

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: P850415

Luminaire Tested: **GLAN-SB7D-930-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850415
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-SB7D-930-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 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: 35652 lumens
Efficiency: N/A
Efficacy: 69.5 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

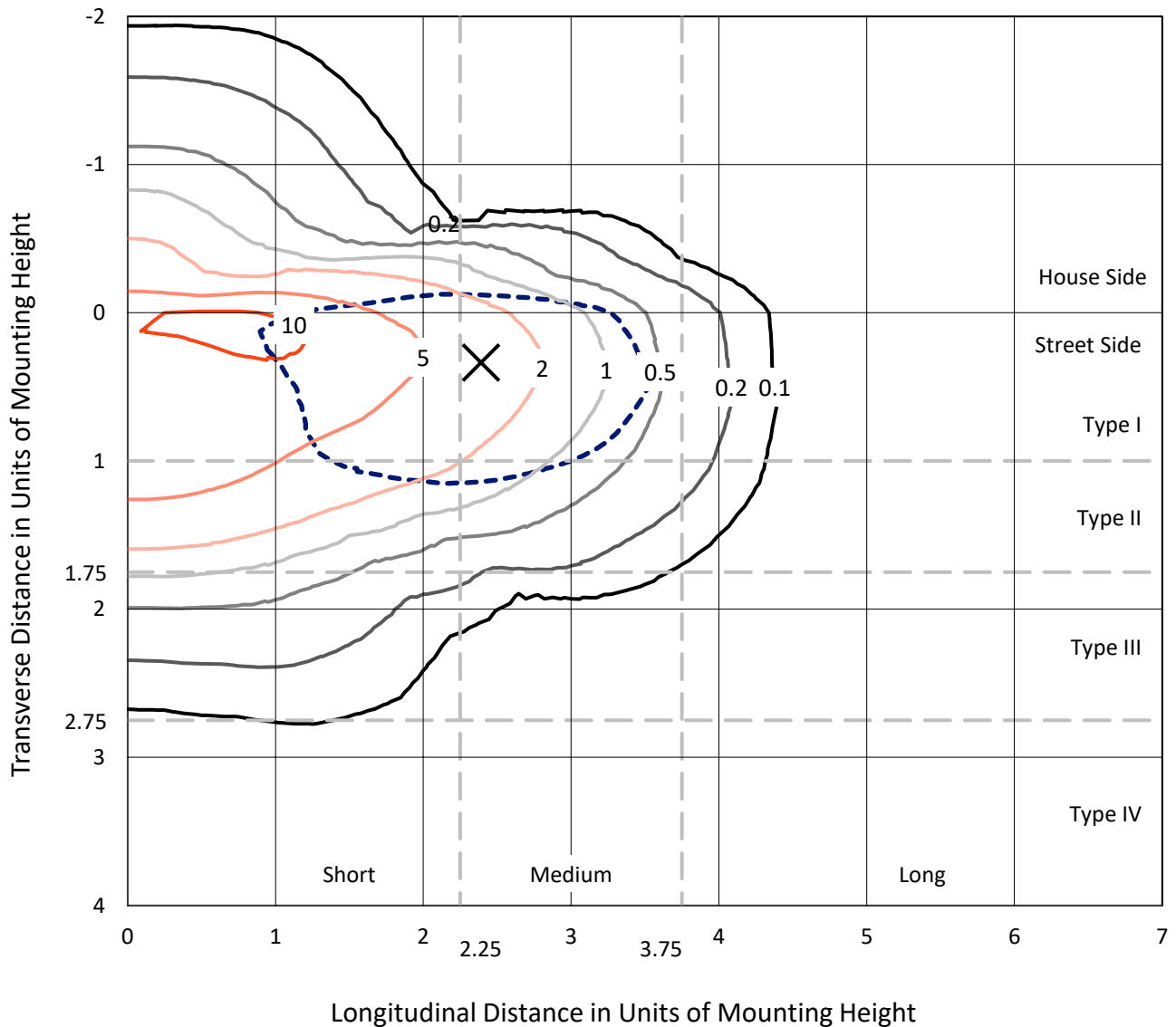
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

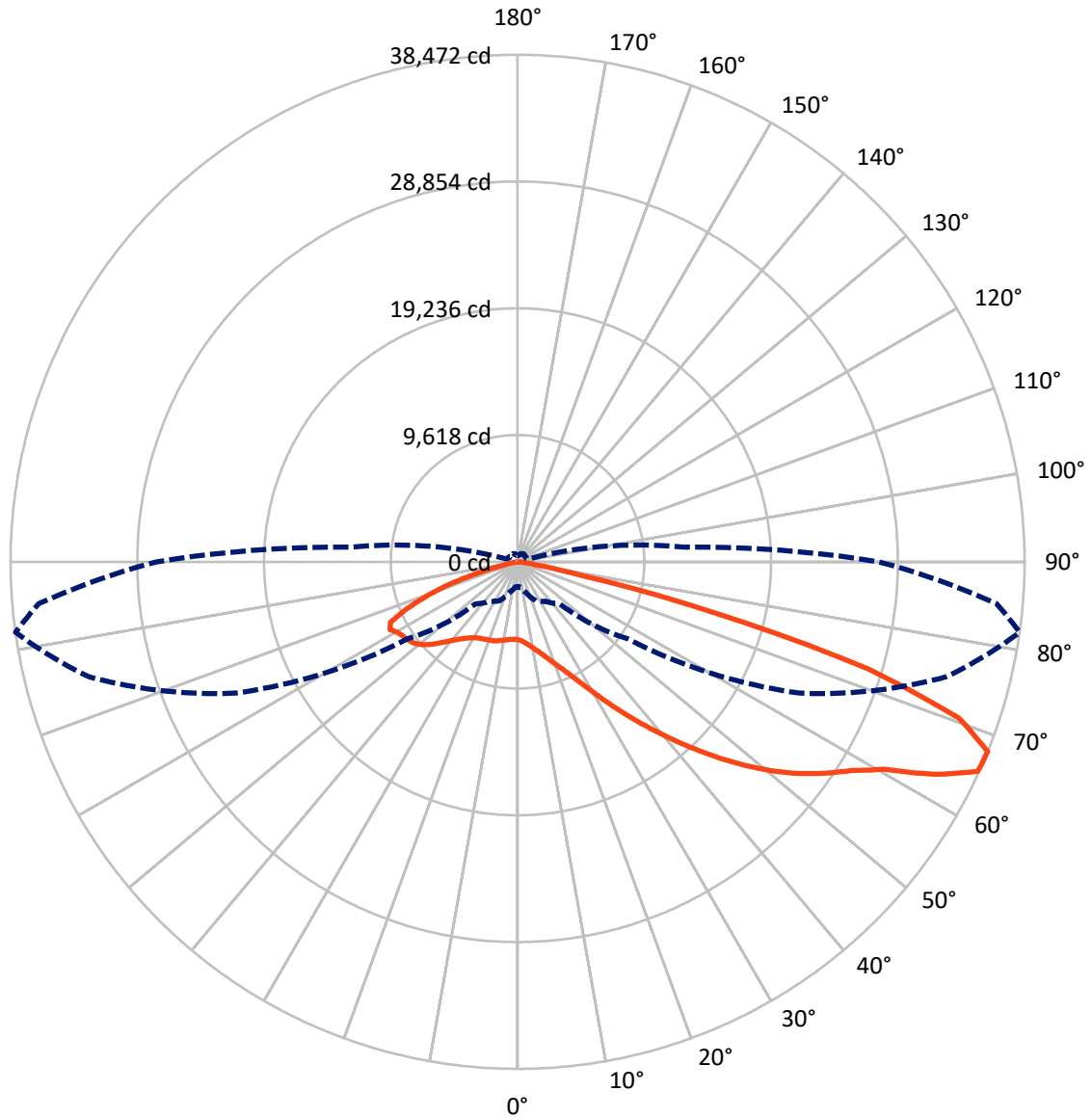
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.5 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	6458.1	0.0	6458.1
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	29193.9	0.0	29193.9
	% Fixture	81.9	0.0	81.9
Total	Lumens	35652.0	0.0	35652.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	526.2	1.5
10°-20°	1367.4	3.8
20°-30°	2190.2	6.1
30°-40°	3872.9	10.9
40°-50°	6785.6	19.0
50°-60°	9050.1	25.4
60°-70°	8425.2	23.6
70°-80°	3233.6	9.1
80°-90°	200.8	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°	35652.0	100.0
0°-180°	35652.0	100.0

Coefficient of Utilization

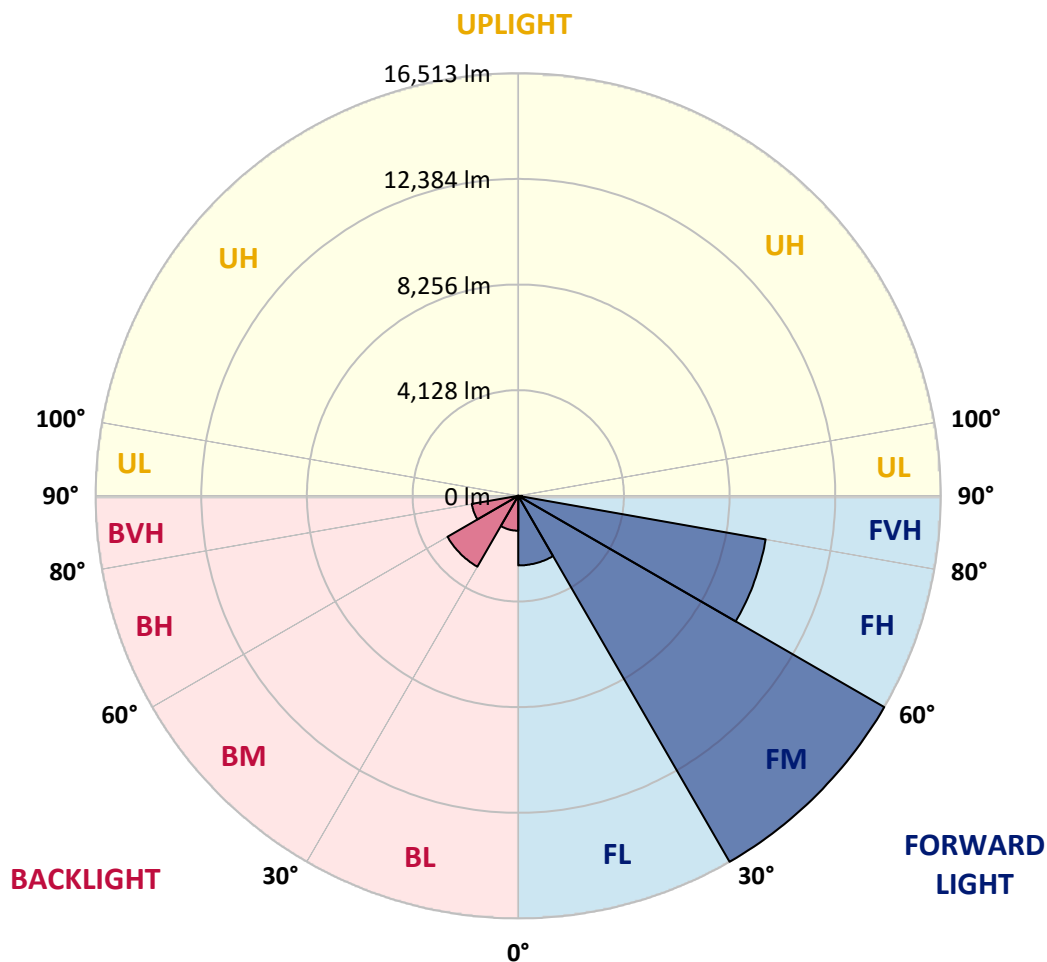


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2719.8	7.6			
FM (30°-60°)	16512.5	46.3			
FH (60°-80°)	9815.5	27.5			G4/12000
FVH (80°-90°)	146.0	0.4			G2/225
BL (0°-30°)	1363.9	3.8	B3/2500		
BM (30°-60°)	3196.1	9.0	B3/5000		
BH (60°-80°)	1843.2	5.2	B3/2500		G3/2500
BVH (80°-90°)	54.8	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°	5906.3	5906.3	5906.3	5906.3	5906.3	5906.3	5906.3	5906.3	5906.3	5906.3
2.5°	6242.6	6278.5	6258.0	6247.7	6229.8	6204.1	6183.6	6119.4	6052.6	6009.0
5°	6368.4	6404.3	6401.7	6412.0	6424.8	6432.5	6427.4	6355.5	6260.6	6186.1
7.5°	6260.6	6301.6	6335.0	6386.3	6476.2	6571.1	6617.3	6601.9	6504.4	6401.7
10°	5955.1	5998.7	6078.3	6199.0	6388.9	6594.2	6766.2	6845.8	6784.2	6671.3
12.5°	5395.5	5439.2	5595.7	5857.6	6175.8	6532.6	6861.2	7074.2	7089.6	6976.7
15°	4766.6	4810.3	4977.1	5305.7	5790.8	6363.2	6912.5	7315.5	7451.6	7354.0
17.5°	4376.5	4415.0	4540.8	4805.1	5310.8	6024.4	6894.6	7572.2	7882.8	7805.8
20°	4258.4	4291.8	4350.8	4535.6	4956.6	5672.7	6776.5	7813.5	8347.4	8303.8
22.5°	4384.2	4415.0	4433.0	4515.1	4779.5	5441.7	6627.6	8059.9	8886.4	8891.6
25°	4674.2	4705.0	4684.5	4735.8	4851.4	5369.9	6571.1	8350.0	9564.1	9620.6
27.5°	5151.7	5154.2	5105.5	5102.9	5120.9	5477.7	6630.2	8660.6	10418.9	10524.1
30°	6109.1	6070.6	5883.2	5680.4	5588.0	5801.1	6794.5	9027.6	11427.6	11615.0
32.5°	7585.1	7528.6	7184.6	6699.5	6211.8	6322.2	7089.6	9446.0	12526.2	12865.1
35°	9186.8	9171.4	8812.0	8090.7	7238.5	7064.0	7569.7	9995.3	13725.0	14264.0
37.5°	10675.5	10667.8	10462.5	9612.9	8575.9	8098.4	8339.7	10714.0	15008.4	15788.7
40°	12036.0	12059.1	11853.7	11093.9	10049.2	9425.5	9387.0	11602.2	16435.6	17449.5
42.5°	13211.6	13237.3	13029.3	12467.2	11504.6	10893.7	10673.0	12690.5	17829.4	19233.4
45°	14009.9	14169.0	14138.2	13689.0	12998.5	12364.5	12218.2	14056.1	19418.2	21125.2
47.5°	14235.8	14382.1	14613.1	14674.7	14253.7	13630.0	13804.5	15701.4	21025.1	23019.5
50°	13678.8	13814.8	14294.8	14934.0	15226.6	15034.1	15347.2	17464.9	22670.5	24908.7
52.5°	12580.1	12718.8	13324.5	14335.9	15529.5	16135.2	16895.0	19202.6	24264.5	26697.8
55°	10991.3	11137.6	11915.3	13060.2	14951.9	16589.6	18186.2	20937.8	25725.0	28307.3
57.5°	8830.0	8937.8	9746.3	11348.1	13499.1	16137.8	19138.5	22832.2	27100.8	29888.4
60°	5754.9	5849.9	6789.3	8575.9	11091.4	14628.5	19328.4	24944.7	28928.4	31944.5
62.5°	3827.2	3891.3	4448.4	5760.0	7810.9	11730.5	18217.0	26631.1	31608.2	35522.7
65°	2625.9	2690.1	3247.1	4160.9	5046.4	7759.6	15021.2	26407.8	34036.5	38364.2
67.5°	1873.8	1927.7	2400.0	3262.5	3652.6	4507.4	10182.7	23553.4	33687.4	38472.0
70°	1342.5	1373.3	1763.4	2541.2	2903.1	2708.0	5662.5	18014.2	29495.7	35525.3
72.5°	939.5	949.7	1224.4	1935.4	2338.4	1976.5	2695.2	12010.3	22308.5	27883.7
75°	636.6	649.4	824.0	1419.5	1876.4	1509.3	1427.2	6440.2	13096.1	15434.5
77.5°	390.2	395.3	531.3	970.3	1404.1	1150.0	918.9	2728.6	5067.0	4974.6
80°	220.7	220.7	338.8	603.2	957.4	741.8	644.3	1160.2	1604.3	1409.2
82.5°	123.2	125.8	246.4	374.8	634.0	438.9	354.2	536.5	693.1	613.5
85°	51.3	56.5	151.4	177.1	302.9	218.2	143.7	225.9	256.7	228.4
87.5°	5.1	7.7	46.2	33.4	35.9	43.6	20.5	43.6	35.9	35.9
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°
5906.3	0°	5906.3	5906.3	5906.3	5906.3	5906.3	5906.3	5906.3	5906.3	5906.3	5906.3
5993.6	2.5°	5944.8	5906.3	5808.8	5695.8	5547.0	5475.1	5377.6	5310.8	5254.3	5259.5
6142.5	5°	6060.3	5962.8	5744.6	5472.5	5133.7	4892.4	4635.7	4458.6	4314.9	4284.1
6347.8	7.5°	6219.5	6065.5	5683.0	5192.7	4620.3	4186.5	3798.9	3550.0	3372.8	3316.4
6596.8	10°	6424.8	6201.5	5603.4	4841.1	4017.1	3465.3	3049.4	2854.3	2733.7	2692.6
6889.4	12.5°	6663.6	6358.1	5498.2	4412.4	3395.9	2864.6	2600.2	2502.7	2464.2	2451.3
7248.8	15°	6963.9	6553.2	5339.1	3904.2	2869.7	2497.5	2384.6	2371.8	2376.9	2371.8
7680.0	17.5°	7320.7	6766.2	5079.8	3380.5	2515.5	2310.2	2269.1	2279.4	2292.2	2289.6
8162.6	20°	7710.8	6976.7	4748.7	2915.9	2274.2	2176.7	2153.6	2163.9	2174.1	2169.0
8719.6	22.5°	8154.9	7202.6	4381.6	2554.0	2112.5	2053.5	2027.8	2030.4	2030.4	2020.1
9425.5	25°	8686.2	7451.6	3996.6	2297.3	1989.3	1943.1	1912.3	1902.0	1886.6	1855.8
10282.8	27.5°	9320.2	7716.0	3627.0	2117.7	1891.8	1848.1	1812.2	1786.5	1748.0	1696.7
11312.1	30°	10033.8	8036.8	3313.8	2004.7	1814.8	1771.1	1730.1	1691.6	1635.1	1570.9
12495.4	32.5°	10873.2	8380.8	3085.4	1930.3	1745.5	1699.3	1650.5	1604.3	1542.7	1478.5
13825.1	35°	11874.3	8796.6	2951.9	1878.9	1691.6	1630.0	1576.0	1524.7	1478.5	1422.0
15270.2	37.5°	12960.0	9238.1	2910.8	1853.3	1655.6	1560.6	1499.0	1463.1	1458.0	1424.6
16833.4	40°	14148.5	9761.7	2941.6	1837.9	1617.1	1493.9	1427.2	1419.5	1432.3	1373.3
18504.4	42.5°	15406.3	10382.9	2993.0	1819.9	1563.2	1427.2	1363.0	1363.0	1352.7	1270.6
20270.4	45°	16766.7	11099.1	3044.3	1776.3	1499.0	1360.4	1311.7	1293.7	1250.1	1170.5
22046.7	47.5°	18137.4	11828.1	3082.8	1696.7	1422.0	1304.0	1260.3	1219.3	1155.1	1083.2
23789.6	50°	19438.8	12482.6	3041.7	1578.6	1334.8	1250.1	1203.9	1147.4	1078.1	1029.3
25440.1	52.5°	20601.6	13049.9	2867.2	1440.0	1242.4	1193.6	1152.5	1093.5	1037.0	985.7
26928.9	55°	21612.9	13509.3	2559.2	1309.1	1160.2	1144.8	1103.7	1029.3	952.3	908.7
28404.8	57.5°	22583.2	13858.4	2174.1	1201.3	1085.8	1090.9	1029.3	962.6	890.7	844.5
30394.1	60°	23874.3	14325.6	1784.0	1101.2	1006.2	1021.6	954.9	906.1	816.3	757.2
33805.5	62.5°	25938.1	15052.0	1416.9	978.0	913.8	918.9	890.7	831.7	723.9	654.5
36333.8	65°	27575.7	14785.1	1116.6	844.5	808.6	816.3	816.3	752.1	636.6	557.0
36469.9	67.5°	27390.9	12659.7	890.7	713.6	708.5	713.6	731.6	677.6	564.7	500.5
33692.5	70°	25232.2	10069.8	713.6	592.9	616.0	603.2	654.5	618.6	508.2	444.1
26120.3	72.5°	20588.7	7253.9	544.2	490.3	472.3	492.8	590.4	557.0	423.5	351.7
13835.3	75°	12030.8	3870.8	405.6	387.6	341.4	410.7	523.6	474.9	323.4	259.3
4240.4	77.5°	3917.0	1350.2	297.8	284.9	254.1	331.1	446.6	400.4	264.4	205.3
1242.4	80°	1049.8	408.1	202.8	187.4	164.3	246.4	354.2	318.3	189.9	133.5
533.9	82.5°	421.0	172.0	118.1	105.2	89.8	169.4	279.8	256.7	141.2	84.7
166.8	85°	136.0	56.5	43.6	33.4	41.1	105.2	166.8	174.5	100.1	43.6
25.7	87.5°	18.0	7.7	7.7	10.3	7.7	18.0	51.3	48.8	28.2	5.1
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°
5906.3
5208.1
4214.8
3259.9
2661.8
2443.6
2369.2
2284.5
2166.4
2015.0
1850.7
1691.6
1565.8
1481.1
1416.9
1422.0
1375.8
1270.6
1167.9
1080.6
1021.6
980.5
903.5
839.4
749.5
649.4
549.3
490.3
436.4
344.0
251.6
197.6
130.9
84.7
33.4
0.0
0.0

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