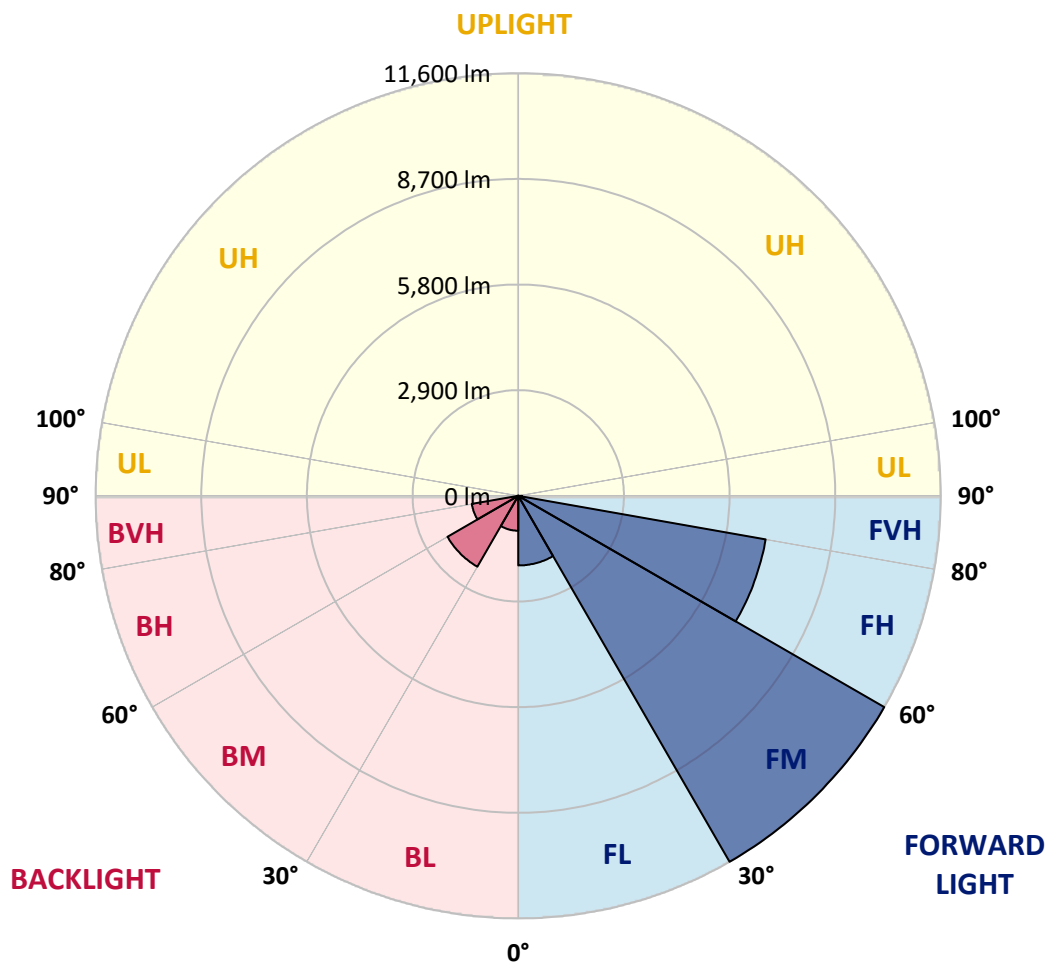


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1910.7	7.6			
FM (30°-60°)	11600.3	46.3			
FH (60°-80°)	6895.5	27.5			G3/7500
FVH (80°-90°)	102.6	0.4			G2/225
BL (0°-30°)	958.2	3.8	B2/1000		
BM (30°-60°)	2245.3	9.0	B2/2500		
BH (60°-80°)	1294.9	5.2	B3/2500		G3/2500
BVH (80°-90°)	38.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4149.3	4149.3	4149.3	4149.3	4149.3	4149.3	4149.3	4149.3	4149.3	4149.3
2.5°	4385.5	4410.7	4396.3	4389.1	4376.5	4358.5	4344.0	4298.9	4252.1	4221.4
5°	4473.9	4499.1	4497.3	4504.5	4513.5	4518.9	4515.3	4464.8	4398.1	4345.8
7.5°	4398.1	4427.0	4450.4	4486.5	4549.6	4616.3	4648.8	4638.0	4569.4	4497.3
10°	4183.5	4214.2	4270.1	4354.8	4488.3	4632.5	4753.4	4809.3	4766.0	4686.6
12.5°	3790.4	3821.1	3931.1	4115.0	4338.6	4589.3	4820.1	4969.8	4980.6	4901.2
15°	3348.6	3379.3	3496.5	3727.3	4068.1	4470.3	4856.1	5139.3	5234.8	5166.3
17.5°	3074.5	3101.6	3189.9	3375.7	3730.9	4232.2	4843.5	5319.6	5537.8	5483.7
20°	2991.6	3015.0	3056.5	3186.3	3482.1	3985.2	4760.6	5489.1	5864.2	5833.5
22.5°	3079.9	3101.6	3114.2	3171.9	3357.6	3822.9	4656.0	5662.2	6242.8	6246.5
25°	3283.7	3305.4	3290.9	3327.0	3408.1	3772.4	4616.3	5866.0	6718.9	6758.6
27.5°	3619.1	3620.9	3586.7	3584.9	3597.5	3848.1	4657.8	6084.2	7319.4	7393.3
30°	4291.7	4264.7	4133.0	3990.6	3925.7	4075.3	4773.2	6342.0	8028.1	8159.7
32.5°	5328.6	5288.9	5047.3	4706.5	4363.9	4441.4	4980.6	6636.0	8799.9	9037.9
35°	6453.8	6443.0	6190.6	5683.8	5085.2	4962.5	5317.8	7021.8	9642.0	10020.7
37.5°	7499.7	7494.3	7350.0	6753.2	6024.7	5689.2	5858.8	7526.8	10543.6	11091.8
40°	8455.4	8471.7	8327.4	7793.6	7059.7	6621.5	6594.5	8150.7	11546.2	12258.5
42.5°	9281.3	9299.4	9153.3	8758.4	8082.2	7653.0	7497.9	8915.3	12525.4	13511.7
45°	9842.1	9953.9	9932.3	9616.7	9131.6	8686.2	8583.5	9874.6	13641.6	14840.7
47.5°	10000.8	10103.6	10265.9	10309.2	10013.4	9575.2	9697.9	11030.5	14770.4	16171.5
50°	9609.5	9705.1	10042.3	10491.3	10696.9	10561.6	10781.6	12269.3	15926.3	17498.7
52.5°	8837.7	8935.1	9360.7	10071.1	10909.7	11335.2	11869.0	13490.1	17046.1	18755.6
55°	7721.5	7824.3	8370.7	9174.9	10503.9	11654.4	12776.0	14709.1	18072.2	19886.2
57.5°	6203.2	6278.9	6846.9	7972.2	9483.3	11337.0	13445.0	16039.9	19038.7	20997.0
60°	4042.9	4109.6	4769.6	6024.7	7791.8	10276.7	13578.5	17524.0	20322.6	22441.4
62.5°	2688.6	2733.7	3125.0	4046.5	5487.3	8240.8	12797.7	18708.7	22205.2	24955.2
65°	1844.7	1889.8	2281.1	2923.1	3545.2	5451.2	10552.6	18551.8	23911.1	26951.4
67.5°	1316.4	1354.2	1686.0	2291.9	2566.0	3166.5	7153.5	16546.6	23665.8	27027.1
70°	943.1	964.7	1238.8	1785.2	2039.5	1902.4	3978.0	12655.2	20721.1	24957.0
72.5°	660.0	667.2	860.1	1359.6	1642.8	1388.5	1893.4	8437.4	15672.0	19588.7
75°	447.2	456.2	578.8	997.2	1318.2	1060.3	1002.6	4524.4	9200.2	10842.9
77.5°	274.1	277.7	373.3	681.6	986.4	807.9	645.6	1916.9	3559.6	3494.7
80°	155.1	155.1	238.0	423.8	672.6	521.1	452.6	815.1	1127.0	990.0
82.5°	86.6	88.4	173.1	263.3	445.4	308.4	248.8	376.9	486.9	431.0
85°	36.1	39.7	106.4	124.4	212.8	153.3	101.0	158.7	180.3	160.5
87.5°	3.6	5.4	32.5	23.4	25.2	30.7	14.4	30.7	25.2	25.2
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°
4149.3	0°	4149.3	4149.3	4149.3	4149.3	4149.3	4149.3	4149.3	4149.3	4149.3	4149.3
4210.6	2.5°	4176.3	4149.3	4080.8	4001.4	3896.8	3846.3	3777.8	3730.9	3691.2	3694.9
4315.2	5°	4257.5	4188.9	4035.7	3844.5	3606.5	3437.0	3256.7	3132.2	3031.3	3009.6
4459.4	7.5°	4369.3	4261.1	3992.4	3648.0	3245.8	2941.1	2668.8	2493.9	2369.5	2329.8
4634.3	10°	4513.5	4356.6	3936.5	3400.9	2822.1	2434.4	2142.3	2005.2	1920.5	1891.6
4839.9	12.5°	4681.2	4466.6	3862.6	3099.8	2385.7	2012.4	1826.7	1758.2	1731.1	1722.1
5092.4	15°	4892.2	4603.7	3750.8	2742.7	2016.0	1754.6	1675.2	1666.2	1669.8	1666.2
5395.3	17.5°	5142.9	4753.4	3568.6	2374.9	1767.2	1622.9	1594.1	1601.3	1610.3	1608.5
5734.3	20°	5417.0	4901.2	3336.0	2048.5	1597.7	1529.2	1512.9	1520.1	1527.4	1523.7
6125.6	22.5°	5728.9	5059.9	3078.1	1794.2	1484.1	1442.6	1424.6	1426.4	1426.4	1419.2
6621.5	25°	6102.2	5234.8	2807.7	1613.9	1397.5	1365.1	1343.4	1336.2	1325.4	1303.7
7223.8	27.5°	6547.6	5420.6	2548.0	1487.7	1329.0	1298.3	1273.1	1255.1	1228.0	1191.9
7946.9	30°	7048.9	5646.0	2328.0	1408.3	1274.9	1244.2	1215.4	1188.3	1148.7	1103.6
8778.2	32.5°	7638.6	5887.6	2167.5	1356.0	1226.2	1193.8	1159.5	1127.0	1083.8	1038.7
9712.3	35°	8341.8	6179.7	2073.7	1320.0	1188.3	1145.1	1107.2	1071.1	1038.7	999.0
10727.5	37.5°	9104.6	6489.9	2044.9	1301.9	1163.1	1096.4	1053.1	1027.9	1024.2	1000.8
11825.7	40°	9939.5	6857.8	2066.5	1291.1	1136.0	1049.5	1002.6	997.2	1006.2	964.7
12999.6	42.5°	10823.1	7294.1	2102.6	1278.5	1098.2	1002.6	957.5	957.5	950.3	892.6
14240.3	45°	11778.8	7797.2	2138.7	1247.8	1053.1	955.7	921.5	908.8	878.2	822.3
15488.1	47.5°	12741.8	8309.4	2165.7	1191.9	999.0	916.1	885.4	856.5	811.5	761.0
16712.5	50°	13656.0	8769.2	2136.8	1109.0	937.7	878.2	845.7	806.1	757.4	723.1
17872.0	52.5°	14472.9	9167.7	2014.2	1011.6	872.8	838.5	809.7	768.2	728.5	692.4
18917.9	55°	15183.4	9490.5	1797.8	919.7	815.1	804.2	775.4	723.1	669.0	638.3
19954.7	57.5°	15865.0	9735.7	1527.4	843.9	762.8	766.4	723.1	676.2	625.7	593.3
21352.3	60°	16772.0	10063.9	1253.3	773.6	706.9	717.7	670.8	636.5	573.4	532.0
23748.8	62.5°	18221.8	10574.2	995.4	687.0	642.0	645.6	625.7	584.3	508.5	459.8
25525.0	65°	19372.3	10386.7	784.4	593.3	568.0	573.4	573.4	528.4	447.2	391.3
25620.6	67.5°	19242.5	8893.6	625.7	501.3	497.7	501.3	513.9	476.1	396.7	351.6
23669.4	70°	17725.9	7074.1	501.3	416.6	432.8	423.8	459.8	434.6	357.0	312.0
18349.9	72.5°	14463.9	5096.0	382.3	344.4	331.8	346.2	414.7	391.3	297.5	247.0
9719.5	75°	8451.8	2719.3	284.9	272.3	239.8	288.5	367.9	333.6	227.2	182.1
2979.0	77.5°	2751.8	948.5	209.2	200.2	178.5	232.6	313.8	281.3	185.7	144.3
872.8	80°	737.5	286.7	142.5	131.6	115.4	173.1	248.8	223.6	133.4	93.8
375.1	82.5°	295.7	120.8	82.9	73.9	63.1	119.0	196.6	180.3	99.2	59.5
117.2	85°	95.6	39.7	30.7	23.4	28.9	73.9	117.2	122.6	70.3	30.7
18.0	87.5°	12.6	5.4	5.4	7.2	5.4	12.6	36.1	34.3	19.8	3.6
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

<u>180°</u>
4149.3
3658.8
2960.9
2290.1
1870.0
1716.7
1664.4
1604.9
1521.9
1415.6
1300.1
1188.3
1100.0
1040.5
995.4
999.0
966.5
892.6
820.5
759.2
717.7
688.8
634.7
589.7
526.5
456.2
385.9
344.4
306.6
241.6
176.7
138.9
92.0
59.5
23.4
0.0
0.0

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