

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: P850655

Luminaire Tested: **GLAN-SB8B-735-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850655
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-SB8B-735-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 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: 32628 lumens
Efficiency: N/A
Efficacy: 111.4 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

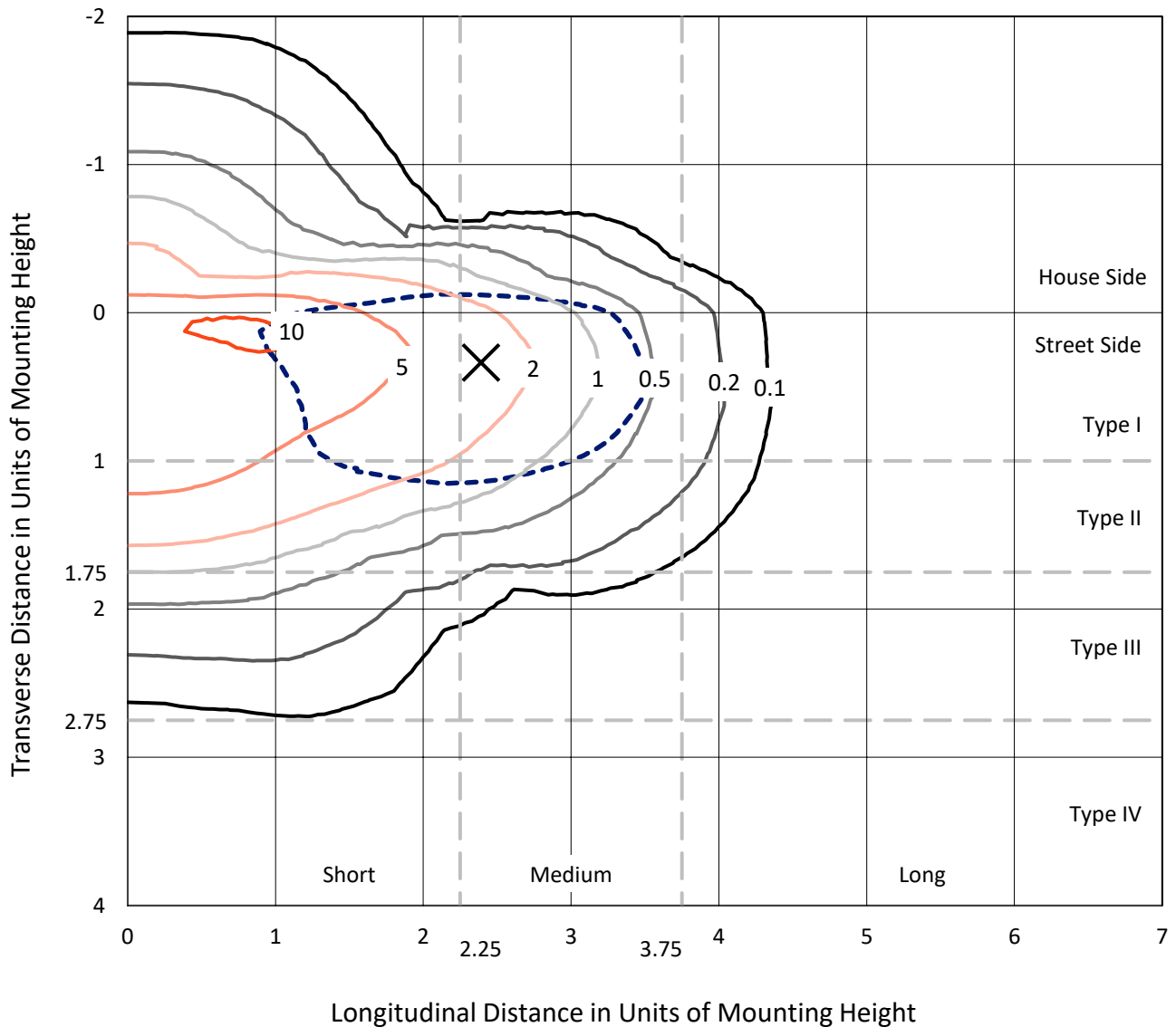
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

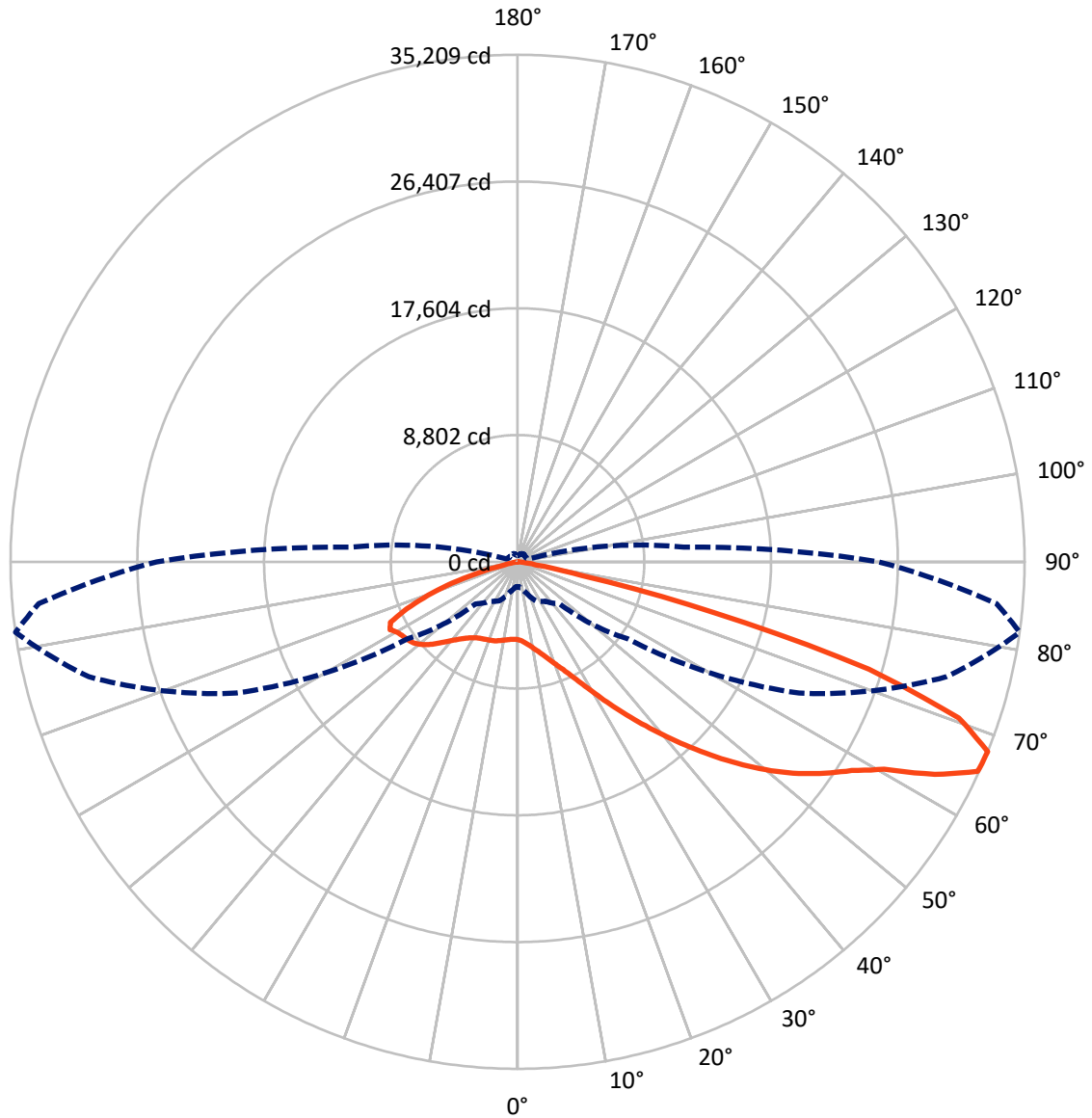
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.4 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	5910.3	0.0	5910.3
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	26717.7	0.0	26717.7
	% Fixture	81.9	0.0	81.9
Total	Lumens	32628.0	0.0	32628.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	481.6	1.5
10°-20°	1251.4	3.8
20°-30°	2004.4	6.1
30°-40°	3544.4	10.9
40°-50°	6210.1	19.0
50°-60°	8282.5	25.4
60°-70°	7710.6	23.6
70°-80°	2959.3	9.1
80°-90°	183.8	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°	32628.0	100.0
0°-180°	32628.0	100.0

Coefficient of Utilization



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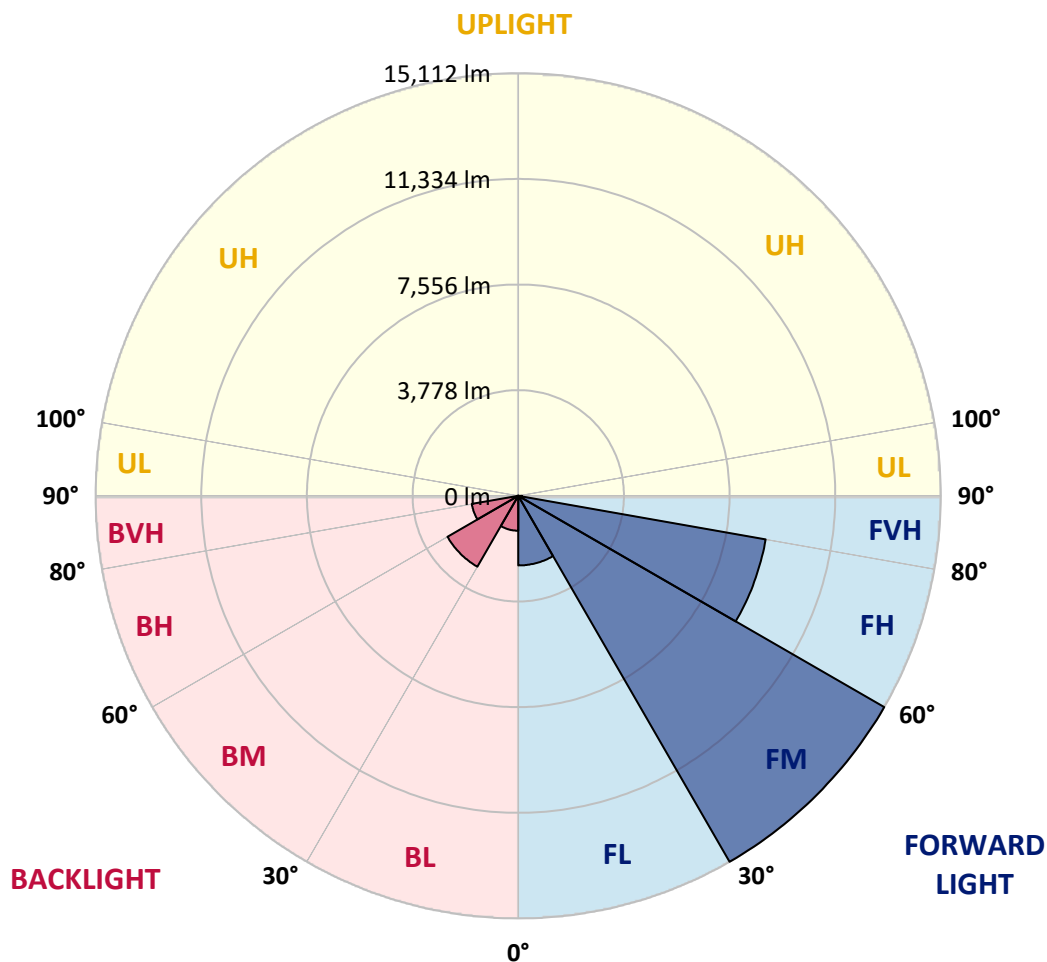
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2489.2	7.6			
FM (30°-60°)	15112.0	46.3			
FH (60°-80°)	8983.0	27.5			G4/12000
FVH (80°-90°)	133.6	0.4			G2/225
BL (0°-30°)	1248.2	3.8	B3/2500		
BM (30°-60°)	2925.0	9.0	B3/5000		
BH (60°-80°)	1686.9	5.2	B3/2500		G3/2500
BVH (80°-90°)	50.2	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°	5405.4	5405.4	5405.4	5405.4	5405.4	5405.4	5405.4	5405.4	5405.4	5405.4
2.5°	5713.1	5746.0	5727.2	5717.8	5701.3	5677.9	5659.1	5600.3	5539.3	5499.3
5°	5828.2	5861.1	5858.7	5868.1	5879.9	5886.9	5882.2	5816.5	5729.5	5661.4
7.5°	5729.5	5767.1	5797.7	5844.6	5926.9	6013.8	6056.1	6042.0	5952.7	5858.7
10°	5450.0	5489.9	5562.7	5673.2	5847.0	6034.9	6192.3	6265.1	6208.8	6105.4
12.5°	4937.9	4977.8	5121.1	5360.7	5652.0	5978.5	6279.2	6474.2	6488.3	6384.9
15°	4362.3	4402.3	4555.0	4855.7	5299.6	5823.5	6326.2	6695.0	6819.5	6730.3
17.5°	4005.3	4040.5	4155.6	4397.6	4860.4	5513.4	6309.8	6929.9	7214.2	7143.7
20°	3897.2	3927.8	3981.8	4150.9	4536.2	5191.6	6201.7	7150.8	7639.4	7599.4
22.5°	4012.3	4040.5	4057.0	4132.1	4374.1	4980.2	6065.5	7376.3	8132.7	8137.4
25°	4277.8	4306.0	4287.2	4334.2	4439.9	4914.4	6013.8	7641.7	8752.9	8804.6
27.5°	4714.7	4717.1	4672.4	4670.1	4686.5	5013.1	6067.8	7926.0	9535.1	9631.4
30°	5590.9	5555.7	5384.2	5198.6	5114.1	5309.0	6218.2	8261.9	10458.3	10629.8
32.5°	6941.7	6890.0	6575.2	6131.2	5684.9	5785.9	6488.3	8644.8	11463.8	11773.9
35°	8407.5	8393.5	8064.6	7404.5	6624.6	6464.8	6927.6	9147.5	12560.8	13054.1
37.5°	9770.0	9763.0	9575.1	8797.5	7848.5	7411.5	7632.3	9805.3	13735.4	14449.5
40°	11015.1	11036.2	10848.3	10153.0	9196.9	8626.0	8590.8	10618.1	15041.5	15969.4
42.5°	12091.0	12114.5	11924.2	11409.7	10528.8	9969.7	9767.7	11614.1	16317.1	17602.1
45°	12821.6	12967.2	12939.0	12527.9	11896.0	11315.8	11181.9	12863.9	17771.2	19333.4
47.5°	13028.3	13162.2	13373.6	13430.0	13044.7	12473.9	12633.6	14369.6	19241.7	21067.0
50°	12518.5	12643.0	13082.3	13667.3	13935.1	13758.9	14045.5	15983.5	20747.5	22796.0
52.5°	11513.1	11640.0	12194.4	13119.9	14212.3	14766.7	15462.0	17573.9	22206.4	24433.3
55°	10059.0	10192.9	10904.7	11952.4	13683.7	15182.4	16643.6	19161.9	23543.0	25906.2
57.5°	8081.0	8179.7	8919.7	10385.5	12354.1	14769.0	17515.1	20895.5	24802.1	27353.3
60°	5266.8	5353.7	6213.5	7848.5	10150.6	13387.7	17689.0	22828.9	26474.7	29235.0
62.5°	3502.6	3561.3	4071.0	5271.5	7148.4	10735.5	16671.8	24372.3	28927.2	32509.7
65°	2403.2	2461.9	2971.7	3807.9	4618.4	7101.4	13747.1	24167.9	31149.5	35110.1
67.5°	1714.9	1764.2	2196.4	2985.7	3342.8	4125.1	9319.0	21555.6	30830.0	35208.8
70°	1228.6	1256.8	1613.9	2325.6	2656.9	2478.3	5182.2	16486.2	26993.9	32512.0
72.5°	859.8	869.2	1120.5	1771.2	2140.1	1808.8	2466.6	10991.6	20416.3	25518.6
75°	582.6	594.3	754.1	1299.1	1717.2	1381.3	1306.1	5894.0	11985.3	14125.3
77.5°	357.1	361.8	486.3	888.0	1285.0	1052.4	841.0	2497.1	4637.2	4552.6
80°	202.0	202.0	310.1	552.0	876.2	678.9	589.6	1061.8	1468.2	1289.7
82.5°	112.8	115.1	225.5	343.0	580.2	401.7	324.2	491.0	634.3	561.4
85°	47.0	51.7	138.6	162.1	277.2	199.7	131.6	206.7	234.9	209.1
87.5°	4.7	7.0	42.3	30.5	32.9	39.9	18.8	39.9	32.9	32.9
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°
5405.4	0°	5405.4	5405.4	5405.4	5405.4	5405.4	5405.4	5405.4	5405.4	5405.4	5405.4
5485.2	2.5°	5440.6	5405.4	5316.1	5212.7	5076.5	5010.7	4921.4	4860.4	4808.7	4813.4
5621.5	5°	5546.3	5457.0	5257.4	5008.4	4698.3	4477.4	4242.5	4080.4	3948.9	3920.7
5809.4	7.5°	5691.9	5551.0	5201.0	4752.3	4228.4	3831.4	3476.7	3248.9	3086.8	3035.1
6037.3	10°	5879.9	5675.5	5128.2	4430.5	3676.4	3171.3	2790.8	2612.2	2501.8	2464.2
6305.1	12.5°	6098.3	5818.8	5031.8	4038.2	3107.9	2621.6	2379.7	2290.4	2255.2	2243.4
6634.0	15°	6373.2	5997.3	4886.2	3573.0	2626.3	2285.7	2182.3	2170.6	2175.3	2170.6
7028.6	17.5°	6699.7	6192.3	4648.9	3093.8	2302.2	2114.2	2076.6	2086.0	2097.8	2095.4
7470.2	20°	7056.8	6384.9	4345.9	2668.6	2081.3	1992.1	1970.9	1980.3	1989.7	1985.0
7980.0	22.5°	7463.2	6591.7	4010.0	2337.4	1933.3	1879.3	1855.8	1858.2	1858.2	1848.8
8626.0	25°	7949.5	6819.5	3657.6	2102.5	1820.6	1778.3	1750.1	1740.7	1726.6	1698.4
9410.6	27.5°	8529.7	7061.5	3319.3	1938.0	1731.3	1691.4	1658.5	1635.0	1599.8	1552.8
10352.6	30°	9182.8	7355.1	3032.7	1834.7	1660.8	1620.9	1583.3	1548.1	1496.4	1437.7
11435.6	32.5°	9950.9	7669.9	2823.7	1766.5	1597.4	1555.1	1510.5	1468.2	1411.8	1353.1
12652.4	35°	10867.1	8050.5	2701.5	1719.6	1548.1	1491.7	1442.4	1395.4	1353.1	1301.4
13975.0	37.5°	11860.8	8454.5	2663.9	1696.1	1515.2	1428.3	1371.9	1339.0	1334.3	1303.8
15405.6	40°	12948.4	8933.8	2692.1	1682.0	1480.0	1367.2	1306.1	1299.1	1310.8	1256.8
16934.9	42.5°	14099.5	9502.2	2739.1	1665.5	1430.6	1306.1	1247.4	1247.4	1238.0	1162.8
18551.1	45°	15344.5	10157.7	2786.1	1625.6	1371.9	1245.0	1200.4	1184.0	1144.0	1071.2
20176.7	47.5°	16599.0	10824.8	2821.3	1552.8	1301.4	1193.4	1153.4	1115.8	1057.1	991.3
21771.8	50°	17790.0	11423.8	2783.7	1444.7	1221.5	1144.0	1101.7	1050.1	986.6	942.0
23282.3	52.5°	18854.1	11943.0	2624.0	1317.9	1137.0	1092.3	1054.8	1000.7	949.0	902.1
24644.8	55°	19779.7	12363.5	2342.1	1198.1	1061.8	1047.7	1010.1	942.0	871.5	831.6
25995.5	57.5°	20667.7	12683.0	1989.7	1099.4	993.7	998.4	942.0	880.9	815.1	772.9
27816.1	60°	21849.3	13110.5	1632.6	1007.8	920.9	935.0	873.9	829.2	747.0	693.0
30938.1	62.5°	23738.0	13775.3	1296.7	895.0	836.3	841.0	815.1	761.1	662.5	599.0
33252.0	65°	25236.7	13531.0	1021.9	772.9	740.0	747.0	747.0	688.3	582.6	509.8
33376.5	67.5°	25067.6	11585.9	815.1	653.1	648.4	653.1	669.5	620.2	516.8	458.1
30834.7	70°	23092.0	9215.6	653.1	542.6	563.8	552.0	599.0	566.1	465.1	406.4
23904.8	72.5°	18842.4	6638.7	498.0	448.7	432.2	451.0	540.3	509.8	387.6	321.8
12661.8	75°	11010.4	3542.5	371.2	354.7	312.4	375.9	479.2	434.6	296.0	237.3
3880.8	77.5°	3584.8	1235.6	272.5	260.8	232.6	303.0	408.7	366.5	242.0	187.9
1137.0	80°	960.8	373.5	185.6	171.5	150.3	225.5	324.2	291.3	173.8	122.2
488.6	82.5°	385.3	157.4	108.1	96.3	82.2	155.0	256.1	234.9	129.2	77.5
152.7	85°	124.5	51.7	39.9	30.5	37.6	96.3	152.7	159.7	91.6	39.9
23.5	87.5°	16.4	7.0	7.0	9.4	7.0	16.4	47.0	44.6	25.8	4.7
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°
5405.4
4766.4
3857.3
2983.4
2436.1
2236.4
2168.2
2090.7
1982.7
1844.1
1693.7
1548.1
1433.0
1355.4
1296.7
1301.4
1259.1
1162.8
1068.9
989.0
935.0
897.4
826.9
768.2
685.9
594.3
502.7
448.7
399.4
314.8
230.2
180.9
119.8
77.5
30.5
0.0
0.0

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