

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: P851065

Luminaire Tested: **GLAN-SB8D-840-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851065
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-SB8D-840-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 4000K, 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: 53436 lumens
Efficiency: N/A
Efficacy: 91.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

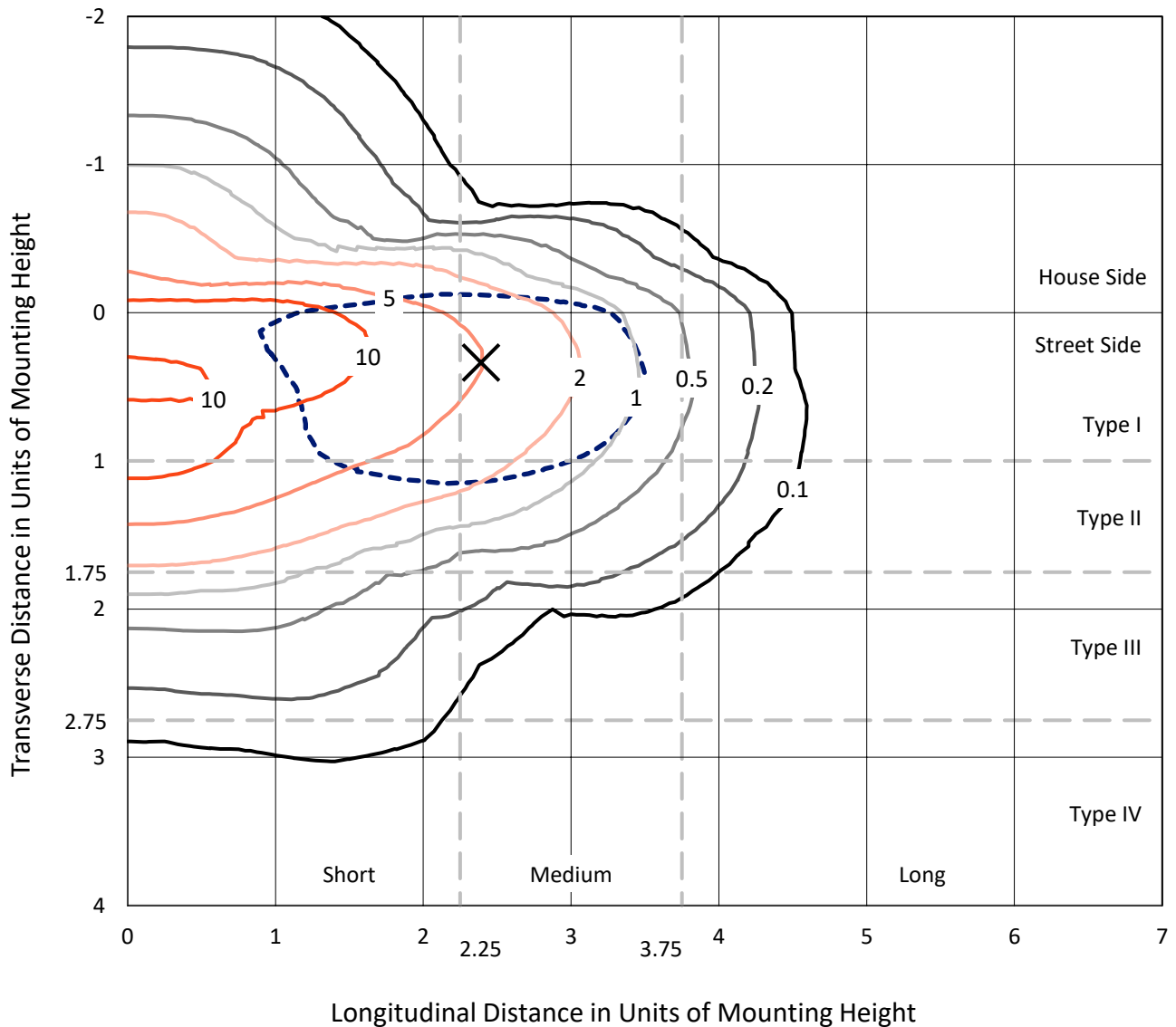
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

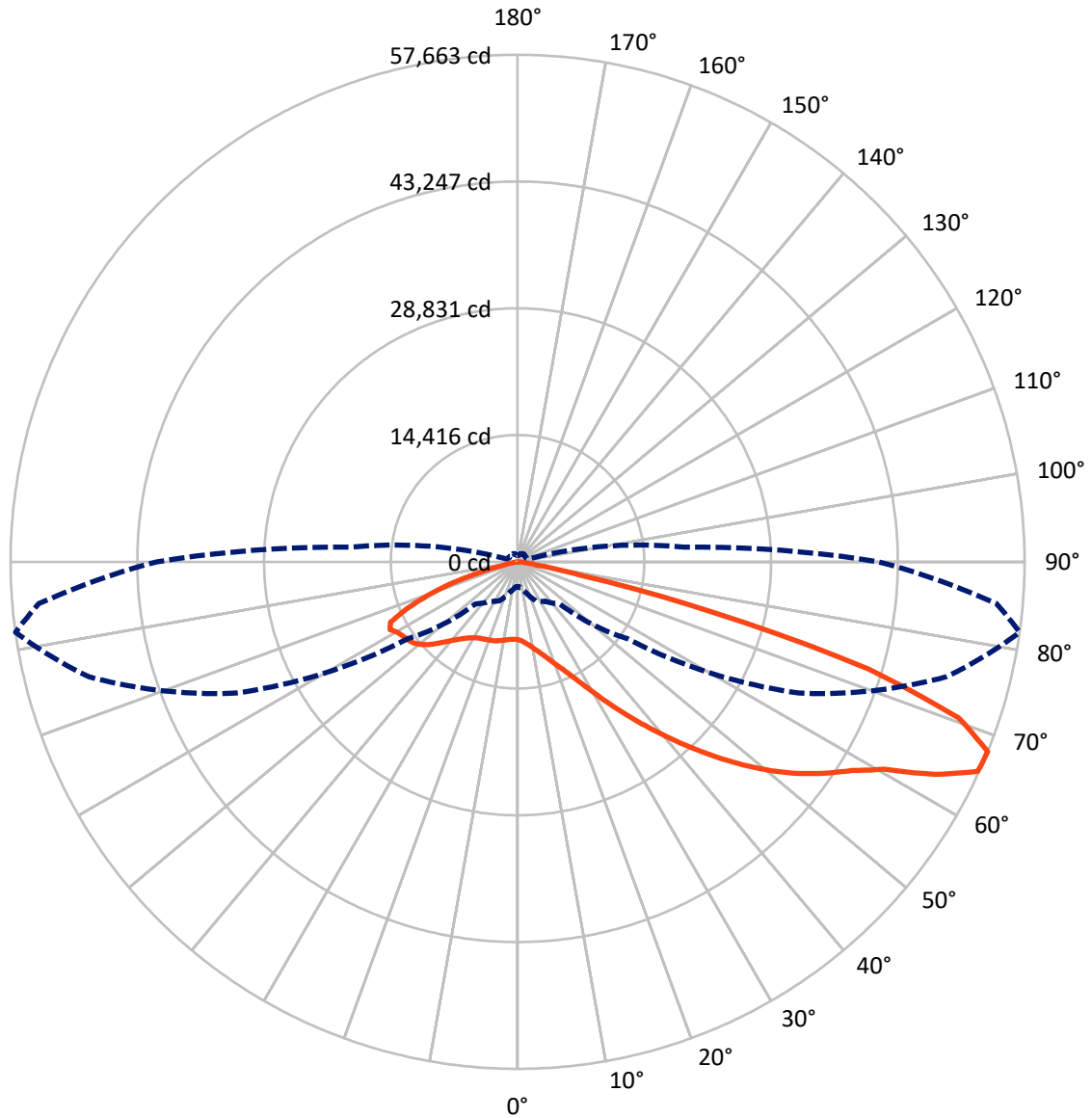
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.7 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	9679.5	0.0	9679.5
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	43756.5	0.0	43756.5
	% Fixture	81.9	0.0	81.9
Total	Lumens	53436.0	0.0	53436.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	788.7	1.5
10°-20°	2049.5	3.8
20°-30°	3282.6	6.1
30°-40°	5804.7	10.9
40°-50°	10170.4	19.0
50°-60°	13564.5	25.4
60°-70°	12627.9	23.6
70°-80°	4846.6	9.1
80°-90°	301.0	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°	53436.0	100.0
0°-180°	53436.0	100.0

Coefficient of Utilization

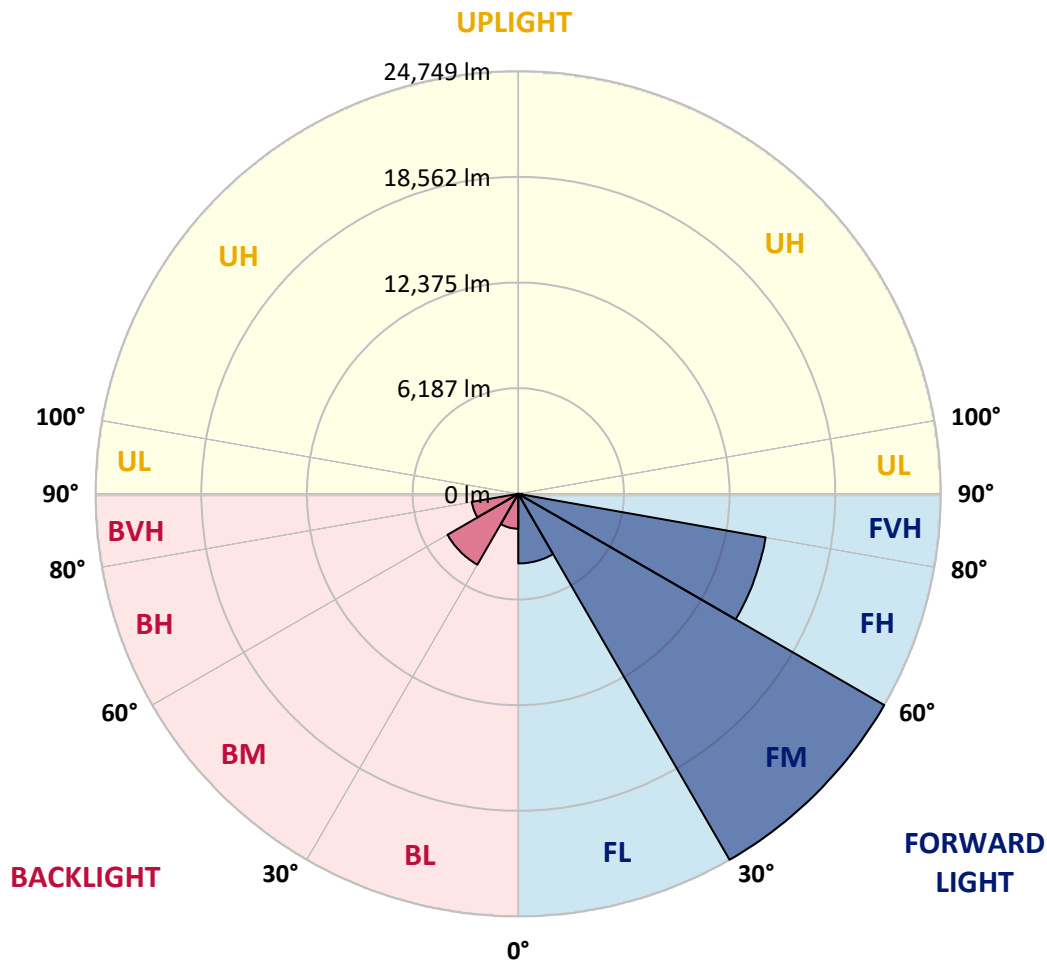


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4076.6	7.6			
FM (30°-60°)	24749.4	46.3			
FH (60°-80°)	14711.7	27.5			G5
FVH (80°-90°)	218.9	0.4			G2/225
BL (0°-30°)	2044.3	3.8	B3/2500		
BM (30°-60°)	4790.3	9.0	B3/5000		
BH (60°-80°)	2762.7	5.2	B4/5000		G4/5000
BVH (80°-90°)	82.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	8852.5	8852.5	8852.5	8852.5	8852.5	8852.5	8852.5	8852.5	8852.5	8852.5
2.5°	9356.5	9410.4	9379.6	9364.2	9337.3	9298.8	9268.0	9171.9	9071.8	9006.4
5°	9545.0	9598.9	9595.1	9610.4	9629.7	9641.2	9633.5	9525.8	9383.5	9271.9
7.5°	9383.5	9445.0	9495.0	9572.0	9706.6	9849.0	9918.2	9895.1	9748.9	9595.1
10°	8925.6	8991.0	9110.3	9291.1	9575.8	9883.6	10141.4	10260.6	10168.3	9999.0
12.5°	8086.9	8152.3	8387.0	8779.4	9256.5	9791.3	10283.7	10603.0	10626.1	10456.8
15°	7144.4	7209.8	7459.8	7952.3	8679.4	9537.3	10360.7	10964.7	11168.6	11022.4
17.5°	6559.6	6617.3	6805.8	7202.1	7960.0	9029.5	10333.7	11349.4	11814.9	11699.5
20°	6382.6	6432.6	6521.1	6798.1	7429.1	8502.4	10156.8	11711.0	12511.3	12445.9
22.5°	6571.1	6617.3	6644.2	6767.3	7163.6	8156.2	9933.6	12080.4	13319.2	13326.9
25°	7005.9	7052.0	7021.2	7098.2	7271.3	8048.5	9849.0	12515.1	14334.9	14419.5
27.5°	7721.4	7725.3	7652.2	7648.3	7675.3	8210.0	9937.5	12980.6	15616.0	15773.8
30°	9156.5	9098.8	8817.9	8514.0	8375.5	8694.8	10183.7	13530.8	17128.0	17408.8
32.5°	11368.6	11284.0	10768.5	10041.3	9310.4	9475.8	10626.1	14157.9	18774.6	19282.4
35°	13769.3	13746.2	13207.6	12126.6	10849.3	10587.6	11345.6	14981.2	20571.3	21379.2
37.5°	16000.7	15989.2	15681.4	14408.0	12853.7	12138.1	12499.7	16058.4	22494.9	23664.5
40°	18039.8	18074.4	17766.6	16627.8	15062.0	14127.1	14069.4	17389.6	24634.0	26153.6
42.5°	19801.8	19840.3	19528.7	18686.1	17243.4	16327.8	15996.9	19020.8	26723.0	28827.5
45°	20998.3	21236.9	21190.7	20517.4	19482.5	18532.2	18312.9	21067.6	29104.5	31662.9
47.5°	21336.9	21556.2	21902.4	21994.8	21363.8	20428.9	20690.5	23533.7	31512.9	34502.2
50°	20502.0	20705.9	21425.4	22383.3	22821.9	22533.4	23002.7	26176.7	33979.0	37333.8
52.5°	18855.4	19063.2	19971.1	21486.9	23275.9	24183.9	25322.6	28781.3	36368.1	40015.3
55°	16474.0	16693.2	17859.0	19574.8	22410.3	24864.8	27257.8	31382.1	38557.2	42427.5
57.5°	13234.6	13396.1	14608.0	17008.7	20232.7	24187.7	28685.1	34221.3	40619.3	44797.5
60°	8625.5	8767.9	10176.0	12853.7	16624.0	21925.5	28969.8	37387.6	43358.6	47879.1
62.5°	5736.3	5832.4	6667.3	8633.2	11707.2	17582.0	27304.0	39915.3	47375.1	53242.2
65°	3935.7	4031.9	4866.8	6236.4	7563.7	11630.3	22514.1	39580.6	51014.6	57501.1
67.5°	2808.5	2889.3	3597.2	4889.9	5474.6	6755.8	15262.1	35302.4	50491.4	57662.7
70°	2012.1	2058.3	2643.1	3808.8	4351.2	4058.9	8487.0	27000.0	44208.8	53246.0
72.5°	1408.1	1423.5	1835.1	2900.8	3504.9	2962.4	4039.6	18001.3	33436.5	41792.7
75°	954.1	973.4	1235.0	2127.5	2812.3	2262.2	2139.1	9652.8	19628.7	23133.6
77.5°	584.8	592.5	796.4	1454.3	2104.4	1723.6	1377.3	4089.6	7594.5	7456.0
80°	330.9	330.9	507.8	904.1	1435.0	1111.9	965.7	1739.0	2404.5	2112.1
82.5°	184.7	188.5	369.3	561.7	950.3	657.9	530.9	804.1	1038.8	919.5
85°	76.9	84.6	227.0	265.5	454.0	327.0	215.4	338.6	384.7	342.4
87.5°	7.7	11.5	69.3	50.0	53.9	65.4	30.8	65.4	53.9	53.9
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°
8852.5	0°	8852.5	8852.5	8852.5	8852.5	8852.5	8852.5	8852.5	8852.5	8852.5	8852.5
8983.3	2.5°	8910.2	8852.5	8706.3	8537.1	8313.9	8206.2	8060.0	7960.0	7875.3	7883.0
9206.5	5°	9083.4	8937.2	8610.2	8202.4	7694.5	7332.9	6948.1	6682.7	6467.2	6421.1
9514.3	7.5°	9321.9	9091.1	8517.8	7783.0	6925.1	6274.9	5693.9	5320.8	5055.3	4970.7
9887.4	10°	9629.7	9295.0	8398.6	7255.9	6021.0	5193.8	4570.5	4278.1	4097.3	4035.8
10326.0	12.5°	9987.5	9529.7	8240.8	6613.4	5089.9	4293.5	3897.3	3751.1	3693.4	3674.1
10864.7	15°	10437.6	9822.0	8002.3	5851.7	4301.2	3743.4	3574.1	3554.9	3562.6	3554.9
11511.0	17.5°	10972.4	10141.4	7613.7	5066.8	3770.3	3462.5	3401.0	3416.4	3435.6	3431.8
12234.3	20°	11557.2	10456.8	7117.4	4370.5	3408.7	3262.5	3227.8	3243.2	3258.6	3250.9
13069.1	22.5°	12222.7	10795.4	6567.3	3828.0	3166.3	3077.8	3039.3	3043.2	3043.2	3027.8
14127.1	25°	13019.1	11168.6	5990.2	3443.3	2981.6	2912.4	2866.2	2850.8	2827.7	2781.6
15412.1	27.5°	13969.4	11564.9	5436.2	3174.0	2835.4	2770.0	2716.2	2677.7	2620.0	2543.0
16954.9	30°	15038.9	12045.8	4966.8	3004.7	2720.0	2654.6	2593.1	2535.3	2450.7	2354.5
18728.4	32.5°	16297.0	12561.3	4624.4	2893.1	2616.1	2546.9	2473.8	2404.5	2312.2	2216.0
20721.3	35°	17797.4	13184.5	4424.3	2816.2	2535.3	2443.0	2362.2	2285.3	2216.0	2131.4
22887.3	37.5°	19424.8	13846.3	4362.8	2777.7	2481.5	2339.1	2246.8	2192.9	2185.2	2135.2
25230.3	40°	21206.1	14631.1	4409.0	2754.6	2423.8	2239.1	2139.1	2127.5	2146.8	2058.3
27734.9	42.5°	23091.2	15562.2	4485.9	2727.7	2343.0	2139.1	2042.9	2042.9	2027.5	1904.4
30381.8	45°	25130.3	16635.5	4562.8	2662.3	2246.8	2039.0	1965.9	1939.0	1873.6	1754.3
33044.1	47.5°	27184.7	17728.2	4620.6	2543.0	2131.4	1954.4	1889.0	1827.4	1731.3	1623.5
35656.4	50°	29135.3	18709.2	4559.0	2366.1	2000.6	1873.6	1804.4	1719.7	1615.8	1542.7
38130.2	52.5°	30878.1	19559.5	4297.4	2158.3	1862.1	1789.0	1727.4	1638.9	1554.3	1477.3
40361.6	55°	32393.9	20248.1	3835.7	1962.1	1739.0	1715.9	1654.3	1542.7	1427.3	1361.9
42573.7	57.5°	33848.2	20771.3	3258.6	1800.5	1627.4	1635.1	1542.7	1442.7	1335.0	1265.7
45555.4	60°	35783.3	21471.5	2673.8	1650.5	1508.1	1531.2	1431.2	1358.1	1223.4	1134.9
50668.4	62.5°	38876.5	22560.3	2123.7	1465.8	1369.6	1377.3	1335.0	1246.5	1084.9	981.1
54457.9	65°	41331.1	22160.2	1673.6	1265.7	1211.9	1223.4	1223.4	1127.2	954.1	834.9
54661.8	67.5°	41054.1	18974.7	1335.0	1069.5	1061.8	1069.5	1096.5	1015.7	846.4	750.2
50499.1	70°	37818.5	15092.8	1069.5	888.7	923.3	904.1	981.1	927.2	761.8	665.6
39149.7	72.5°	30858.8	10872.3	815.6	734.8	707.9	738.7	884.9	834.9	634.8	527.1
20736.7	75°	18032.1	5801.7	607.9	580.9	511.7	615.6	784.8	711.7	484.8	388.6
6355.7	77.5°	5870.9	2023.7	446.3	427.0	380.9	496.3	669.4	600.2	396.3	307.8
1862.1	80°	1573.5	611.7	303.9	280.8	246.2	369.3	530.9	477.1	284.7	200.1
800.2	82.5°	631.0	257.8	177.0	157.7	134.7	253.9	419.4	384.7	211.6	127.0
250.1	85°	203.9	84.6	65.4	50.0	61.6	157.7	250.1	261.6	150.0	65.4
38.5	87.5°	26.9	11.5	11.5	15.4	11.5	26.9	76.9	73.1	42.3	7.7
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°
8852.5
7806.1
6317.2
4886.0
3989.6
3662.6
3551.0
3424.1
3247.1
3020.1
2773.9
2535.3
2346.8
2219.9
2123.7
2131.4
2062.1
1904.4
1750.5
1619.7
1531.2
1469.7
1354.2
1258.1
1123.4
973.4
823.3
734.8
654.0
515.5
377.0
296.2
196.2
127.0
50.0
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0.0

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