

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: P849526

Luminaire Tested: **GLAN-SB6C-835-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849526
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-SB6C-835-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37258 lumens
Efficiency: N/A
Efficacy: 123.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

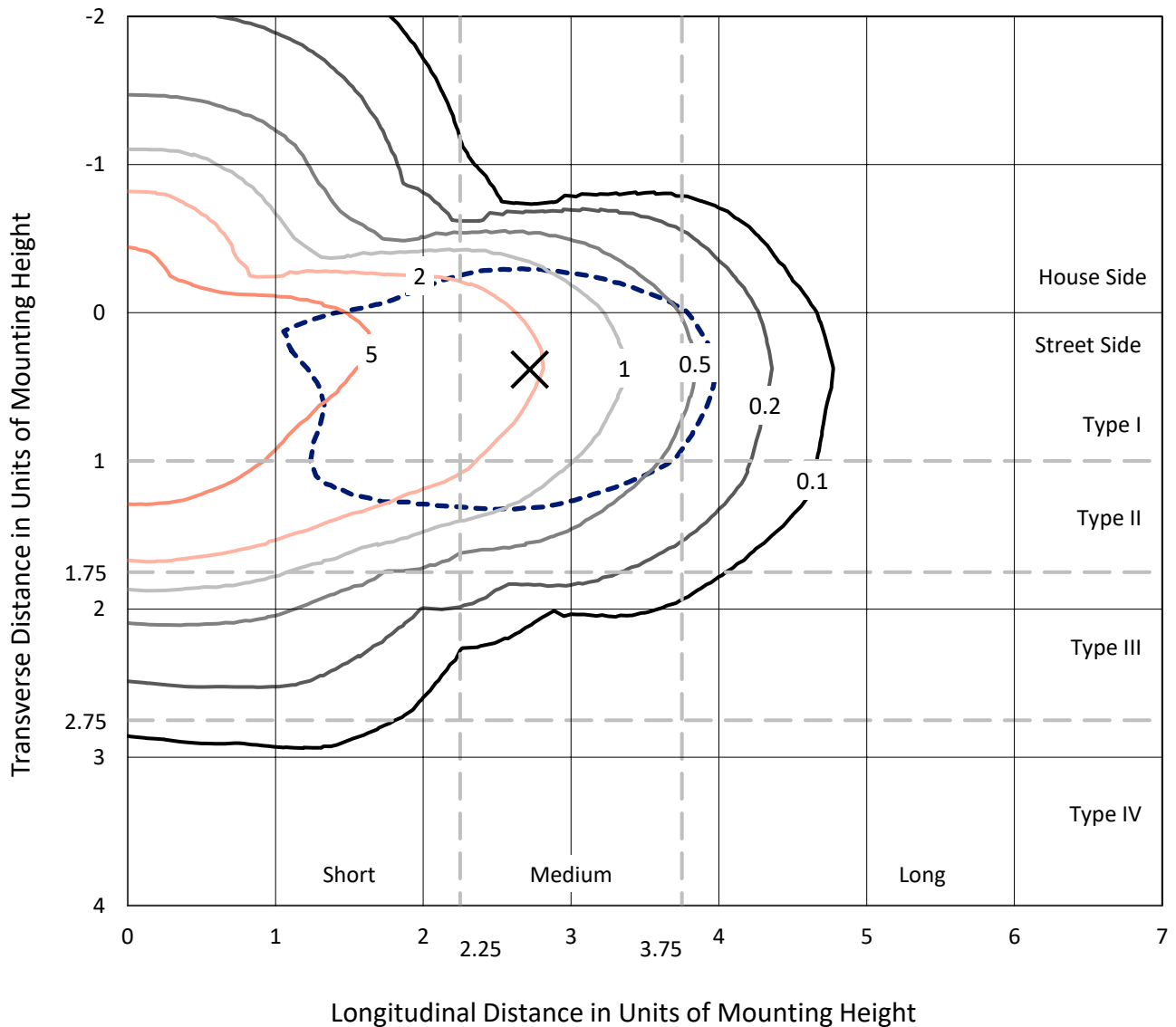
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

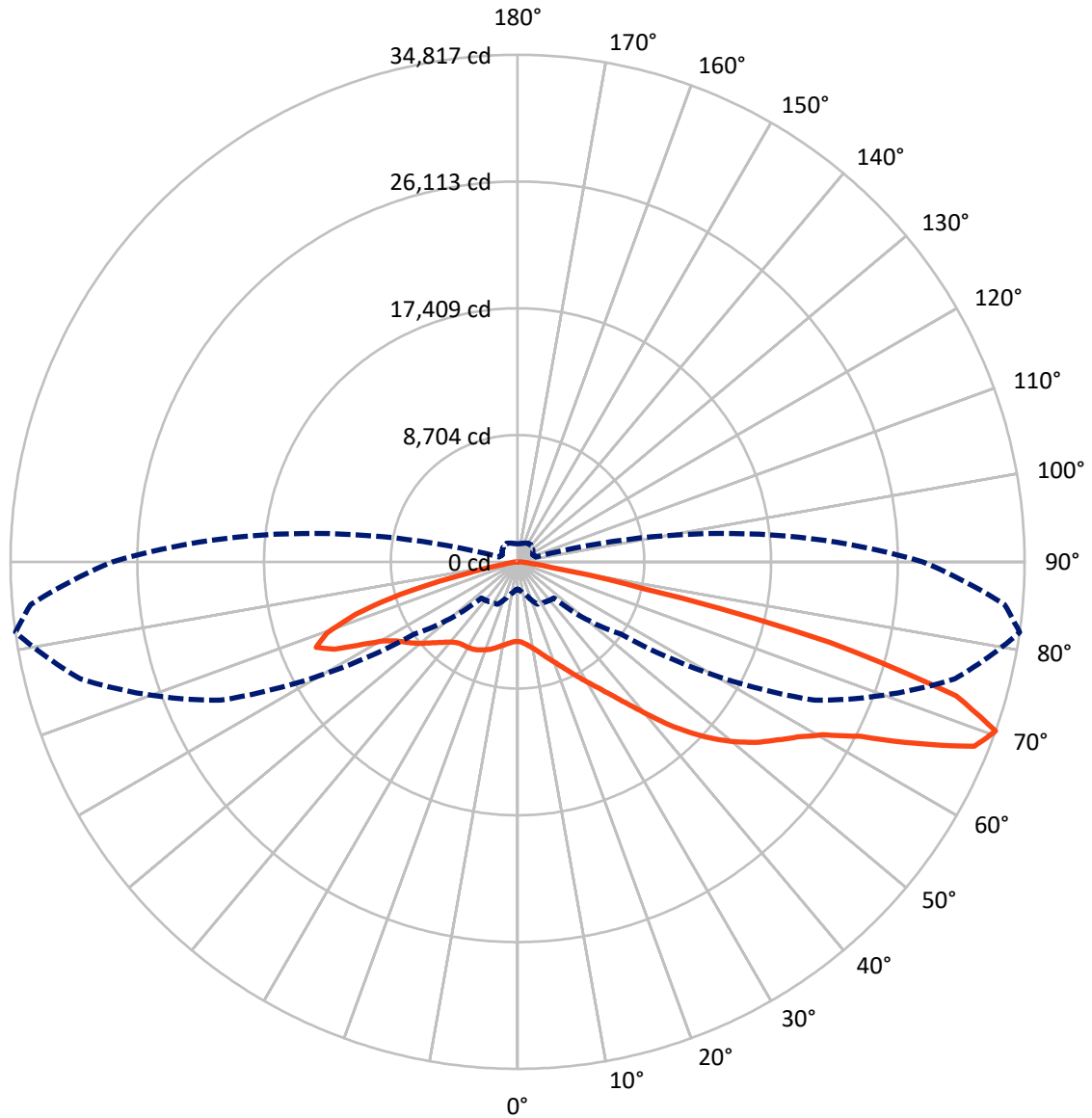
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.9 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	9185.0	0.0	9185.0
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	28073.0	0.0	28073.0
	% Fixture	75.3	0.0	75.3
Total	Lumens	37258.0	0.0	37258.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	515.8	1.4
10°-20°	1481.8	4.0
20°-30°	2478.9	6.7
30°-40°	3872.7	10.4
40°-50°	6167.7	16.6
50°-60°	8583.1	23.0
60°-70°	8978.3	24.1
70°-80°	4692.5	12.6
80°-90°	487.3	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°	37258.0	100.0
0°-180°	37258.0	100.0

Coefficient of Utilization

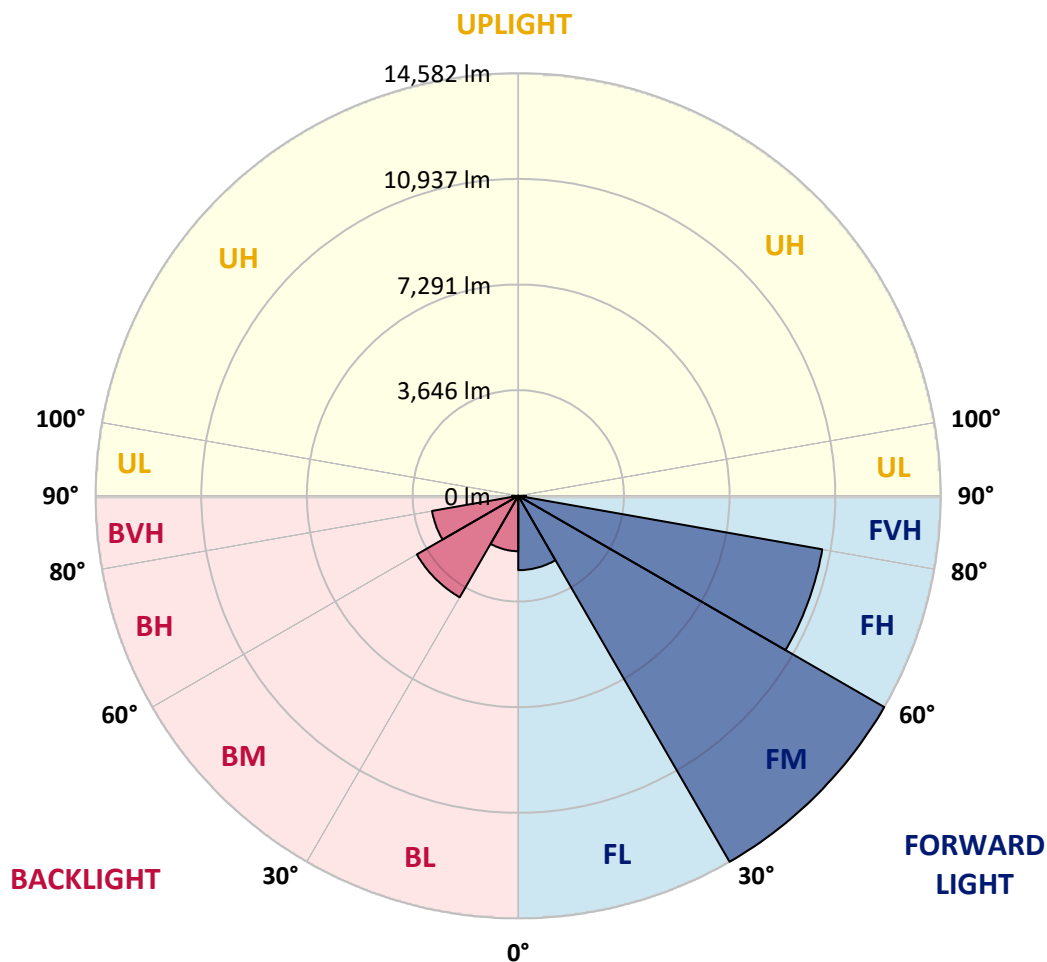


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2565.6	6.9			
FM (30°-60°)	14582.4	39.1			
FH (60°-80°)	10652.2	28.6			G4/12000
FVH (80°-90°)	272.8	0.7			G3/500
BL (0°-30°)	1910.8	5.1	B3/2500		
BM (30°-60°)	4041.0	10.8	B3/5000		
BH (60°-80°)	3018.7	8.1	B4/5000		G4/5000
BVH (80°-90°)	214.5	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	5462.5	5462.5	5462.5	5462.5	5462.5	5462.5	5462.5	5462.5	5462.5	5462.5
2.5°	5593.0	5624.6	5614.7	5604.8	5604.8	5591.0	5589.0	5569.2	5553.4	5527.7
5°	5664.1	5697.8	5693.8	5701.7	5727.4	5733.3	5739.3	5727.4	5695.8	5664.1
7.5°	5600.9	5638.4	5650.3	5697.8	5776.8	5848.0	5901.4	5923.1	5893.5	5848.0
10°	5387.4	5428.9	5470.4	5583.1	5723.5	5891.5	6033.8	6118.9	6112.9	6069.4
12.5°	4954.4	4997.9	5086.9	5306.3	5563.3	5859.9	6124.8	6302.7	6364.0	6332.4
15°	4608.4	4646.0	4713.2	4938.6	5272.7	5723.5	6158.4	6504.4	6660.6	6642.8
17.5°	4598.5	4614.3	4655.9	4762.6	5019.6	5509.9	6122.8	6702.1	7000.6	6998.6
20°	4772.5	4778.4	4802.2	4823.9	4970.2	5347.8	6031.9	6866.2	7382.2	7382.2
22.5°	5013.7	5009.8	5033.5	5013.7	5084.9	5334.0	5974.5	7010.5	7807.2	7838.9
25°	5375.5	5355.7	5349.8	5304.3	5318.2	5462.5	6037.8	7174.6	8311.4	8376.6
27.5°	5857.9	5826.3	5804.5	5699.7	5664.1	5727.4	6231.5	7372.3	8872.8	8985.5
30°	6486.6	6429.2	6397.6	6215.7	6087.2	6097.1	6524.1	7635.2	9460.0	9641.9
32.5°	7344.6	7255.6	7170.6	6872.1	6636.8	6559.7	6901.8	7999.0	10096.6	10387.2
35°	8305.4	8234.3	8143.3	7682.7	7320.9	7143.0	7411.8	8507.1	10841.9	11302.6
37.5°	9230.7	9169.4	9212.9	8592.1	8125.5	7866.5	8080.1	9189.2	11761.3	12441.3
40°	10187.6	10140.1	10146.0	9552.9	9009.3	8718.6	8890.6	10045.2	12815.0	13795.6
42.5°	11227.5	11191.9	11073.3	10547.4	9936.5	9665.6	9823.8	11033.7	13945.9	15337.7
45°	12391.9	12370.2	12259.5	11656.5	10956.6	10652.1	10865.7	12125.0	15082.6	16788.8
47.5°	13398.2	13416.0	13402.2	12894.1	12168.5	11721.7	11976.7	13263.8	16140.3	18152.9
50°	13882.6	13975.5	14111.9	13953.8	13503.0	13048.3	13097.7	14363.0	17148.6	19432.1
52.5°	13629.5	13805.5	14177.2	14430.2	14604.2	14509.3	14376.8	15454.3	18097.6	20586.6
55°	12686.5	12933.6	13550.5	14161.3	15049.0	15739.0	15913.0	16664.2	19022.8	21602.8
57.5°	10968.5	11369.8	11923.4	13159.0	14653.6	16334.1	17704.2	18342.7	20003.4	22688.2
60°	8022.7	8560.5	9248.5	11087.1	13269.7	16015.8	19228.4	20920.8	21397.2	24093.9
62.5°	5134.3	5466.4	6099.1	7831.0	10339.8	14384.8	19695.0	24143.3	23759.7	26399.1
65°	3515.1	3728.6	4307.9	5280.6	6684.3	10707.5	18445.5	26559.2	27512.1	30052.6
67.5°	2554.3	2716.4	3210.7	4062.8	4355.4	6336.3	14313.6	26448.5	31159.7	33816.8
70°	1862.3	1977.0	2392.2	3210.7	3351.0	3525.0	8671.2	22482.6	31080.6	34817.2
72.5°	1380.0	1459.0	1737.8	2491.0	2712.5	2380.3	4292.1	16340.0	26707.5	31491.9
75°	998.4	1057.7	1263.3	1905.8	2170.8	1812.9	2141.1	9549.0	18629.4	22152.4
77.5°	763.1	808.6	943.0	1395.8	1737.8	1360.2	1328.6	4392.9	8833.3	8876.8
80°	612.9	642.5	715.7	982.6	1332.5	1018.2	865.9	1773.4	2791.5	2362.5
82.5°	450.8	500.2	605.0	690.0	952.9	701.8	527.9	895.6	1061.7	913.4
85°	257.0	290.6	365.7	494.3	608.9	429.0	302.5	397.4	494.3	405.3
87.5°	90.9	118.6	128.5	193.7	264.9	177.9	116.6	114.7	162.1	120.6
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°
5462.5	0°	5462.5	5462.5	5462.5	5462.5	5462.5	5462.5	5462.5	5462.5	5462.5	5462.5
5521.8	2.5°	5502.0	5492.1	5452.6	5399.2	5343.9	5290.5	5272.7	5235.1	5209.4	5195.6
5650.3	5°	5612.7	5581.1	5488.2	5369.6	5245.0	5110.6	5015.7	4928.7	4865.4	4806.1
5826.3	7.5°	5770.9	5715.5	5555.4	5347.8	5126.4	4903.0	4736.9	4610.4	4525.4	4470.0
6031.9	10°	5954.8	5869.8	5624.6	5314.2	4972.2	4651.9	4456.2	4347.5	4294.1	4264.4
6267.1	12.5°	6166.3	6045.7	5695.8	5237.1	4736.9	4371.2	4236.7	4205.1	4207.1	4209.1
6563.7	15°	6427.3	6259.2	5753.1	5069.1	4430.5	4155.7	4132.0	4183.4	4236.7	4262.4
6899.8	17.5°	6721.8	6484.6	5763.0	4792.3	4130.0	4017.3	4092.4	4203.1	4284.2	4319.8
7275.4	20°	7038.2	6713.9	5691.8	4400.8	3882.9	3904.6	4039.0	4181.4	4270.3	4315.8
7704.4	22.5°	7400.0	6959.1	5521.8	3989.6	3681.2	3782.0	3940.2	4078.6	4171.5	4217.0
8208.6	25°	7813.2	7233.9	5254.9	3643.6	3507.2	3643.6	3801.8	3916.5	3991.6	4033.1
8772.0	27.5°	8271.8	7520.6	4899.0	3368.8	3355.0	3501.3	3631.8	3720.7	3760.3	3791.9
9371.0	30°	8732.5	7781.5	4468.1	3161.2	3222.5	3360.9	3453.8	3493.4	3505.2	3511.2
10039.3	32.5°	9230.7	8006.9	4015.3	2989.2	3096.0	3224.5	3279.9	3297.7	3242.3	3204.7
10849.9	35°	9833.7	8248.1	3572.5	2852.8	2971.5	3082.2	3100.0	3084.1	3018.9	2941.8
11866.0	37.5°	10579.0	8548.6	3218.6	2756.0	2854.8	2928.0	2906.2	2902.3	2908.2	2817.2
13087.8	40°	11492.4	8940.1	2959.6	2680.8	2759.9	2775.7	2714.4	2748.0	2777.7	2639.3
14428.2	42.5°	12506.6	9412.6	2795.5	2629.4	2680.8	2643.3	2548.4	2585.9	2582.0	2400.1
15774.6	45°	13540.6	9926.6	2738.2	2591.9	2607.7	2532.6	2427.8	2437.7	2354.6	2190.5
17065.6	47.5°	14568.6	10478.2	2773.8	2560.2	2516.7	2431.7	2350.7	2307.2	2184.6	2062.0
18303.2	50°	15576.9	11057.4	2904.2	2497.0	2392.2	2342.8	2283.5	2206.3	2075.9	1971.1
19473.6	52.5°	16512.0	11640.7	3050.5	2392.2	2236.0	2265.7	2228.1	2139.1	2010.6	1903.9
20580.7	55°	17397.7	12223.9	3107.9	2247.9	2089.7	2198.4	2176.7	2012.6	1858.4	1771.4
21739.2	57.5°	18362.5	12925.7	3044.6	2064.0	1971.1	2121.3	2038.3	1856.4	1767.5	1702.2
23247.7	60°	19699.0	14026.9	2908.2	1836.6	1858.4	2006.7	1864.3	1789.2	1692.3	1619.2
25509.4	62.5°	21919.2	16081.0	2688.7	1611.3	1725.9	1836.6	1781.3	1706.2	1607.3	1536.1
29376.4	65°	25201.0	18935.8	2275.5	1435.3	1577.7	1670.6	1692.3	1617.2	1514.4	1439.3
32765.0	67.5°	27968.8	20727.0	1722.0	1289.0	1425.4	1536.1	1597.4	1524.3	1415.5	1342.4
33557.8	70°	27816.6	19426.1	1314.7	1144.7	1291.0	1403.7	1482.8	1425.4	1308.8	1239.6
30481.6	72.5°	24706.7	16251.1	1063.6	998.4	1154.6	1265.3	1360.2	1316.7	1198.1	1130.9
22330.4	75°	18151.0	11535.9	850.1	850.1	984.6	1121.0	1225.7	1198.1	1089.3	1041.9
9375.0	77.5°	7651.0	4839.7	666.3	705.8	818.5	962.8	1093.3	1103.2	1008.3	1067.6
2479.2	80°	2034.3	1334.5	508.1	555.5	642.5	794.8	950.9	947.0	844.2	788.8
921.3	82.5°	775.0	525.9	361.8	391.4	464.6	608.9	753.2	777.0	674.2	583.2
361.8	85°	298.5	225.4	223.4	235.3	270.9	403.3	569.4	589.2	508.1	431.0
100.8	87.5°	77.1	67.2	83.0	79.1	124.6	215.5	326.2	338.1	310.4	179.9
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°
5462.5
5211.4
4829.8
4481.9
4272.3
4213.0
4260.5
4327.7
4327.7
4228.8
4045.0
3803.8
3525.0
3216.6
2945.8
2823.2
2643.3
2398.1
2196.5
2062.0
1963.2
1905.8
1763.5
1696.3
1615.2
1536.1
1443.2
1344.4
1245.5
1130.9
1028.0
968.7
733.5
583.2
444.8
257.0
0.0

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