

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: P849636

Luminaire Tested: **GLAN-SB6D-735-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849636
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6D-735-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 60000 lumens
Efficiency: N/A
Efficacy: 136.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

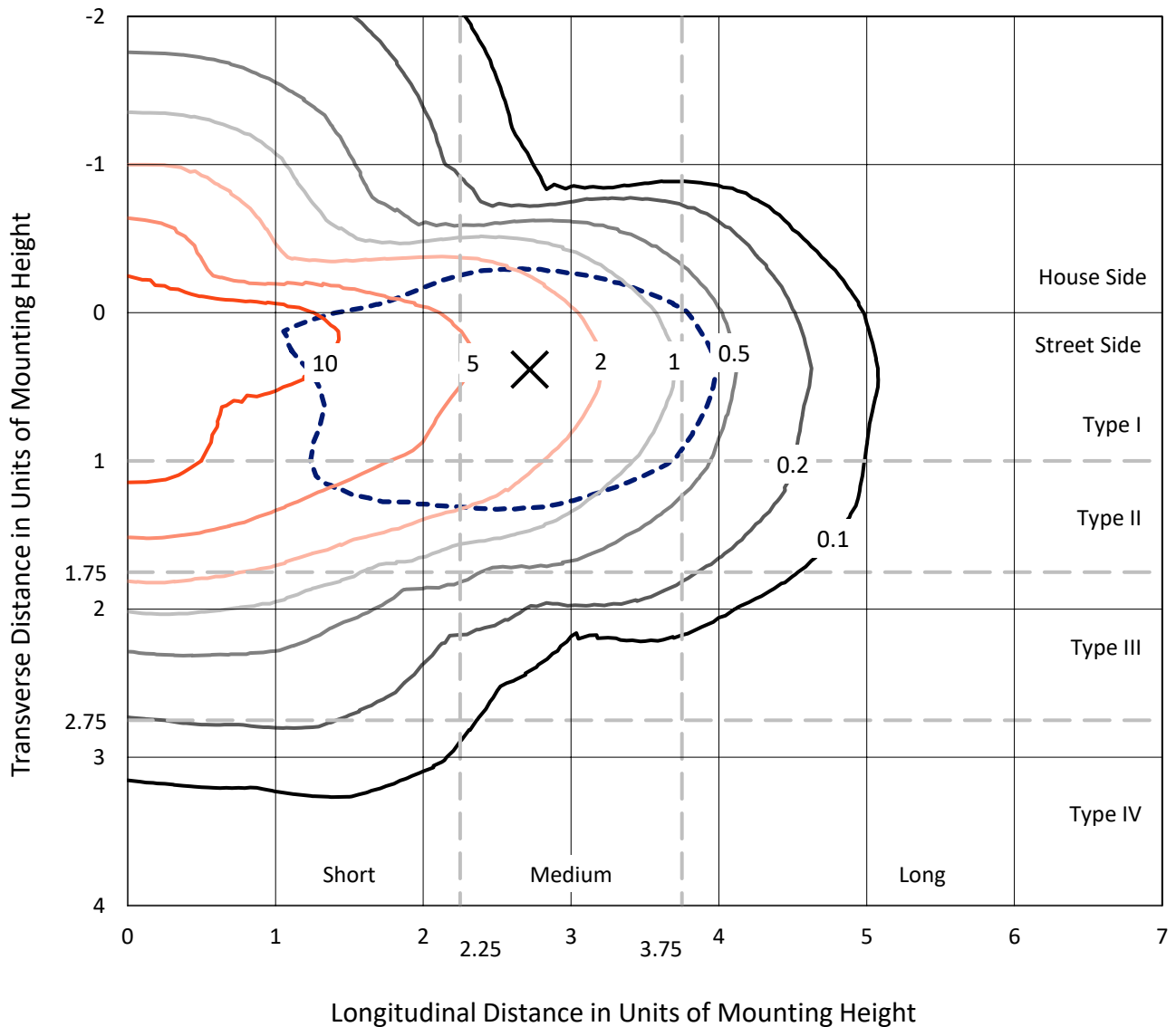
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

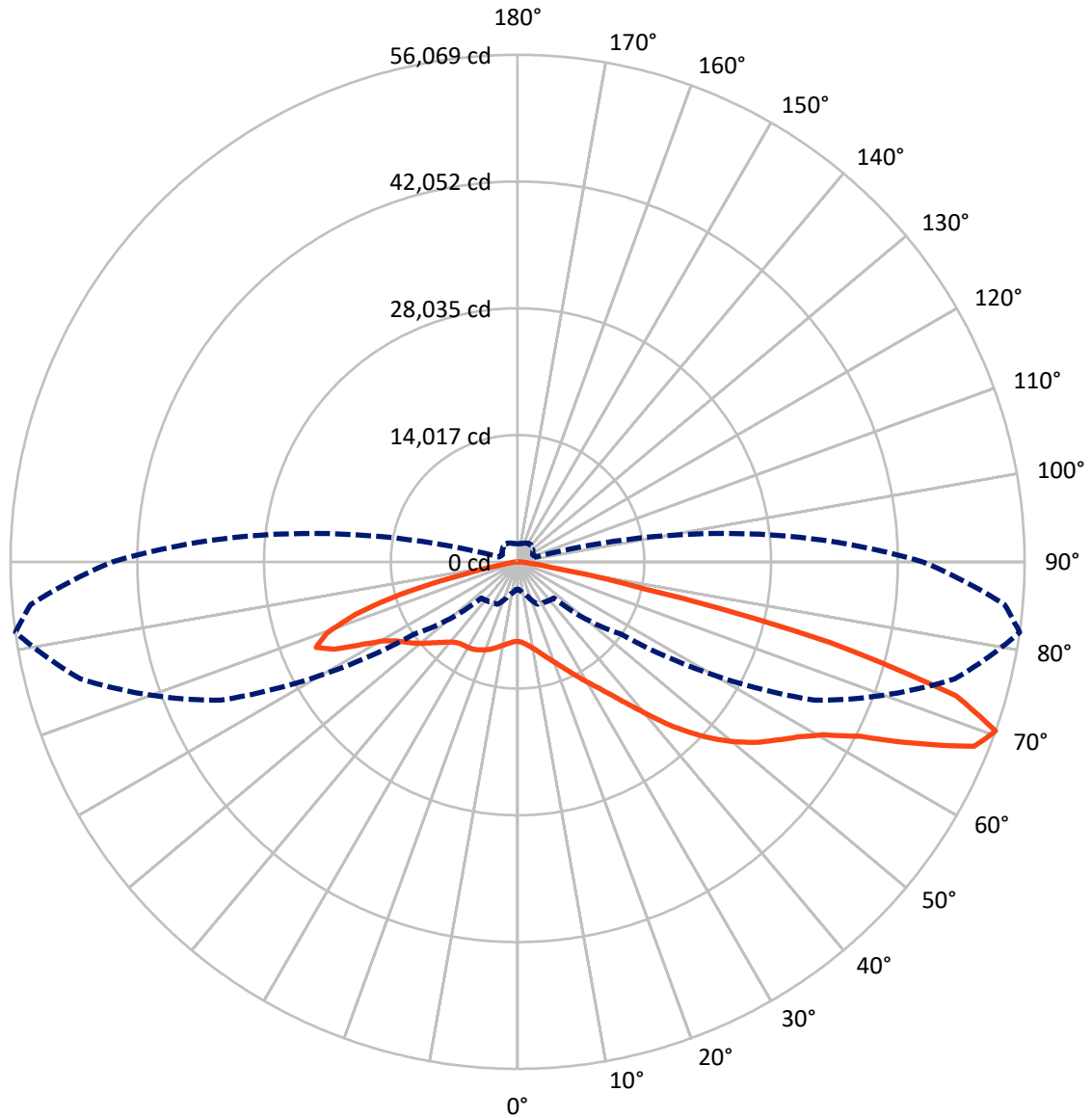
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14791.5	0.0	14791.5
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	45208.5	0.0	45208.5
	% Fixture	75.3	0.0	75.3
Total	Lumens	60000.0	0.0	60000.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	830.6	1.4
10°-20°	2386.3	4.0
20°-30°	3992.0	6.7
30°-40°	6236.5	10.4
40°-50°	9932.4	16.6
50°-60°	13822.1	23.0
60°-70°	14458.6	24.1
70°-80°	7556.8	12.6
80°-90°	784.7	1.3
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°	60000.0	100.0
0°-180°	60000.0	100.0

Coefficient of Utilization

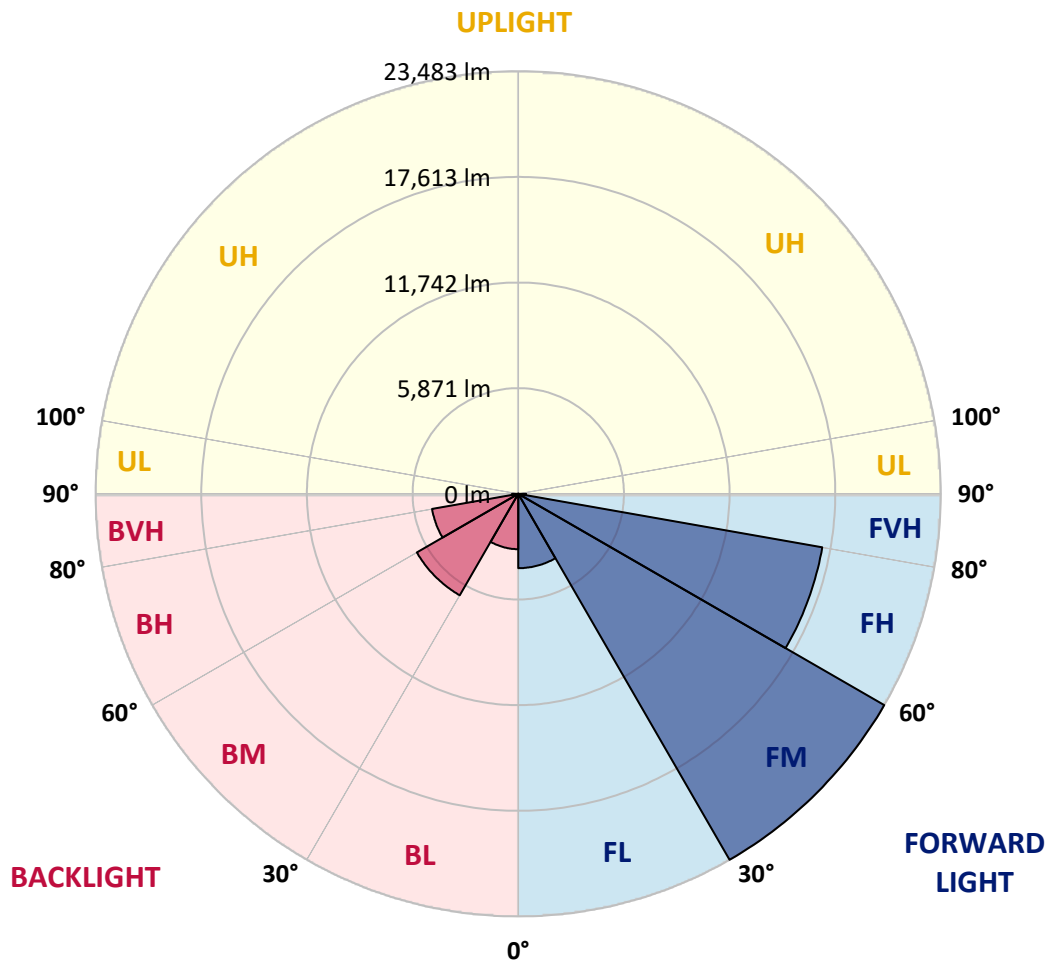


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4131.7	6.9			
FM (30°-60°)	23483.4	39.1			
FH (60°-80°)	17154.2	28.6			G5
FVH (80°-90°)	439.3	0.7			G3/500
BL (0°-30°)	3077.2	5.1	B4/5000		
BM (30°-60°)	6507.7	10.8	B4/8500		
BH (60°-80°)	4861.2	8.1	B4/5000		G4/5000
BVH (80°-90°)	345.4	0.6			G3/500
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°	8796.8	8796.8	8796.8	8796.8	8796.8	8796.8	8796.8	8796.8	8796.8	8796.8
2.5°	9006.9	9057.8	9041.9	9026.0	9026.0	9003.7	9000.5	8968.7	8943.2	8901.8
5°	9121.5	9175.6	9169.3	9182.0	9223.4	9232.9	9242.5	9223.4	9172.4	9121.5
7.5°	9019.6	9080.1	9099.2	9175.6	9303.0	9417.6	9503.5	9538.6	9490.8	9417.6
10°	8675.8	8742.6	8809.5	8991.0	9217.0	9487.6	9716.9	9853.8	9844.2	9774.2
12.5°	7978.5	8048.6	8191.8	8545.2	8959.1	9436.7	9863.3	10149.9	10248.5	10197.6
15°	7421.4	7481.9	7590.1	7953.1	8491.1	9217.0	9917.4	10474.6	10726.1	10697.5
17.5°	7405.4	7430.9	7497.8	7669.7	8083.6	8873.2	9860.1	10793.0	11273.7	11270.5
20°	7685.6	7695.2	7733.4	7768.4	8004.0	8612.1	9713.7	11057.2	11888.2	11888.2
22.5°	8074.0	8067.7	8105.9	8074.0	8188.7	8589.8	9621.3	11289.6	12572.7	12623.6
25°	8656.7	8624.8	8615.3	8542.0	8564.3	8796.8	9723.2	11553.9	13384.6	13489.6
27.5°	9433.5	9382.6	9347.5	9178.8	9121.5	9223.4	10035.2	11872.3	14288.7	14470.2
30°	10445.9	10353.6	10302.7	10009.8	9802.8	9818.7	10506.4	12295.7	15234.3	15527.2
32.5°	11827.7	11684.4	11547.5	11066.8	10687.9	10563.7	11114.5	12881.5	16259.5	16727.5
35°	13375.0	13260.4	13113.9	12372.1	11789.5	11503.0	11935.9	13699.8	17459.8	18201.6
37.5°	14865.0	14766.3	14836.4	13836.7	13085.3	12668.2	13012.1	14798.2	18940.2	20035.5
40°	16406.0	16329.5	16339.1	15384.0	14508.4	14040.4	14317.4	16176.7	20637.2	22216.3
42.5°	18080.6	18023.3	17832.3	16985.4	16001.6	15565.4	15820.1	17768.6	22458.3	24699.7
45°	19955.9	19920.8	19742.5	18771.5	17644.4	17154.1	17498.0	19526.0	24289.0	27036.6
47.5°	21576.4	21605.0	21582.8	20764.5	19596.1	18876.6	19287.3	21359.9	25992.3	29233.4
50°	22356.4	22506.1	22725.7	22471.0	21745.1	21012.9	21092.5	23130.1	27616.0	31293.3
52.5°	21948.9	22232.3	22830.8	23238.3	23518.5	23365.7	23152.4	24887.5	29144.2	33152.6
55°	20430.2	20828.2	21821.5	22805.3	24234.8	25346.0	25626.1	26836.0	30634.2	34789.0
57.5°	17663.5	18309.8	19201.3	21191.2	23598.1	26304.3	28510.6	29539.0	32213.4	36536.9
60°	12919.7	13785.7	14893.7	17854.6	21369.4	25791.7	30965.3	33690.6	34457.9	38800.6
62.5°	8268.2	8803.1	9821.9	12610.9	16651.1	23165.1	31716.7	38880.2	38262.5	42512.9
65°	5660.7	6004.6	6937.4	8503.8	10764.3	17243.3	29704.6	42770.7	44305.3	48396.5
67.5°	4113.4	4374.5	5170.4	6542.6	7013.8	10204.0	23050.5	42592.4	50179.4	54458.3
70°	2999.1	3183.8	3852.4	5170.4	5396.5	5676.7	13964.0	36205.8	50052.0	56069.3
72.5°	2222.3	2349.6	2798.5	4011.5	4368.1	3833.3	6912.0	26313.8	43009.5	50714.2
75°	1607.8	1703.3	2034.4	3069.2	3495.8	2919.5	3448.0	15377.6	30000.6	35674.1
77.5°	1228.9	1302.2	1518.7	2247.7	2798.5	2190.4	2139.5	7074.3	14225.1	14295.1
80°	987.0	1034.7	1152.5	1582.3	2145.9	1639.6	1394.5	2855.8	4495.5	3804.6
82.5°	725.9	805.5	974.2	1111.1	1534.6	1130.2	850.1	1442.2	1709.7	1470.9
85°	413.9	468.0	589.0	795.9	980.6	690.9	487.1	639.9	795.9	652.7
87.5°	146.5	191.0	206.9	312.0	426.6	286.5	187.8	184.7	261.1	194.2
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°
8796.8	0°	8796.8	8796.8	8796.8	8796.8	8796.8	8796.8	8796.8	8796.8	8796.8	8796.8
8892.3	2.5°	8860.4	8844.5	8780.8	8694.9	8605.7	8519.8	8491.1	8430.6	8389.2	8366.9
9099.2	5°	9038.7	8987.8	8838.1	8647.1	8446.5	8230.0	8077.2	7937.1	7835.3	7739.7
9382.6	7.5°	9293.4	9204.3	8946.4	8612.1	8255.5	7895.7	7628.3	7424.5	7287.6	7198.5
9713.7	10°	9589.5	9452.6	9057.8	8558.0	8007.2	7491.4	7176.2	7001.1	6915.1	6867.4
10092.5	12.5°	9930.2	9736.0	9172.4	8433.8	7628.3	7039.3	6822.8	6771.9	6775.1	6778.2
10570.1	15°	10350.4	10079.8	9264.8	8163.2	7134.8	6692.3	6654.1	6736.9	6822.8	6864.2
11111.3	17.5°	10824.8	10442.8	9280.7	7717.5	6650.9	6469.4	6590.4	6768.7	6899.2	6956.5
11716.3	20°	11334.2	10812.1	9166.1	7087.1	6252.9	6287.9	6504.4	6733.7	6876.9	6950.2
12407.1	22.5°	11916.8	11206.9	8892.3	6424.8	5928.2	6090.5	6345.2	6568.1	6717.7	6791.0
13219.0	25°	12582.3	11649.4	8462.5	5867.7	5648.0	5867.7	6122.4	6307.0	6428.0	6494.9
14126.4	27.5°	13320.9	12111.1	7889.4	5425.1	5402.9	5638.5	5848.6	5991.9	6055.5	6106.5
15091.1	30°	14062.7	12531.3	7195.3	5090.8	5189.5	5412.4	5562.0	5625.7	5644.8	5654.4
16167.2	32.5°	14865.0	12894.3	6466.2	4813.9	4985.8	5192.7	5281.9	5310.5	5221.4	5160.9
17472.5	35°	15836.1	13282.7	5753.1	4594.2	4785.2	4963.5	4992.1	4966.7	4861.6	4737.4
19109.0	37.5°	17036.3	13766.6	5183.2	4438.2	4597.4	4715.2	4680.1	4673.8	4683.3	4536.9
21076.5	40°	18507.2	14397.0	4766.1	4317.2	4444.5	4470.0	4371.3	4425.4	4473.2	4250.3
23235.1	42.5°	20140.5	15157.9	4501.8	4234.4	4317.2	4256.7	4103.9	4164.4	4158.0	3865.1
25403.3	45°	21805.6	15985.7	4409.5	4173.9	4199.4	4078.4	3909.7	3925.6	3791.9	3527.6
27482.3	47.5°	23461.2	16874.0	4466.8	4123.0	4052.9	3916.0	3785.5	3715.5	3518.1	3320.7
29475.3	50°	25084.9	17806.8	4677.0	4021.1	3852.4	3772.8	3677.3	3553.1	3343.0	3174.2
31360.1	52.5°	26590.8	18746.0	4912.6	3852.4	3600.8	3648.6	3588.1	3444.8	3237.9	3066.0
33143.0	55°	28017.2	19685.2	5004.9	3619.9	3365.2	3540.3	3505.3	3241.1	2992.7	2852.7
35008.7	57.5°	29570.8	20815.5	4903.0	3323.9	3174.2	3416.2	3282.5	2989.6	2846.3	2741.2
37437.9	60°	31723.1	22588.8	4683.3	2957.7	2992.7	3231.5	3002.3	2881.3	2725.3	2607.5
41080.2	62.5°	35298.4	25896.8	4329.9	2594.8	2779.4	2957.7	2868.6	2747.6	2588.4	2473.8
47307.6	65°	40583.5	30494.1	3664.5	2311.4	2540.6	2690.3	2725.3	2604.3	2438.8	2317.8
52764.6	67.5°	45040.8	33378.6	2773.1	2075.8	2295.5	2473.8	2572.5	2454.7	2279.6	2161.8
54041.3	70°	44795.6	31283.7	2117.2	1843.4	2079.0	2260.5	2387.8	2295.5	2107.7	1996.2
49087.3	72.5°	39787.5	26170.6	1712.9	1607.8	1859.3	2037.6	2190.4	2120.4	1929.4	1821.1
35960.7	75°	29230.2	18577.3	1369.0	1369.0	1585.5	1805.2	1973.9	1929.4	1754.3	1677.8
15097.4	77.5°	12321.2	7793.9	1072.9	1136.6	1318.1	1550.5	1760.6	1776.5	1623.7	1719.2
3992.4	80°	3276.1	2149.0	818.2	894.6	1034.7	1279.9	1531.4	1525.0	1359.5	1270.3
1483.6	82.5°	1248.0	846.9	582.6	630.4	748.2	980.6	1213.0	1251.2	1085.7	939.2
582.6	85°	480.7	362.9	359.8	378.9	436.2	649.5	916.9	948.8	818.2	694.1
162.4	87.5°	124.2	108.2	133.7	127.4	200.6	347.0	525.3	544.4	499.9	289.7
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

<u>180°</u>
8796.8
8392.4
7777.9
7217.6
6880.1
6784.6
6861.0
6969.3
6969.3
6810.1
6514.0
6125.6
5676.7
5180.0
4743.8
4546.4
4256.7
3861.9
3537.2
3320.7
3161.5
3069.2
2839.9
2731.7
2601.1
2473.8
2324.2
2165.0
2005.8
1821.1
1655.6
1560.0
1181.2
939.2
716.3
413.9
0.0

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