

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: P850135

Luminaire Tested: **GLAN-SB7C-730-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850135
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-SB7C-730-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3000K, 615mA 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: 37568 lumens
Efficiency: N/A
Efficacy: 107.2 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

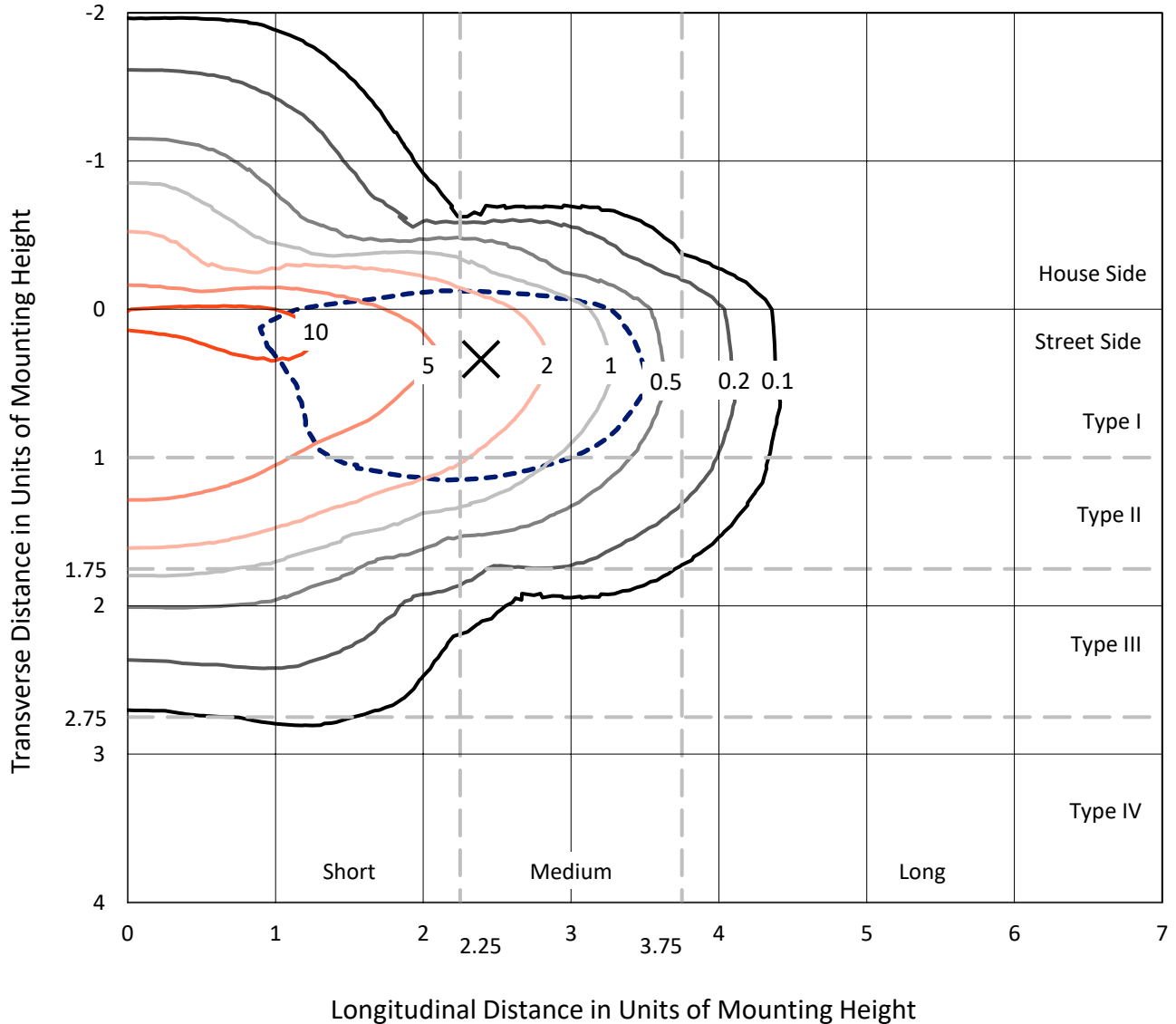
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

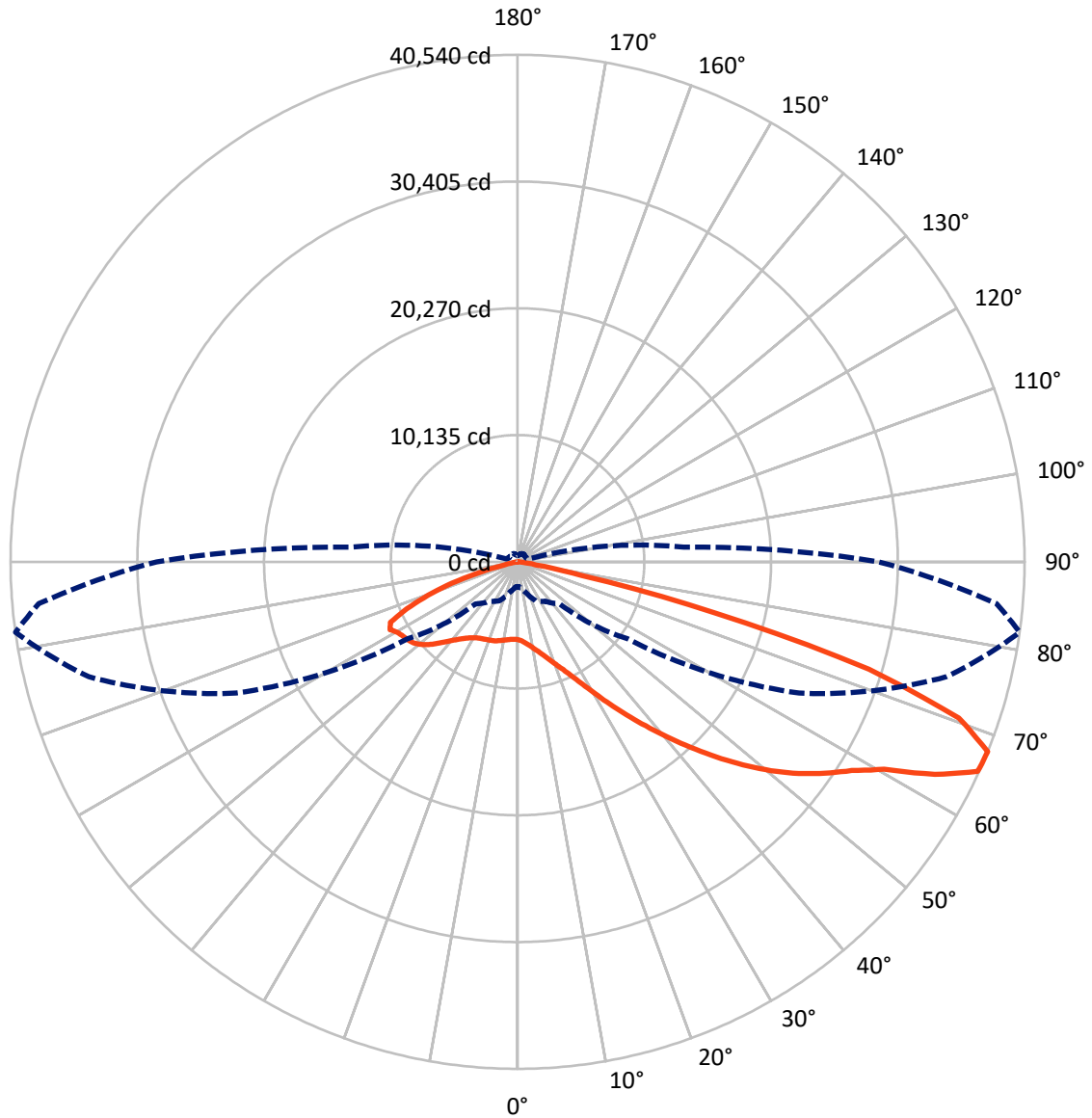
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.2 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	6805.1	0.0	6805.1
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	30762.9	0.0	30762.9
	% Fixture	81.9	0.0	81.9
Total	Lumens	37568.0	0.0	37568.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	554.5	1.5
10°-20°	1440.9	3.8
20°-30°	2307.9	6.1
30°-40°	4081.0	10.9
40°-50°	7150.3	19.0
50°-60°	9536.5	25.4
60°-70°	8878.0	23.6
70°-80°	3407.4	9.1
80°-90°	211.6	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°	37568.0	100.0
0°-180°	37568.0	100.0

Coefficient of Utilization

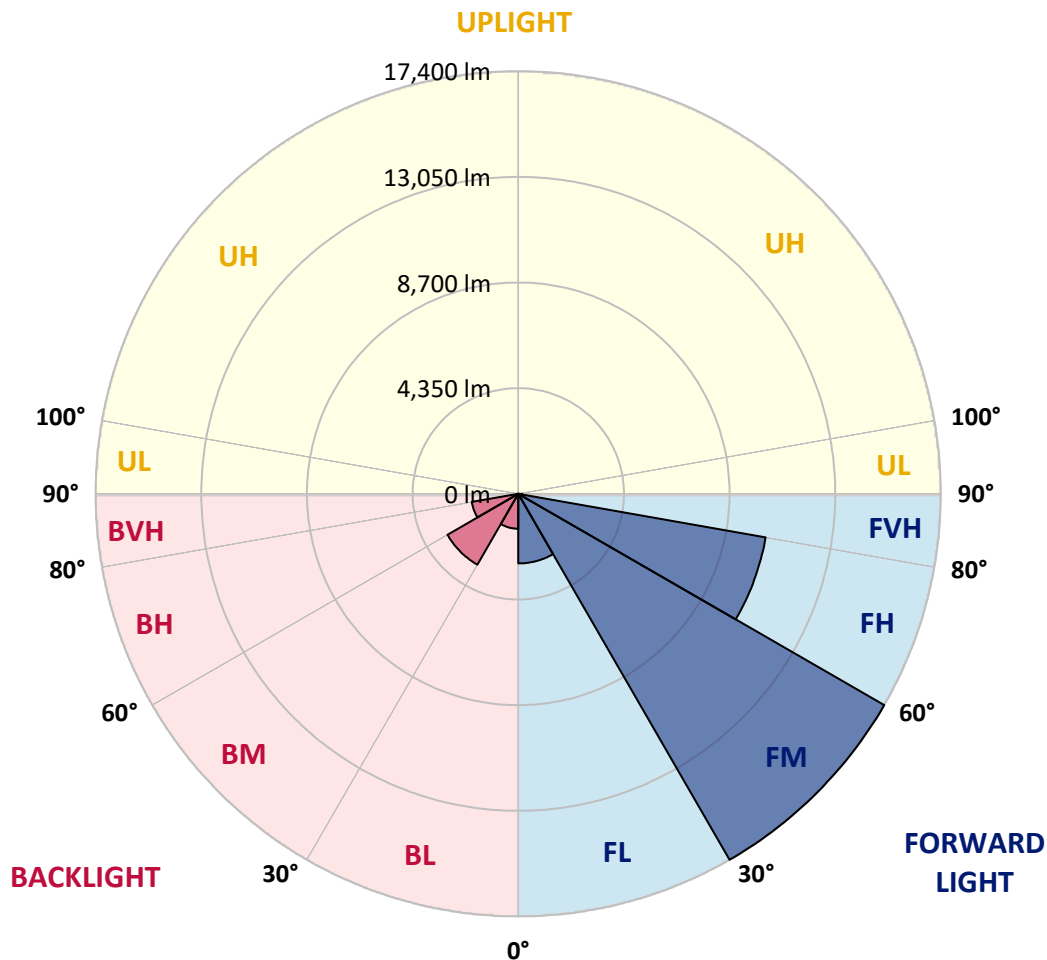


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2866.0	7.6			
FM (30°-60°)	17400.0	46.3			
FH (60°-80°)	10343.0	27.5			G4/12000
FVH (80°-90°)	153.9	0.4			G2/225
BL (0°-30°)	1437.2	3.8	B3/2500		
BM (30°-60°)	3367.8	9.0	B3/5000		
BH (60°-80°)	1942.3	5.2	B3/2500		G3/2500
BVH (80°-90°)	57.8	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°	6223.7	6223.7	6223.7	6223.7	6223.7	6223.7	6223.7	6223.7	6223.7	6223.7
2.5°	6578.1	6615.9	6594.3	6583.5	6564.6	6537.5	6515.9	6448.2	6377.9	6331.9
5°	6710.6	6748.5	6745.8	6756.6	6770.1	6778.2	6772.8	6697.1	6597.0	6518.6
7.5°	6597.0	6640.3	6675.4	6729.5	6824.2	6924.3	6973.0	6956.7	6854.0	6745.8
10°	6275.1	6321.1	6405.0	6532.1	6732.2	6948.6	7129.9	7213.7	7148.8	7029.8
12.5°	5685.5	5731.5	5896.5	6172.4	6507.8	6883.7	7229.9	7454.4	7470.7	7351.6
15°	5022.8	5068.8	5244.6	5590.8	6102.0	6705.2	7284.0	7708.7	7852.0	7749.3
17.5°	4611.7	4652.3	4784.8	5063.4	5596.2	6348.2	7265.1	7979.2	8306.4	8225.3
20°	4487.3	4522.4	4584.6	4779.4	5223.0	5977.6	7140.7	8233.4	8796.0	8750.0
22.5°	4619.8	4652.3	4671.2	4757.7	5036.3	5734.2	6983.8	8493.1	9364.0	9369.4
25°	4925.4	4957.9	4936.3	4990.4	5112.1	5658.4	6924.3	8798.7	10078.1	10137.6
27.5°	5428.5	5431.2	5379.8	5377.1	5396.1	5772.0	6986.5	9126.0	10978.8	11089.7
30°	6437.4	6396.9	6199.4	5985.7	5888.4	6112.8	7159.6	9512.8	12041.8	12239.2
32.5°	7992.7	7933.2	7570.7	7059.5	6545.6	6661.9	7470.7	9953.7	13199.4	13556.5
35°	9680.5	9664.3	9285.6	8525.5	7627.5	7443.6	7976.5	10532.5	14462.6	15030.6
37.5°	11249.3	11241.2	11024.8	10129.5	9036.7	8533.6	8787.9	11289.8	15815.0	16637.2
40°	12682.8	12707.2	12490.8	11690.1	10589.3	9932.0	9891.5	12225.7	17318.8	18387.2
42.5°	13921.6	13948.7	13729.6	13137.2	12122.9	11479.2	11246.6	13372.5	18787.5	20267.1
45°	14762.8	14930.5	14898.0	14424.7	13697.1	13029.0	12874.9	14811.5	20461.8	22260.5
47.5°	15000.8	15155.0	15398.4	15463.3	15019.8	14362.5	14546.4	16545.3	22155.0	24256.7
50°	14413.9	14557.2	15063.0	15736.5	16044.9	15842.0	16172.0	18403.5	23888.8	26247.4
52.5°	13256.2	13402.3	14040.6	15106.3	16364.0	17002.4	17803.0	20234.6	25568.5	28132.6
55°	11582.0	11736.1	12555.7	13762.0	15755.5	17481.1	19163.5	22063.1	27107.5	29828.5
57.5°	9304.5	9418.1	10270.1	11957.9	14224.5	17005.1	20167.0	24059.2	28557.3	31494.7
60°	6064.2	6164.2	7154.2	9036.7	11687.4	15414.7	20367.1	26285.3	30483.1	33661.2
62.5°	4032.9	4100.5	4687.4	6069.6	8230.7	12360.9	19196.0	28062.3	33306.9	37431.7
65°	2767.0	2834.6	3421.6	4384.5	5317.6	8176.6	15828.5	27827.0	35865.7	40426.0
67.5°	1974.5	2031.3	2529.0	3437.8	3848.9	4749.6	10729.9	24819.3	35497.8	40539.6
70°	1414.6	1447.1	1858.2	2677.8	3059.1	2853.6	5966.8	18982.3	31080.9	37434.4
72.5°	990.0	1000.8	1290.2	2039.4	2464.1	2082.7	2840.0	12655.8	23507.4	29382.2
75°	670.8	684.3	868.2	1495.8	1977.2	1590.4	1503.9	6786.3	13799.9	16264.0
77.5°	411.1	416.5	559.9	1022.4	1479.5	1211.8	968.3	2875.2	5339.3	5241.9
80°	232.6	232.6	357.0	635.6	1008.9	781.7	678.9	1222.6	1690.5	1484.9
82.5°	129.8	132.5	259.7	394.9	668.1	462.5	373.3	565.3	730.3	646.4
85°	54.1	59.5	159.6	186.6	319.2	229.9	151.5	238.0	270.5	240.7
87.5°	5.4	8.1	48.7	35.2	37.9	46.0	21.6	46.0	37.9	37.9
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°
6223.7	0°	6223.7	6223.7	6223.7	6223.7	6223.7	6223.7	6223.7	6223.7	6223.7	6223.7
6315.7	2.5°	6264.3	6223.7	6121.0	6002.0	5845.1	5769.3	5666.6	5596.2	5536.7	5542.1
6472.6	5°	6386.0	6283.3	6053.3	5766.6	5409.6	5155.3	4884.9	4698.2	4546.8	4514.3
6689.0	7.5°	6553.7	6391.4	5988.4	5471.8	4868.6	4411.5	4003.1	3740.7	3554.1	3494.6
6951.3	10°	6770.1	6534.8	5904.6	5101.3	4233.0	3651.5	3213.3	3007.7	2880.6	2837.3
7259.7	12.5°	7021.7	6699.8	5793.7	4649.6	3578.5	3018.6	2740.0	2637.2	2596.6	2583.1
7638.4	15°	7338.1	6905.4	5626.0	4114.0	3024.0	2631.8	2512.8	2499.2	2504.6	2499.2
8092.8	17.5°	7714.1	7129.9	5352.8	3562.2	2650.7	2434.3	2391.0	2401.9	2415.4	2412.7
8601.3	20°	8125.2	7351.6	5003.9	3072.7	2396.5	2293.7	2269.3	2280.1	2291.0	2285.6
9188.2	22.5°	8593.2	7589.7	4617.1	2691.3	2226.1	2163.8	2136.8	2139.5	2139.5	2128.7
9932.0	25°	9153.0	7852.0	4211.4	2420.8	2096.2	2047.5	2015.1	2004.3	1988.0	1955.6
10835.4	27.5°	9821.1	8130.6	3821.9	2231.5	1993.4	1947.5	1909.6	1882.5	1842.0	1787.9
11920.1	30°	10573.1	8468.7	3491.9	2112.4	1912.3	1866.3	1823.0	1782.5	1723.0	1655.3
13167.0	32.5°	11457.5	8831.2	3251.2	2034.0	1839.3	1790.6	1739.2	1690.5	1625.6	1558.0
14568.1	35°	12512.4	9269.4	3110.5	1979.9	1782.5	1717.5	1660.7	1606.7	1558.0	1498.5
16090.9	37.5°	13656.5	9734.6	3067.2	1952.9	1744.6	1644.5	1579.6	1541.7	1536.3	1501.2
17738.1	40°	14908.9	10286.4	3099.7	1936.6	1704.0	1574.2	1503.9	1495.8	1509.3	1447.1
19498.9	42.5°	16234.2	10940.9	3153.8	1917.7	1647.2	1503.9	1436.2	1436.2	1425.4	1338.9
21359.8	45°	17667.8	11695.6	3207.9	1871.7	1579.6	1433.5	1382.2	1363.2	1317.2	1233.4
23231.5	47.5°	19112.1	12463.7	3248.5	1787.9	1498.5	1374.0	1328.1	1284.8	1217.2	1141.4
25068.1	50°	20483.5	13153.4	3205.2	1663.5	1406.5	1317.2	1268.6	1209.0	1136.0	1084.6
26807.3	52.5°	21708.7	13751.2	3021.3	1517.4	1309.1	1257.7	1214.5	1152.2	1092.7	1038.6
28376.1	55°	22774.4	14235.4	2696.7	1379.4	1222.6	1206.3	1163.1	1084.6	1003.5	957.5
29931.3	57.5°	23796.8	14603.2	2291.0	1265.8	1144.1	1149.5	1084.6	1014.3	938.6	889.9
32027.5	60°	25157.4	15095.5	1879.8	1160.4	1060.3	1076.5	1006.2	954.8	860.1	797.9
35622.2	62.5°	27332.0	15861.0	1493.0	1030.5	962.9	968.3	938.6	876.4	762.8	689.7
38286.5	65°	29057.7	15579.7	1176.6	889.9	852.0	860.1	860.1	792.5	670.8	586.9
38429.8	67.5°	28862.9	13340.1	938.6	751.9	746.5	751.9	770.9	714.1	595.1	527.4
35503.2	70°	26588.2	10610.9	751.9	624.8	649.2	635.6	689.7	651.9	535.6	467.9
27524.1	72.5°	21695.2	7643.8	573.4	516.6	497.7	519.3	622.1	586.9	446.3	370.6
14578.9	75°	12677.4	4078.8	427.4	408.4	359.7	432.8	551.8	500.4	340.8	273.2
4468.3	77.5°	4127.5	1422.7	313.8	300.2	267.8	348.9	470.6	421.9	278.6	216.4
1309.1	80°	1106.3	430.1	213.7	197.5	173.1	259.7	373.3	335.4	200.2	140.6
562.6	82.5°	443.6	181.2	124.4	110.9	94.7	178.5	294.8	270.5	148.8	89.3
175.8	85°	143.4	59.5	46.0	35.2	43.3	110.9	175.8	183.9	105.5	46.0
27.0	87.5°	18.9	8.1	8.1	10.8	8.1	18.9	54.1	51.4	29.8	5.4
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°
6223.7
5488.0
4441.3
3435.1
2804.9
2575.0
2496.5
2407.3
2282.9
2123.3
1950.2
1782.5
1649.9
1560.7
1493.0
1498.5
1449.8
1338.9
1230.7
1138.7
1076.5
1033.2
952.1
884.5
789.8
684.3
578.8
516.6
459.8
362.4
265.1
208.3
137.9
89.3
35.2
0.0
0.0

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