

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: P849735

Luminaire Tested: **GLAN-SB6D-930-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849735
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-SB6D-930-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 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: 30400 lumens
Efficiency: N/A
Efficacy: 69.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

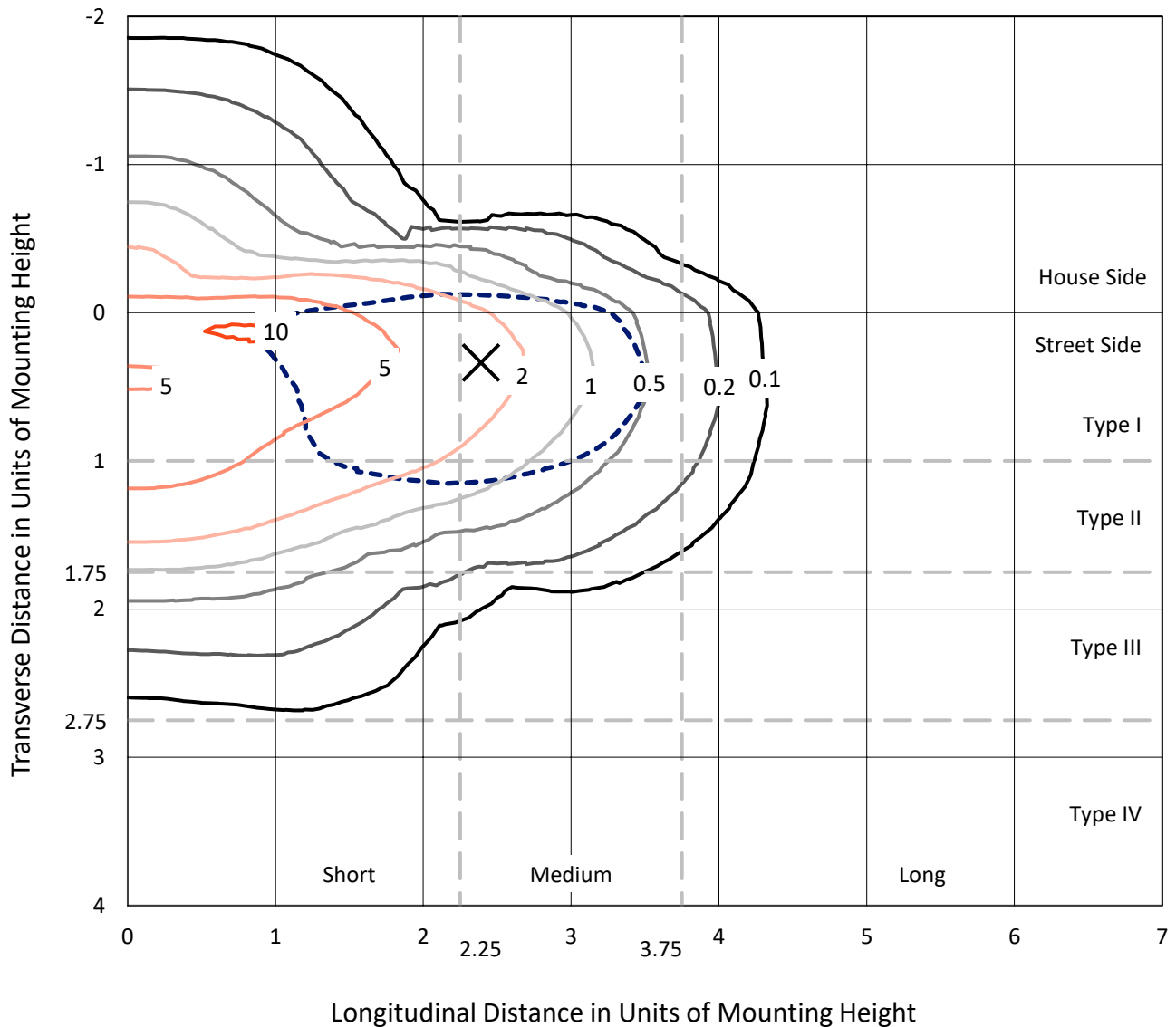
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

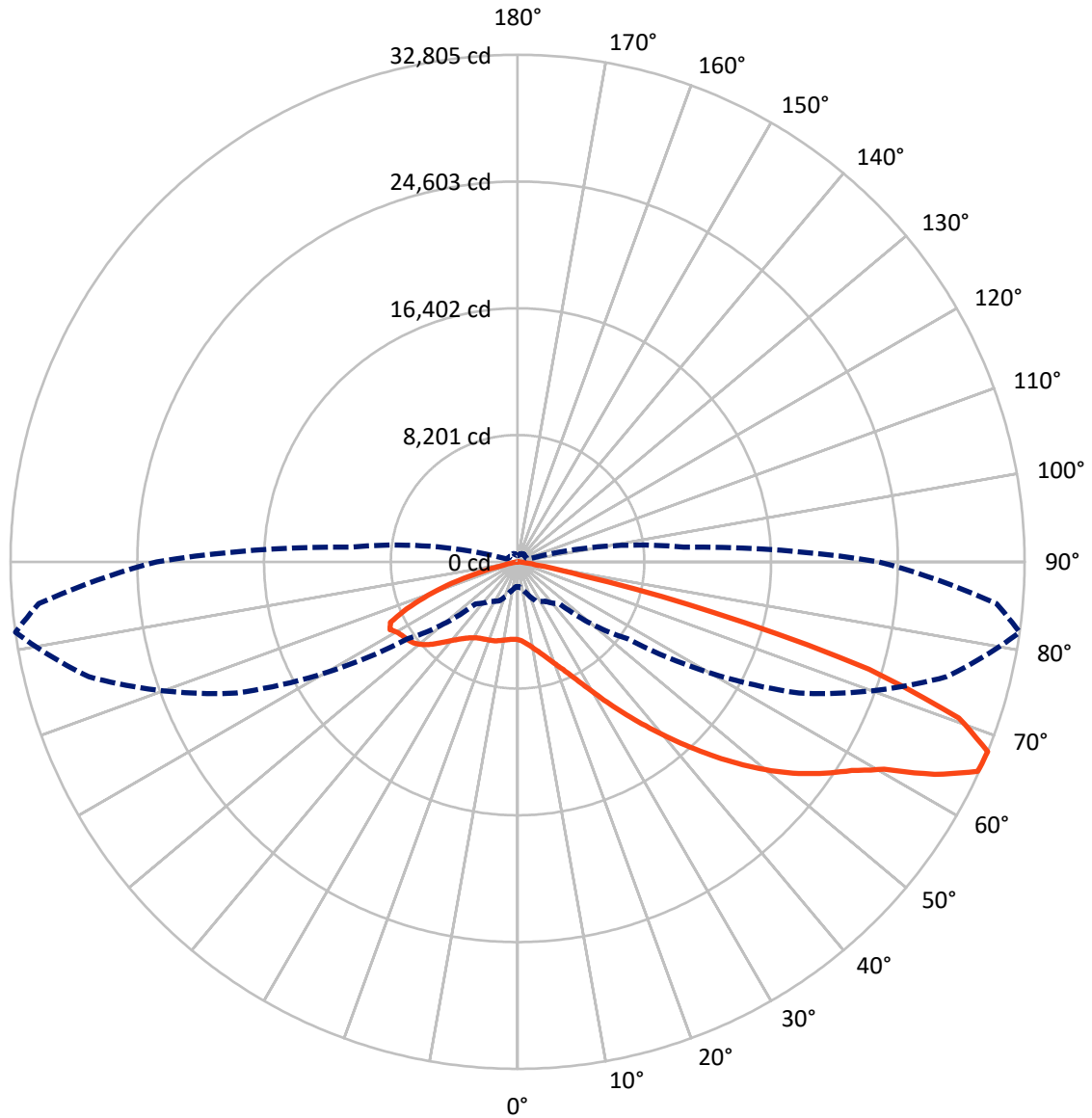
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 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	5506.7	0.0	5506.7
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	24893.3	0.0	24893.3
	% Fixture	81.9	0.0	81.9
Total	Lumens	30400.0	0.0	30400.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	448.7	1.5
10°-20°	1166.0	3.8
20°-30°	1867.5	6.1
30°-40°	3302.3	10.9
40°-50°	5786.0	19.0
50°-60°	7716.9	25.4
60°-70°	7184.1	23.6
70°-80°	2757.2	9.1
80°-90°	171.3	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°	30400.0	100.0
0°-180°	30400.0	100.0

Coefficient of Utilization

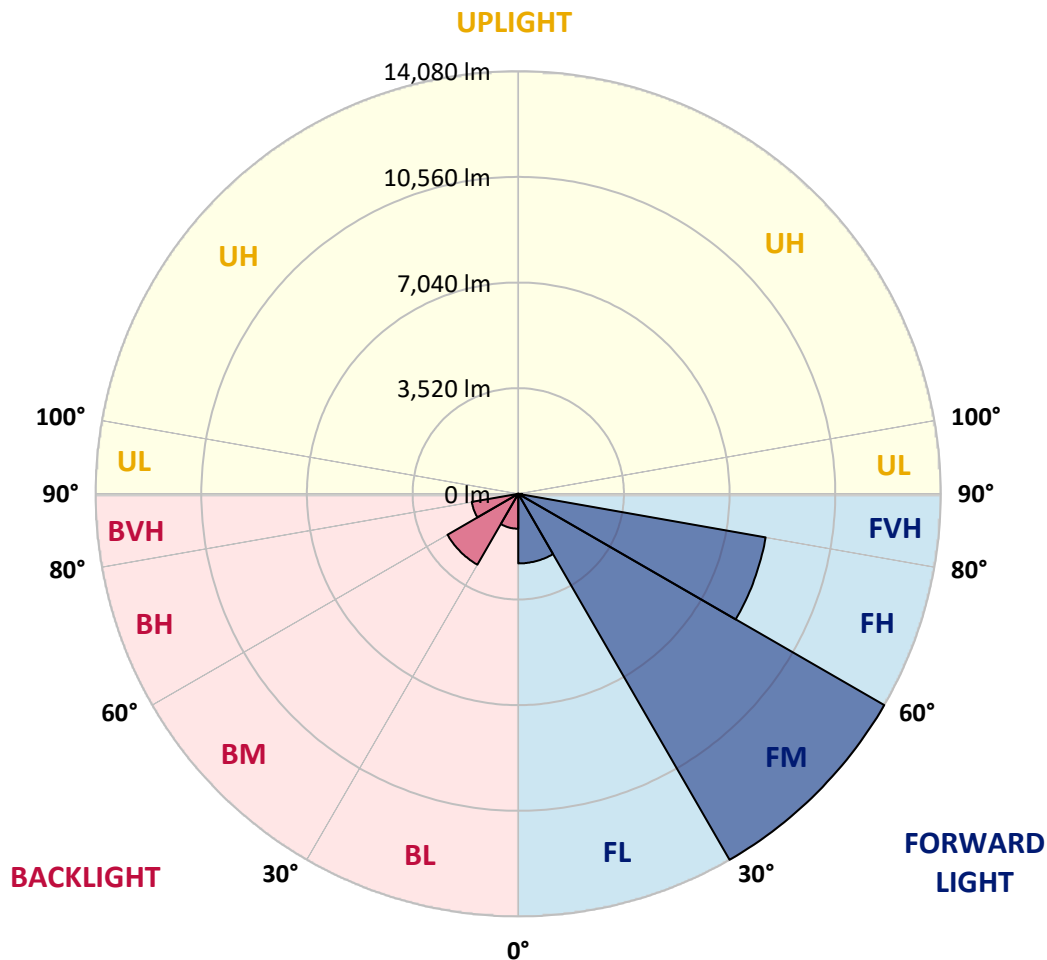


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2319.2	7.6			
FM (30°-60°)	14080.0	46.3			
FH (60°-80°)	8369.6	27.5			G4/12000
FVH (80°-90°)	124.5	0.4			G2/225
BL (0°-30°)	1163.0	3.8	B3/2500		
BM (30°-60°)	2725.2	9.0	B3/5000		
BH (60°-80°)	1571.7	5.2	B3/2500		G3/2500
BVH (80°-90°)	46.8	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°	5036.3	5036.3	5036.3	5036.3	5036.3	5036.3	5036.3	5036.3	5036.3	5036.3
2.5°	5323.0	5353.6	5336.1	5327.4	5312.0	5290.1	5272.6	5217.9	5161.0	5123.8
5°	5430.2	5460.9	5458.7	5467.4	5478.4	5484.9	5480.6	5419.3	5338.3	5274.8
7.5°	5338.3	5373.3	5401.8	5445.5	5522.1	5603.1	5642.5	5629.4	5546.2	5458.7
10°	5077.8	5115.0	5182.9	5285.8	5447.7	5622.8	5769.5	5837.3	5784.8	5688.5
12.5°	4600.7	4637.9	4771.4	4994.7	5266.1	5570.3	5850.5	6032.1	6045.3	5948.9
15°	4064.5	4101.7	4243.9	4524.1	4937.8	5425.8	5894.2	6237.9	6353.9	6270.7
17.5°	3731.8	3764.6	3871.9	4097.3	4528.5	5136.9	5878.9	6456.7	6721.6	6655.9
20°	3631.1	3659.5	3709.9	3867.5	4226.4	4837.1	5778.2	6662.5	7117.7	7080.5
22.5°	3738.3	3764.6	3779.9	3850.0	4075.4	4640.1	5651.3	6872.6	7577.4	7581.7
25°	3985.7	4011.9	3994.4	4038.2	4136.7	4578.8	5603.1	7119.9	8155.2	8203.3
27.5°	4392.8	4395.0	4353.4	4351.2	4366.5	4670.7	5653.5	7384.8	8884.0	8973.8
30°	5209.2	5176.3	5016.6	4843.6	4764.8	4946.5	5793.5	7697.7	9744.2	9904.0
32.5°	6467.7	6419.5	6126.2	5712.6	5296.7	5390.8	6045.3	8054.5	10681.0	10969.9
35°	7833.4	7820.3	7513.9	6898.9	6172.2	6023.4	6454.5	8522.9	11703.1	12162.7
37.5°	9102.9	9096.3	8921.2	8196.8	7312.5	6905.4	7111.2	9135.7	12797.5	13462.8
40°	10262.9	10282.6	10107.5	9459.7	8568.8	8037.0	8004.2	9893.0	14014.4	14878.9
42.5°	11265.4	11287.2	11110.0	10630.6	9809.9	9288.9	9100.7	10821.0	15202.9	16400.1
45°	11946.0	12081.8	12055.5	11672.5	11083.7	10543.1	10418.3	11985.4	16557.7	18013.2
47.5°	12138.7	12263.4	12460.4	12512.9	12154.0	11622.1	11771.0	13388.4	17927.8	19628.5
50°	11663.7	11779.7	12189.0	12734.0	12983.5	12819.3	13086.4	14892.1	19330.8	21239.4
52.5°	10726.9	10845.1	11361.7	12224.0	13241.8	13758.3	14406.2	16373.8	20690.0	22764.9
55°	9372.1	9496.9	10160.1	11136.2	12749.3	14145.7	15507.1	17853.4	21935.4	24137.2
57.5°	7529.2	7621.1	8310.6	9676.3	11510.5	13760.5	16319.1	19468.7	23108.5	25485.5
60°	4907.1	4988.1	5789.2	7312.5	9457.5	12473.5	16481.1	21270.0	24666.9	27238.7
62.5°	3263.4	3318.1	3793.1	4911.5	6660.3	10002.5	15533.4	22708.0	26951.9	30289.7
65°	2239.1	2293.8	2768.7	3547.9	4303.0	6616.5	12808.4	22517.6	29022.5	32712.7
67.5°	1597.8	1643.7	2046.5	2781.9	3114.6	3843.4	8682.7	20083.7	28724.8	32804.6
70°	1144.7	1171.0	1503.7	2166.8	2475.4	2309.1	4828.3	15360.5	25150.6	30291.9
72.5°	801.1	809.8	1044.0	1650.3	1993.9	1685.3	2298.2	10241.0	19022.2	23776.1
75°	542.8	553.7	702.6	1210.4	1600.0	1287.0	1216.9	5491.5	11166.9	13160.8
77.5°	332.7	337.1	453.1	827.3	1197.2	980.5	783.6	2326.6	4320.5	4241.7
80°	188.2	188.2	288.9	514.3	816.4	632.5	549.4	989.3	1368.0	1201.6
82.5°	105.1	107.2	210.1	319.6	540.6	374.3	302.0	457.4	591.0	523.1
85°	43.8	48.2	129.1	151.0	258.3	186.0	122.6	192.6	218.9	194.8
87.5°	4.4	6.6	39.4	28.5	30.6	37.2	17.5	37.2	30.6	30.6
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°
5036.3	0°	5036.3	5036.3	5036.3	5036.3	5036.3	5036.3	5036.3	5036.3	5036.3	5036.3
5110.7	2.5°	5069.1	5036.3	4953.1	4856.8	4729.8	4668.5	4585.4	4528.5	4480.3	4484.7
5237.6	5°	5167.6	5084.4	4898.4	4666.4	4377.4	4171.7	3952.8	3801.8	3679.2	3653.0
5412.7	7.5°	5303.3	5172.0	4845.8	4427.8	3939.7	3569.8	3239.3	3027.0	2876.0	2827.8
5625.0	10°	5478.4	5288.0	4778.0	4127.9	3425.4	2954.8	2600.2	2433.9	2331.0	2296.0
5874.5	12.5°	5681.9	5421.5	4688.2	3762.4	2895.7	2442.6	2217.2	2134.0	2101.2	2090.2
6181.0	15°	5938.0	5587.8	4552.5	3329.0	2447.0	2129.6	2033.3	2022.4	2026.8	2022.4
6548.7	17.5°	6242.2	5769.5	4331.5	2882.5	2144.9	1969.9	1934.8	1943.6	1954.5	1952.3
6960.1	20°	6574.9	5948.9	4049.1	2486.4	1939.2	1856.0	1836.3	1845.1	1853.8	1849.5
7435.1	22.5°	6953.6	6141.6	3736.1	2177.8	1801.3	1751.0	1729.1	1731.3	1731.3	1722.5
8037.0	25°	7406.6	6353.9	3407.8	1958.9	1696.3	1656.9	1630.6	1621.8	1608.7	1582.4
8768.0	27.5°	7947.3	6579.3	3092.7	1805.7	1613.1	1575.9	1545.2	1523.4	1490.5	1446.7
9645.7	30°	8555.7	6852.9	2825.6	1709.4	1547.4	1510.2	1475.2	1442.4	1394.2	1339.5
10654.7	32.5°	9271.4	7146.2	2630.8	1645.9	1488.3	1448.9	1407.3	1368.0	1315.4	1260.7
11788.5	35°	10125.0	7500.8	2517.0	1602.1	1442.4	1389.8	1343.9	1300.1	1260.7	1212.6
13020.7	37.5°	11050.9	7877.2	2482.0	1580.3	1411.7	1330.7	1278.2	1247.6	1243.2	1214.7
14353.6	40°	12064.2	8323.7	2508.3	1567.1	1378.9	1273.8	1216.9	1210.4	1221.3	1171.0
15778.5	42.5°	13136.7	8853.4	2552.1	1551.8	1332.9	1216.9	1162.2	1162.2	1153.5	1083.4
17284.3	45°	14296.7	9464.0	2595.8	1514.6	1278.2	1160.0	1118.4	1103.1	1065.9	998.1
18798.9	47.5°	15465.5	10085.6	2628.7	1446.7	1212.6	1111.9	1074.7	1039.6	984.9	923.6
20285.1	50°	16575.2	10643.8	2593.6	1346.1	1138.1	1065.9	1026.5	978.4	919.3	877.7
21692.4	52.5°	17566.7	11127.5	2444.8	1227.9	1059.3	1017.8	982.7	932.4	884.2	840.5
22961.9	55°	18429.0	11519.2	2182.2	1116.2	989.3	976.2	941.2	877.7	812.0	774.8
24220.4	57.5°	19256.4	11816.9	1853.8	1024.3	925.8	930.2	877.7	820.8	759.5	720.1
25916.7	60°	20357.3	12215.3	1521.2	939.0	858.0	871.1	814.2	772.6	696.0	645.7
28825.5	62.5°	22117.0	12834.7	1208.2	833.9	779.2	783.6	759.5	709.1	617.2	558.1
30981.4	65°	23513.4	12607.0	952.1	720.1	689.4	696.0	696.0	641.3	542.8	475.0
31097.4	67.5°	23355.9	10794.8	759.5	608.5	604.1	608.5	623.8	577.8	481.5	426.8
28729.2	70°	21515.1	8586.4	608.5	505.6	525.3	514.3	558.1	527.5	433.4	378.6
22272.4	72.5°	17555.7	6185.3	464.0	418.0	402.7	420.2	503.4	475.0	361.1	299.9
11797.2	75°	10258.5	3300.6	345.8	330.5	291.1	350.2	446.5	404.9	275.8	221.1
3615.8	77.5°	3340.0	1151.3	253.9	242.9	216.7	282.3	380.8	341.4	225.4	175.1
1059.3	80°	895.2	348.0	172.9	159.8	140.1	210.1	302.0	271.4	162.0	113.8
455.3	82.5°	359.0	146.6	100.7	89.7	76.6	144.5	238.6	218.9	120.4	72.2
142.3	85°	116.0	48.2	37.2	28.5	35.0	89.7	142.3	148.8	85.4	37.2
21.9	87.5°	15.3	6.6	6.6	8.8	6.6	15.3	43.8	41.6	24.1	4.4
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°
5036.3
4440.9
3593.9
2779.7
2269.7
2083.7
2020.2
1948.0
1847.3
1718.1
1578.1
1442.4
1335.1
1262.9
1208.2
1212.6
1173.2
1083.4
995.9
921.5
871.1
836.1
770.4
715.7
639.1
553.7
468.4
418.0
372.1
293.3
214.5
168.5
111.6
72.2
28.5
0.0
0.0

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