

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: P849975

Luminaire Tested: **GLAN-SB7B-735-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849975
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-SB7B-735-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3500K, 450mA 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: 28696 lumens
Efficiency: N/A
Efficacy: 111.8 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

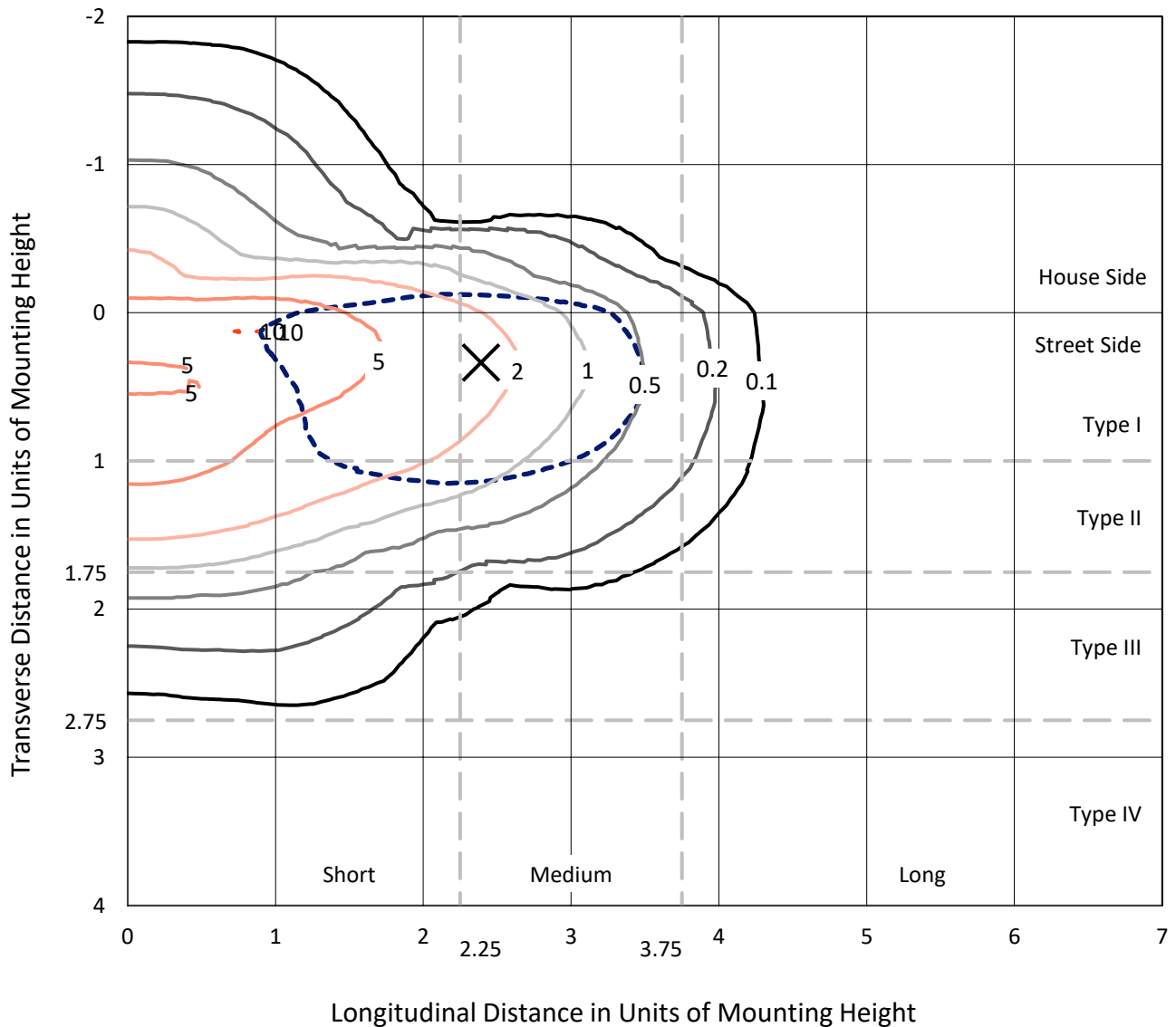
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

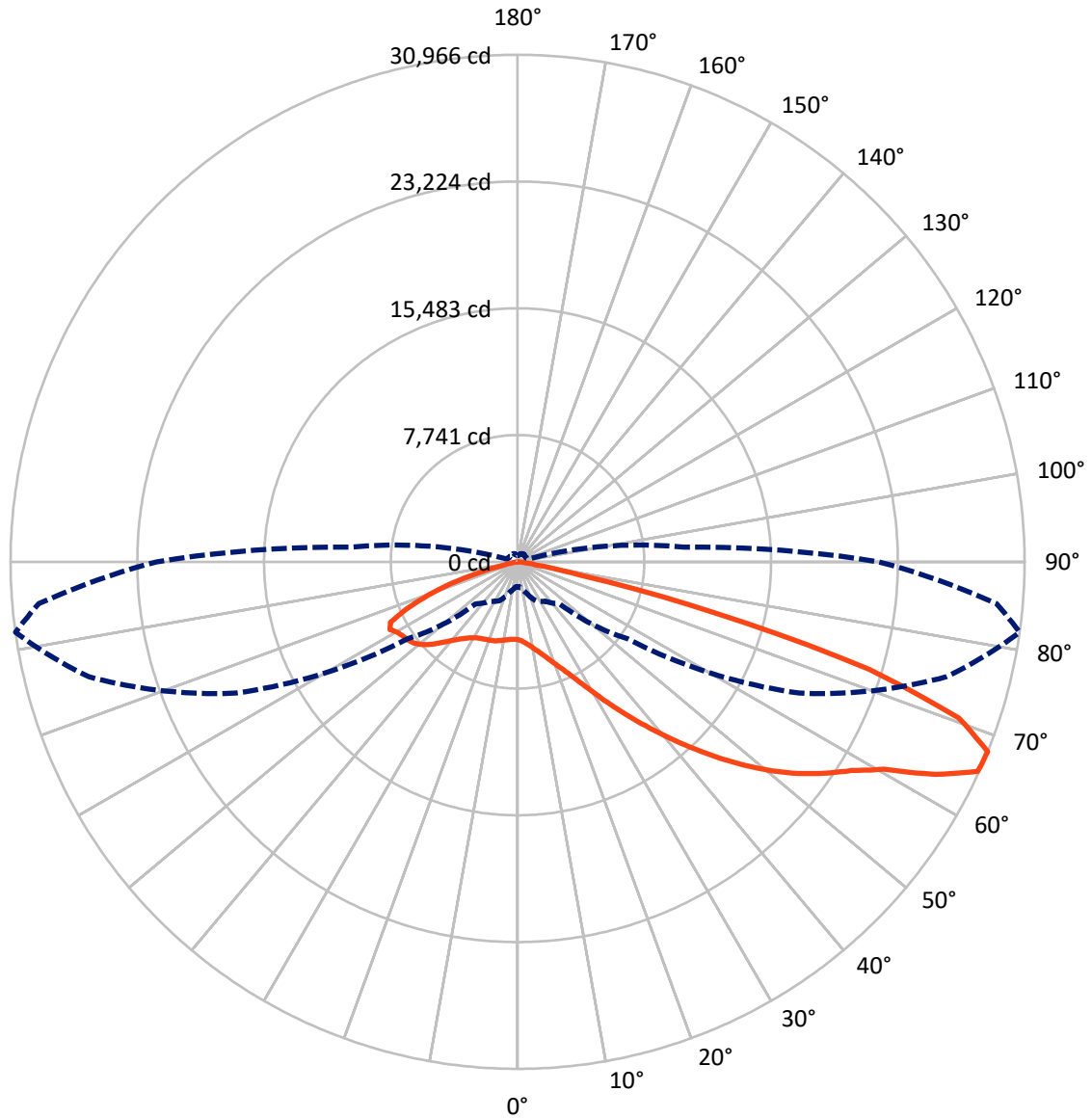
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 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	5198.0	0.0	5198.0
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	23498.0	0.0	23498.0
	% Fixture	81.9	0.0	81.9
Total	Lumens	28696.0	0.0	28696.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	423.5	1.5
10°-20°	1100.6	3.8
20°-30°	1762.8	6.1
30°-40°	3117.2	10.9
40°-50°	5461.7	19.0
50°-60°	7284.4	25.4
60°-70°	6781.4	23.6
70°-80°	2602.7	9.1
80°-90°	161.7	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°	28696.0	100.0
0°-180°	28696.0	100.0

Coefficient of Utilization

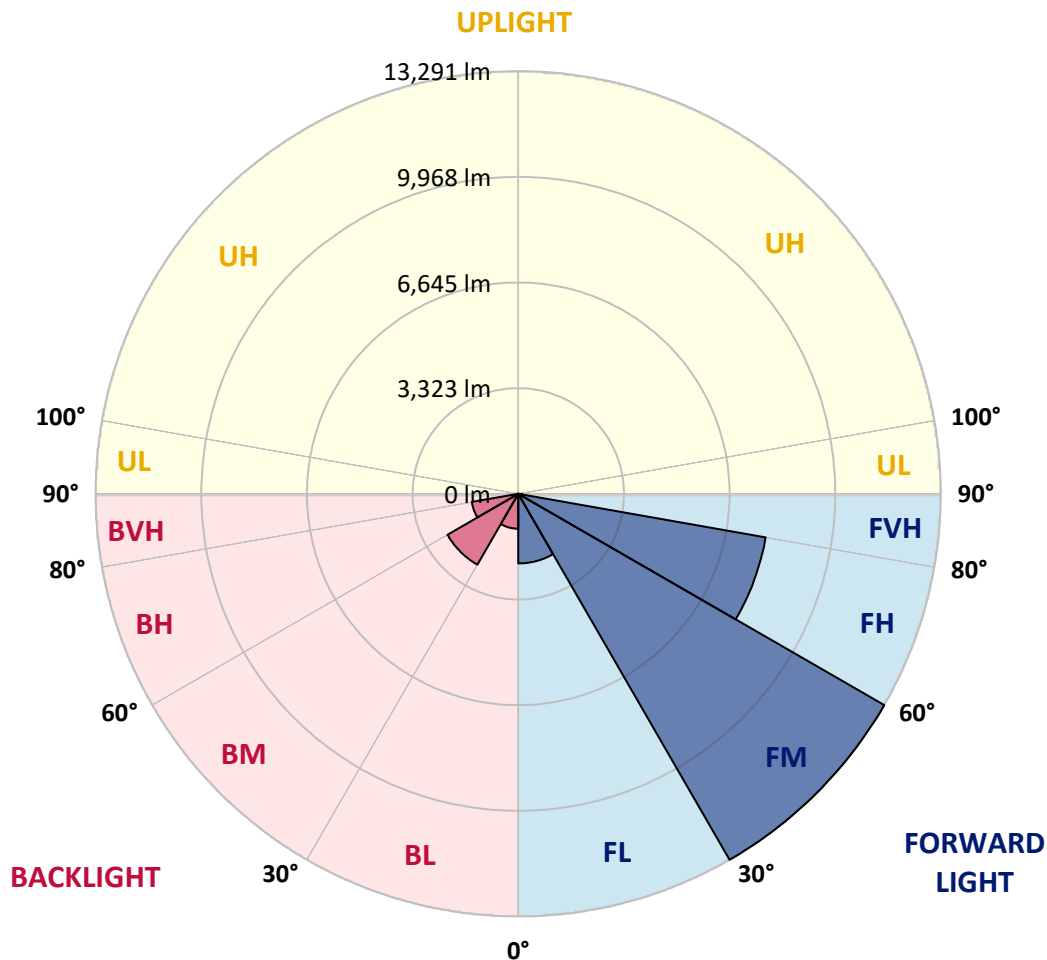


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2189.2	7.6			
FM (30°-60°)	13290.8	46.3			
FH (60°-80°)	7900.4	27.5			G4/12000
FVH (80°-90°)	117.5	0.4			G2/225
BL (0°-30°)	1097.8	3.8	B3/2500		
BM (30°-60°)	2572.5	9.0	B3/5000		
BH (60°-80°)	1483.6	5.2	B3/2500		G3/2500
BVH (80°-90°)	44.1	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°	4754.0	4754.0	4754.0	4754.0	4754.0	4754.0	4754.0	4754.0	4754.0	4754.0
2.5°	5024.6	5053.5	5037.0	5028.7	5014.3	4993.6	4977.1	4925.4	4871.7	4836.6
5°	5125.8	5154.8	5152.7	5161.0	5171.3	5177.5	5173.4	5115.5	5039.1	4979.2
7.5°	5039.1	5072.1	5099.0	5140.3	5212.6	5289.1	5326.2	5313.9	5235.3	5152.7
10°	4793.2	4828.3	4892.4	4989.5	5142.4	5307.7	5446.1	5510.1	5460.5	5369.6
12.5°	4342.8	4377.9	4504.0	4714.7	4970.9	5258.1	5522.5	5694.0	5706.4	5615.5
15°	3836.6	3871.8	4006.0	4270.5	4661.0	5121.7	5563.8	5888.2	5997.7	5919.2
17.5°	3522.6	3553.6	3654.8	3867.6	4274.6	4849.0	5549.4	6094.8	6344.8	6282.8
20°	3427.6	3454.4	3501.9	3650.7	3989.5	4565.9	5454.3	6289.0	6718.8	6683.6
22.5°	3528.8	3553.6	3568.0	3634.2	3847.0	4380.0	5334.5	6487.4	7152.6	7156.8
25°	3762.3	3787.0	3770.5	3811.8	3904.8	4322.2	5289.1	6720.8	7698.1	7743.5
27.5°	4146.5	4148.6	4109.4	4107.3	4121.7	4408.9	5336.6	6970.8	8386.1	8470.8
30°	4917.2	4886.2	4735.4	4572.1	4497.8	4669.2	5468.8	7266.3	9198.0	9348.8
32.5°	6105.1	6059.7	5782.8	5392.4	4999.8	5088.7	5706.4	7603.0	10082.3	10355.0
35°	7394.4	7382.0	7092.7	6512.2	5826.2	5685.7	6092.7	8045.2	11047.1	11481.0
37.5°	8592.7	8586.5	8421.2	7737.3	6902.6	6518.4	6712.6	8623.6	12080.1	12708.2
40°	9687.7	9706.3	9541.0	8929.4	8088.5	7586.5	7555.5	9338.5	13228.8	14044.9
42.5°	10633.9	10654.6	10487.2	10034.8	9260.0	8768.3	8590.6	10214.5	14350.7	15480.8
45°	11276.4	11404.5	11379.7	11018.2	10462.4	9952.1	9834.3	11313.6	15629.6	17003.5
47.5°	11458.3	11576.0	11762.0	11811.5	11472.7	10970.7	11111.2	12638.0	16922.9	18528.2
50°	11009.9	11119.4	11505.8	12020.2	12255.7	12100.8	12352.8	14057.3	18247.3	20048.8
52.5°	10125.7	10237.2	10724.8	11538.8	12499.5	12987.1	13598.7	15456.0	19530.3	21488.9
55°	8846.8	8964.5	9590.6	10512.0	12034.7	13352.8	14637.9	16852.7	20705.8	22784.3
57.5°	7107.2	7193.9	7844.8	9134.0	10865.3	12989.2	15404.4	18377.4	21813.2	24057.0
60°	4632.1	4708.5	5464.7	6902.6	8927.4	11774.4	15557.3	20077.8	23284.3	25711.9
62.5°	3080.5	3132.1	3580.4	4636.2	6287.0	9441.8	14662.7	21435.2	25441.2	28591.9
65°	2113.6	2165.2	2613.5	3349.0	4061.8	6245.6	12090.5	21255.4	27395.7	30879.0
67.5°	1508.2	1551.6	1931.7	2625.9	2940.0	3628.0	8196.0	18958.0	27114.7	30965.8
70°	1080.5	1105.3	1419.4	2045.4	2336.7	2179.7	4557.7	14499.5	23740.9	28594.0
72.5°	756.2	764.4	985.5	1557.8	1882.2	1590.9	2169.3	9667.0	17955.9	22443.4
75°	512.4	522.7	663.2	1142.5	1510.3	1214.8	1148.7	5183.7	10540.9	12423.1
77.5°	314.0	318.2	427.7	781.0	1130.1	925.6	739.6	2196.2	4078.4	4004.0
80°	177.7	177.7	272.7	485.5	770.6	597.1	518.6	933.8	1291.3	1134.3
82.5°	99.2	101.2	198.3	301.6	510.3	353.3	285.1	431.8	557.8	493.8
85°	41.3	45.5	121.9	142.6	243.8	175.6	115.7	181.8	206.6	183.9
87.5°	4.1	6.2	37.2	26.9	28.9	35.1	16.5	35.1	28.9	28.9
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°
4754.0	0°	4754.0	4754.0	4754.0	4754.0	4754.0	4754.0	4754.0	4754.0	4754.0	4754.0
4824.2	2.5°	4784.9	4754.0	4675.4	4584.5	4464.7	4406.9	4328.4	4274.6	4229.2	4233.3
4944.0	5°	4877.9	4799.4	4623.8	4404.8	4132.1	3937.9	3731.3	3588.7	3473.0	3448.2
5109.3	7.5°	5006.0	4882.1	4574.2	4179.6	3718.9	3369.7	3057.7	2857.3	2714.8	2669.3
5309.7	10°	5171.3	4991.6	4510.2	3896.5	3233.4	2789.2	2454.5	2297.4	2200.3	2167.3
5545.2	12.5°	5363.4	5117.6	4425.5	3551.5	2733.4	2305.7	2092.9	2014.4	1983.4	1973.1
5834.5	15°	5605.2	5274.6	4297.4	3142.4	2309.8	2010.3	1919.4	1909.0	1913.2	1909.0
6181.6	17.5°	5892.3	5446.1	4088.7	2721.0	2024.7	1859.4	1826.4	1834.6	1845.0	1842.9
6570.0	20°	6206.4	5615.5	3822.2	2347.0	1830.5	1752.0	1733.4	1741.7	1749.9	1745.8
7018.3	22.5°	6563.8	5797.3	3526.7	2055.7	1700.4	1652.8	1632.2	1634.2	1634.2	1626.0
7586.5	25°	6991.5	5997.7	3216.8	1849.1	1601.2	1564.0	1539.2	1530.9	1518.5	1493.7
8276.6	27.5°	7501.8	6210.5	2919.3	1704.5	1522.7	1487.5	1458.6	1438.0	1407.0	1365.7
9105.0	30°	8076.1	6468.8	2667.3	1613.6	1460.7	1425.6	1392.5	1361.5	1316.1	1264.4
10057.5	32.5°	8751.7	6745.6	2483.4	1553.7	1404.9	1367.7	1328.5	1291.3	1241.7	1190.0
11127.7	35°	9557.5	7080.3	2375.9	1512.3	1361.5	1311.9	1268.5	1227.2	1190.0	1144.6
12290.9	37.5°	10431.4	7435.7	2342.9	1491.7	1332.6	1256.2	1206.6	1177.6	1173.5	1146.7
13549.1	40°	11388.0	7857.1	2367.7	1479.3	1301.6	1202.4	1148.7	1142.5	1152.8	1105.3
14894.1	42.5°	12400.4	8357.1	2409.0	1464.8	1258.2	1148.7	1097.1	1097.1	1088.8	1022.7
16315.5	45°	13495.4	8933.6	2450.3	1429.7	1206.6	1095.0	1055.7	1041.3	1006.2	942.1
17745.2	47.5°	14598.6	9520.3	2481.3	1365.7	1144.6	1049.5	1014.4	981.4	929.7	871.9
19148.1	50°	15646.1	10047.1	2448.3	1270.6	1074.3	1006.2	969.0	923.5	867.7	828.5
20476.5	52.5°	16582.0	10503.7	2307.8	1159.0	1000.0	960.7	927.7	880.1	834.7	793.4
21674.8	55°	17396.0	10873.6	2059.8	1053.7	933.8	921.5	888.4	828.5	766.5	731.4
22862.8	57.5°	18177.0	11154.5	1749.9	966.9	873.9	878.1	828.5	774.8	716.9	679.7
24464.0	60°	19216.2	11530.6	1435.9	886.3	809.9	822.3	768.6	729.3	657.0	609.5
27209.7	62.5°	20877.3	12115.3	1140.5	787.2	735.5	739.6	716.9	669.4	582.6	526.8
29244.8	65°	22195.5	11900.4	898.7	679.7	650.8	657.0	657.0	605.3	512.4	448.3
29354.3	67.5°	22046.7	10189.7	716.9	574.4	570.2	574.4	588.8	545.4	454.5	402.9
27118.8	70°	20309.2	8105.1	574.4	477.3	495.8	485.5	526.8	497.9	409.1	357.4
21024.0	72.5°	16571.7	5838.6	438.0	394.6	380.2	396.7	475.2	448.3	340.9	283.0
11136.0	75°	9683.5	3115.6	326.4	312.0	274.8	330.6	421.5	382.2	260.3	208.7
3413.1	77.5°	3152.8	1086.7	239.7	229.3	204.5	266.5	359.5	322.3	212.8	165.3
1000.0	80°	845.0	328.5	163.2	150.8	132.2	198.3	285.1	256.2	152.9	107.4
429.7	82.5°	338.8	138.4	95.0	84.7	72.3	136.4	225.2	206.6	113.6	68.2
134.3	85°	109.5	45.5	35.1	26.9	33.1	84.7	134.3	140.5	80.6	35.1
20.7	87.5°	14.5	6.2	6.2	8.3	6.2	14.5	41.3	39.3	22.7	4.1
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°
4754.0
4192.0
3392.4
2623.9
2142.5
1966.9
1907.0
1838.8
1743.7
1621.8
1489.6
1361.5
1260.3
1192.1
1140.5
1144.6
1107.4
1022.7
940.0
869.8
822.3
789.2
727.2
675.6
603.3
522.7
442.1
394.6
351.2
276.8
202.5
159.1
105.4
68.2
26.9
0.0
0.0

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