

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: P851095

Luminaire Tested: **GLAN-SB8D-930-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851095
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-930-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 3000K, 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: 40537 lumens
Efficiency: N/A
Efficacy: 69.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

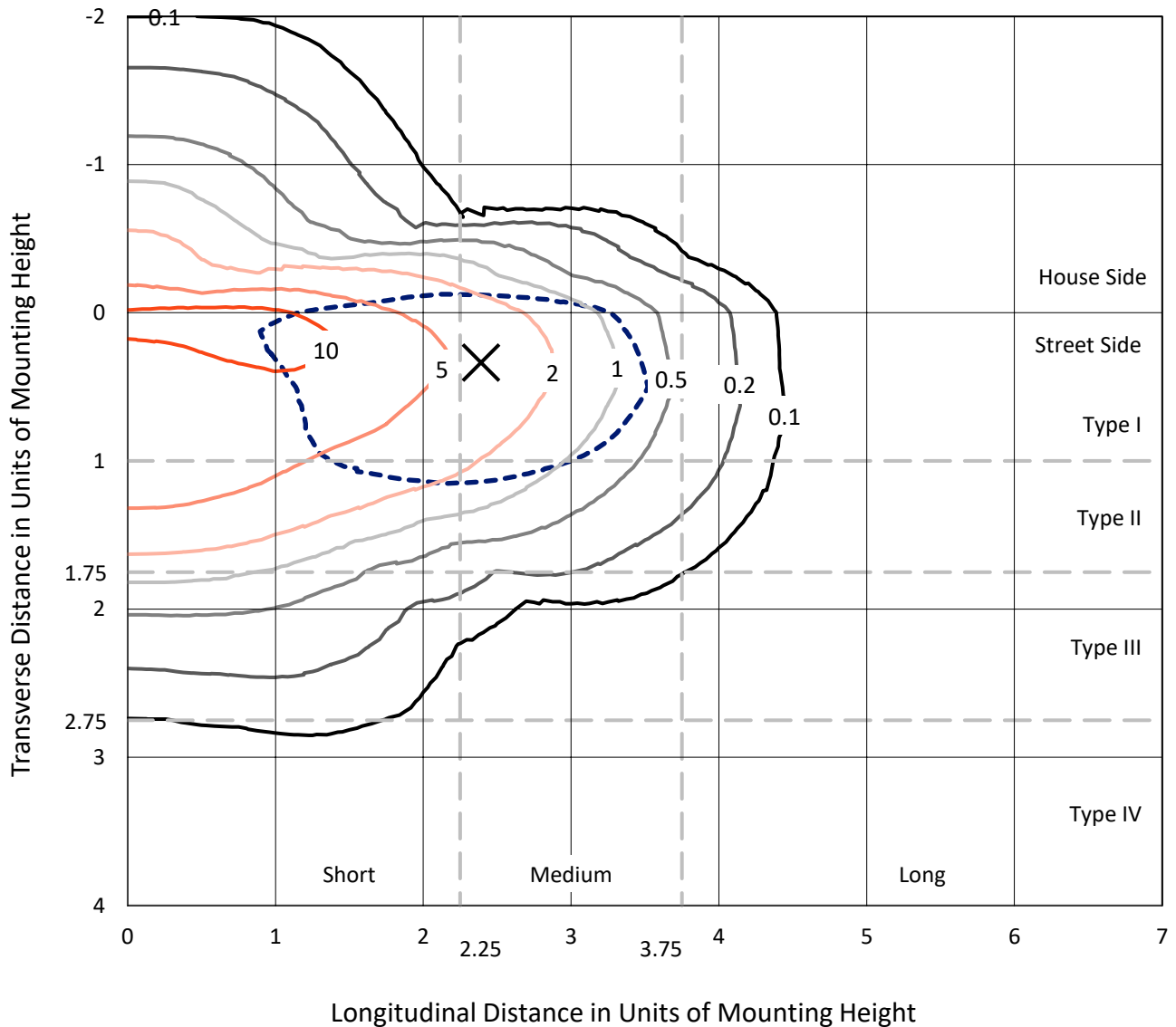
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

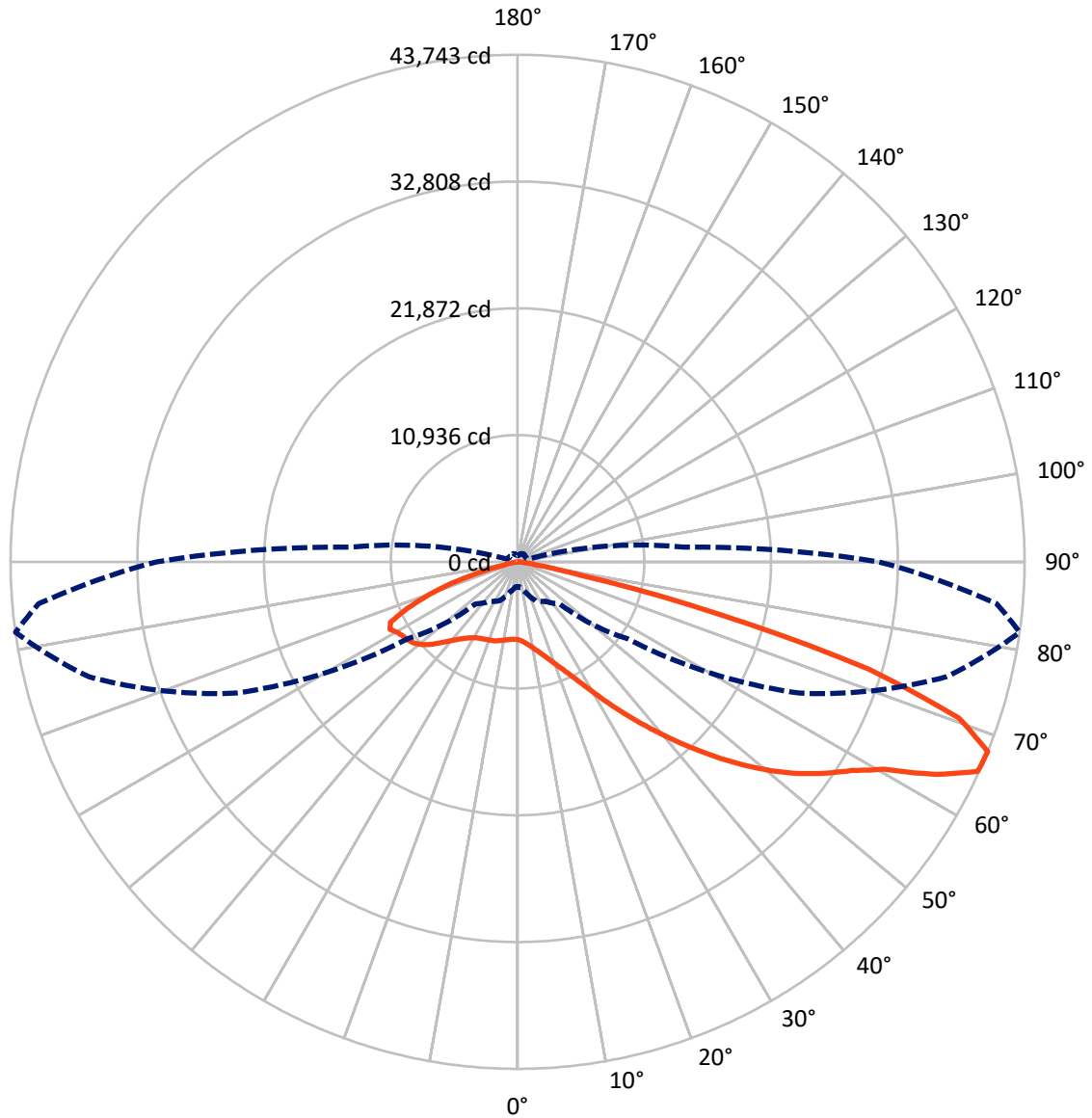
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.2 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	7342.9	0.0	7342.9
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	33194.1	0.0	33194.1
	% Fixture	81.9	0.0	81.9
Total	Lumens	40537.0	0.0	40537.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	598.3	1.5
10°-20°	1554.8	3.8
20°-30°	2490.2	6.1
30°-40°	4403.5	10.9
40°-50°	7715.4	19.0
50°-60°	10290.2	25.4
60°-70°	9579.6	23.6
70°-80°	3676.7	9.1
80°-90°	228.4	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°	40537.0	100.0
0°-180°	40537.0	100.0

Coefficient of Utilization

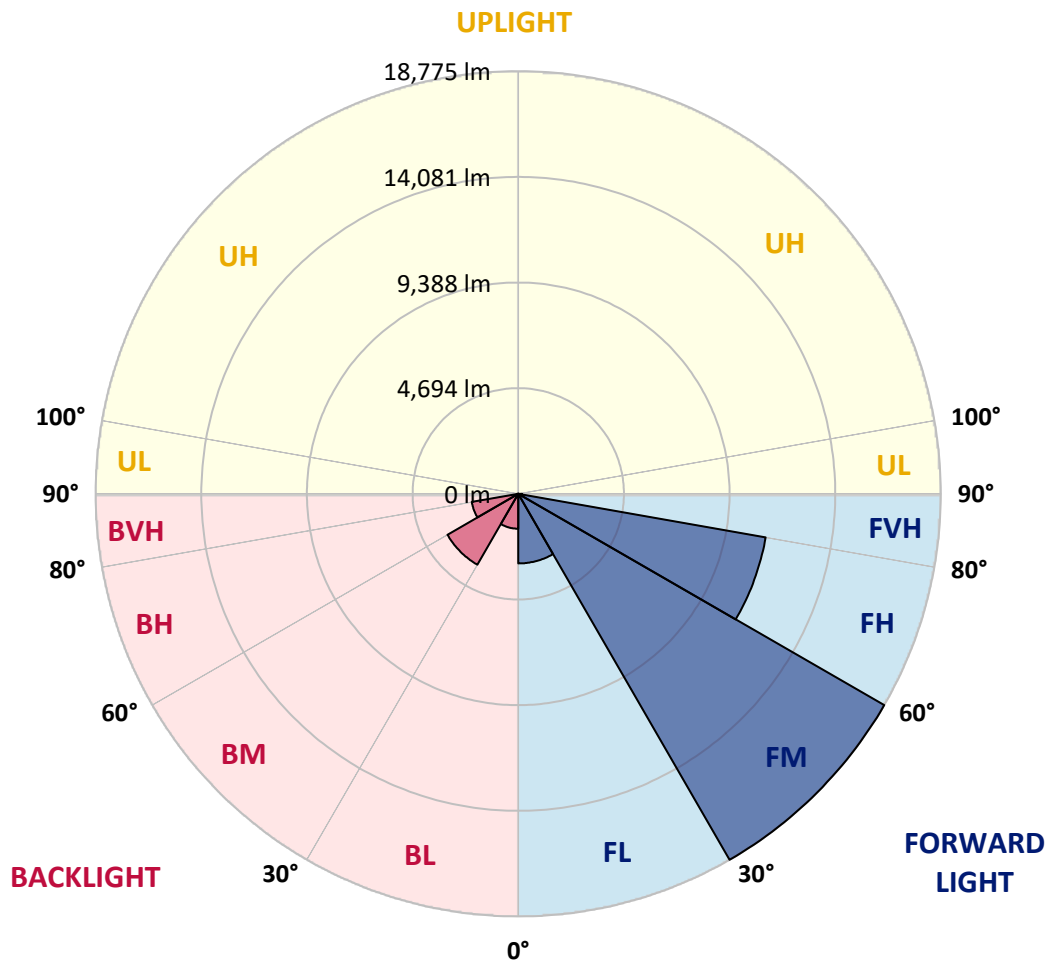


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3092.5	7.6			
FM (30°-60°)	18775.1	46.3			
FH (60°-80°)	11160.5	27.5			G4/12000
FVH (80°-90°)	166.0	0.4			G2/225
BL (0°-30°)	1550.8	3.8	B3/2500		
BM (30°-60°)	3634.0	9.0	B3/5000		
BH (60°-80°)	2095.8	5.2	B3/2500		G3/2500
BVH (80°-90°)	62.3	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-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	6715.6	6715.6	6715.6	6715.6	6715.6	6715.6	6715.6	6715.6	6715.6	6715.6
2.5°	7097.9	7138.8	7115.5	7103.8	7083.3	7054.2	7030.8	6957.8	6882.0	6832.4
5°	7241.0	7281.8	7278.9	7290.6	7305.2	7313.9	7308.1	7226.4	7118.4	7033.7
7.5°	7118.4	7165.1	7203.0	7261.4	7363.5	7471.5	7524.1	7506.5	7395.6	7278.9
10°	6771.1	6820.7	6911.2	7048.3	7264.3	7497.8	7693.3	7783.8	7713.8	7585.3
12.5°	6134.8	6184.4	6362.5	6660.2	7022.1	7427.7	7801.3	8043.6	8061.1	7932.6
15°	5419.8	5469.4	5659.1	6032.7	6584.3	7235.1	7859.7	8317.9	8472.6	8361.7
17.5°	4976.1	5019.9	5162.9	5463.5	6038.5	6849.9	7839.3	8609.8	8962.9	8875.3
20°	4841.9	4879.8	4947.0	5157.1	5635.7	6450.0	7705.0	8884.1	9491.2	9441.5
22.5°	4984.9	5019.9	5040.4	5133.7	5434.4	6187.3	7535.7	9164.3	10104.1	10109.9
25°	5314.7	5349.7	5326.4	5384.7	5516.1	6105.6	7471.5	9494.1	10874.6	10938.8
27.5°	5857.6	5860.5	5805.0	5802.1	5822.5	6228.2	7538.6	9847.2	11846.4	11966.1
30°	6946.2	6902.4	6689.3	6458.8	6353.7	6595.9	7725.4	10264.6	12993.4	13206.5
32.5°	8624.3	8560.1	8169.1	7617.4	7062.9	7188.4	8061.1	10740.3	14242.6	14627.8
35°	10445.5	10428.0	10019.4	9199.3	8230.3	8031.9	8606.8	11364.9	15605.5	16218.4
37.5°	12138.3	12129.5	11896.1	10930.0	9750.9	9208.1	9482.4	12182.1	17064.8	17952.1
40°	13685.1	13711.4	13477.9	12614.0	11426.2	10717.0	10673.2	13191.9	18687.5	19840.4
42.5°	15021.8	15051.0	14814.6	14175.5	13081.0	12386.4	12135.4	14429.4	20272.3	21868.8
45°	15929.5	16110.5	16075.4	15564.7	14779.6	14058.7	13892.4	15982.0	22078.9	24019.8
47.5°	16186.3	16352.7	16615.4	16685.4	16206.8	15497.6	15696.0	17852.8	23905.9	26173.7
50°	15553.0	15707.7	16253.5	16980.2	17312.9	17094.0	17450.1	19857.9	25776.7	28321.7
52.5°	14303.9	14461.5	15150.3	16300.2	17657.3	18346.1	19210.0	21833.8	27589.2	30356.0
55°	12497.3	12663.6	13548.0	14849.6	17000.6	18862.7	20678.0	23806.7	29249.8	32185.9
57.5°	10039.9	10162.4	11081.8	12903.0	15348.7	18349.0	21760.8	25960.6	30814.2	33983.7
60°	6543.4	6651.4	7719.6	9750.9	12611.1	16632.9	21976.8	28362.6	32892.2	36321.5
62.5°	4351.6	4424.5	5057.9	6549.3	8881.2	13337.8	20713.0	30280.1	35939.2	40390.0
65°	2985.7	3058.7	3692.0	4731.0	5737.9	8822.8	17079.4	30026.2	38700.1	43620.8
67.5°	2130.5	2191.8	2728.9	3709.5	4153.1	5125.0	11577.9	26780.7	38303.2	43743.4
70°	1526.4	1561.4	2005.1	2889.4	3300.9	3079.1	6438.3	20482.5	33537.2	40392.9
72.5°	1068.2	1079.9	1392.2	2200.6	2658.8	2247.3	3064.5	13655.9	25365.2	31704.3
75°	723.8	738.4	936.9	1614.0	2133.5	1716.1	1622.7	7322.7	14890.5	17549.3
77.5°	443.6	449.5	604.1	1103.2	1596.5	1307.5	1044.8	3102.4	5761.2	5656.2
80°	251.0	251.0	385.3	685.9	1088.6	843.5	732.6	1319.2	1824.1	1602.3
82.5°	140.1	143.0	280.2	426.1	720.9	499.1	402.8	610.0	788.0	697.5
85°	58.4	64.2	172.2	201.4	344.4	248.1	163.4	256.8	291.9	259.8
87.5°	5.8	8.8	52.5	37.9	40.9	49.6	23.3	49.6	40.9	40.9
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°
6715.6	0°	6715.6	6715.6	6715.6	6715.6	6715.6	6715.6	6715.6	6715.6	6715.6	6715.6
6814.8	2.5°	6759.4	6715.6	6604.7	6476.3	6307.0	6225.3	6114.4	6038.5	5974.3	5980.1
6984.1	5°	6890.7	6779.8	6531.7	6222.4	5837.1	5562.8	5270.9	5069.5	4906.1	4871.1
7217.6	7.5°	7071.7	6896.6	6461.7	5904.2	5253.4	4760.2	4319.5	4036.4	3835.0	3770.8
7500.7	10°	7305.2	7051.2	6371.2	5504.4	4567.5	3940.1	3467.3	3245.4	3108.3	3061.6
7833.4	12.5°	7576.6	7229.3	6251.6	5017.0	3861.3	3257.1	2956.5	2845.6	2801.8	2787.2
8242.0	15°	7918.1	7451.1	6070.6	4439.1	3263.0	2839.8	2711.3	2696.8	2702.6	2696.8
8732.3	17.5°	8323.7	7693.3	5775.8	3843.7	2860.2	2626.7	2580.0	2591.7	2606.3	2603.4
9281.0	20°	8767.4	7932.6	5399.3	3315.5	2585.8	2474.9	2448.7	2460.3	2472.0	2466.2
9914.4	22.5°	9272.3	8189.5	4982.0	2904.0	2402.0	2334.8	2305.7	2308.6	2308.6	2296.9
10717.0	25°	9876.4	8472.6	4544.2	2612.1	2261.9	2209.4	2174.3	2162.7	2145.1	2110.1
11691.8	27.5°	10597.3	8773.2	4123.9	2407.8	2151.0	2101.4	2060.5	2031.3	1987.5	1929.2
12862.1	30°	11408.7	9138.0	3767.9	2279.4	2063.4	2013.8	1967.1	1923.3	1859.1	1786.2
14207.6	32.5°	12363.0	9529.1	3508.1	2194.8	1984.6	1932.1	1876.6	1824.1	1754.1	1681.1
15719.4	35°	13501.3	10001.9	3356.3	2136.4	1923.3	1853.3	1792.0	1733.6	1681.1	1616.9
17362.5	37.5°	14735.8	10503.9	3309.6	2107.2	1882.5	1774.5	1704.4	1663.6	1657.7	1619.8
19139.9	40°	16087.1	11099.3	3344.7	2089.7	1838.7	1698.6	1622.7	1614.0	1628.6	1561.4
21039.9	42.5°	17517.2	11805.6	3403.0	2069.3	1777.4	1622.7	1549.8	1549.8	1538.1	1444.7
23047.9	45°	19064.0	12619.9	3461.4	2019.6	1704.4	1546.8	1491.4	1471.0	1421.3	1330.9
25067.5	47.5°	20622.6	13448.7	3505.2	1929.2	1616.9	1482.6	1433.0	1386.3	1313.4	1231.6
27049.2	50°	22102.3	14193.0	3458.5	1794.9	1517.7	1421.3	1368.8	1304.6	1225.8	1170.3
28925.9	52.5°	23424.4	14838.0	3260.0	1637.3	1412.6	1357.1	1310.4	1243.3	1179.1	1120.7
30618.6	55°	24574.3	15360.4	2909.8	1488.5	1319.2	1301.7	1255.0	1170.3	1082.8	1033.2
32296.8	57.5°	25677.5	15757.3	2472.0	1365.9	1234.6	1240.4	1170.3	1094.5	1012.7	960.2
34558.7	60°	27145.5	16288.5	2028.4	1252.1	1144.1	1161.6	1085.7	1030.3	928.1	861.0
38437.4	62.5°	29492.1	17114.4	1611.0	1112.0	1039.0	1044.8	1012.7	945.6	823.0	744.2
41312.2	65°	31354.1	16810.9	1269.6	960.2	919.3	928.1	928.1	855.1	723.8	633.3
41466.9	67.5°	31144.0	14394.3	1012.7	811.4	805.5	811.4	831.8	770.5	642.1	569.1
38309.0	70°	28689.5	11449.5	811.4	674.2	700.5	685.9	744.2	703.4	577.9	504.9
29699.3	72.5°	23409.8	8247.9	618.7	557.4	537.0	560.4	671.3	633.3	481.6	399.8
15731.0	75°	13679.3	4401.2	461.1	440.7	388.2	467.0	595.4	539.9	367.7	294.8
4821.5	77.5°	4453.7	1535.2	338.6	324.0	288.9	376.5	507.8	455.3	300.6	233.5
1412.6	80°	1193.7	464.1	230.6	213.1	186.8	280.2	402.8	361.9	216.0	151.8
607.1	82.5°	478.6	195.5	134.3	119.7	102.1	192.6	318.1	291.9	160.5	96.3
189.7	85°	154.7	64.2	49.6	37.9	46.7	119.7	189.7	198.5	113.8	49.6
29.2	87.5°	20.4	8.8	8.8	11.7	8.8	20.4	58.4	55.5	32.1	5.8
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°
6715.6
5921.8
4792.3
3706.6
3026.5
2778.5
2693.8
2597.5
2463.3
2291.1
2104.3
1923.3
1780.3
1684.0
1611.0
1616.9
1564.3
1444.7
1327.9
1228.7
1161.6
1114.9
1027.3
954.4
852.2
738.4
624.6
557.4
496.2
391.1
286.0
224.7
148.8
96.3
37.9
0.0
0.0

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