

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: P850485

Luminaire Tested: **GLAN-SB8A-735-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850485
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-SB8A-735-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3500K, 350mA 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: 25992 lumens
Efficiency: N/A
Efficacy: 114.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

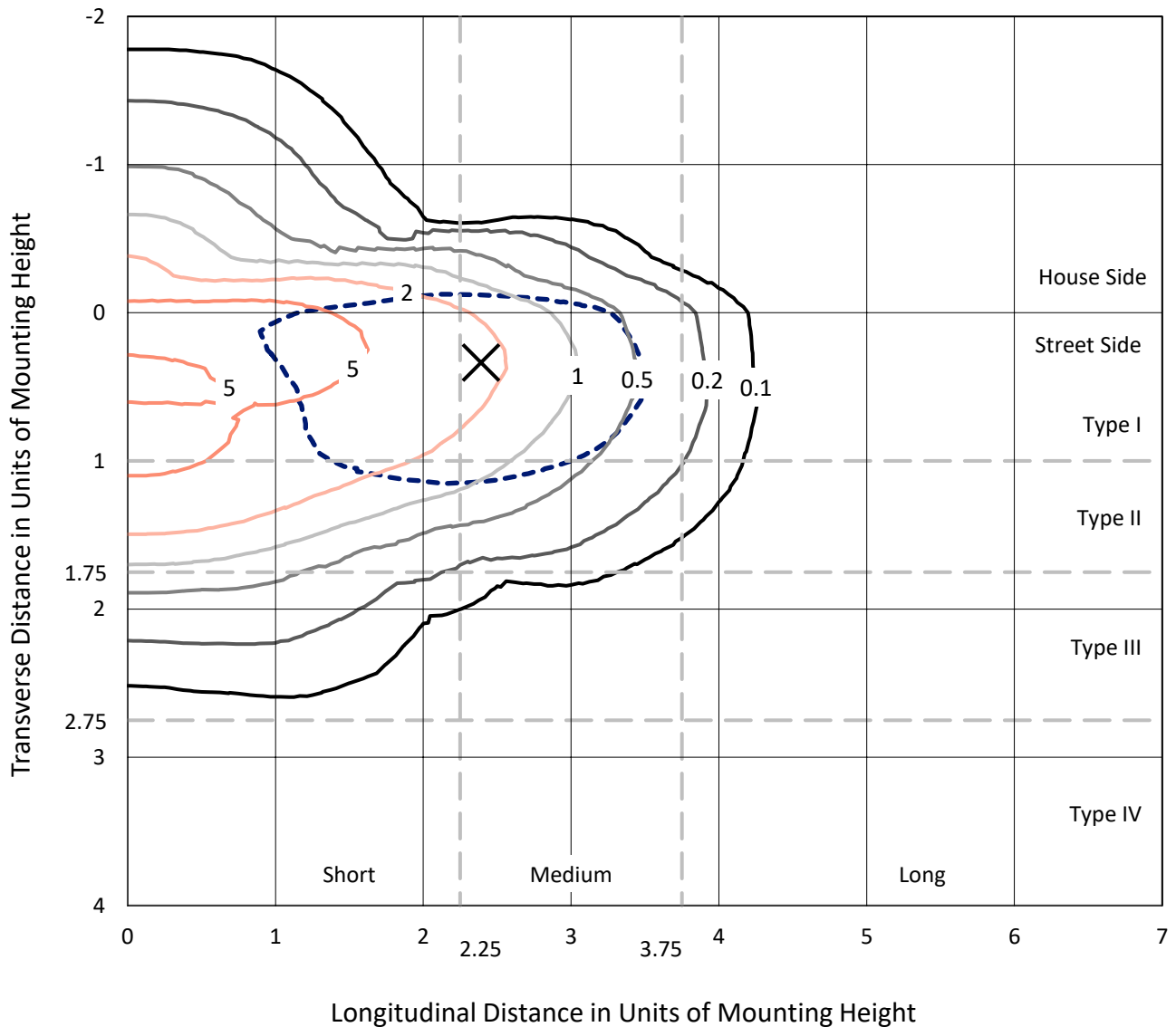
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

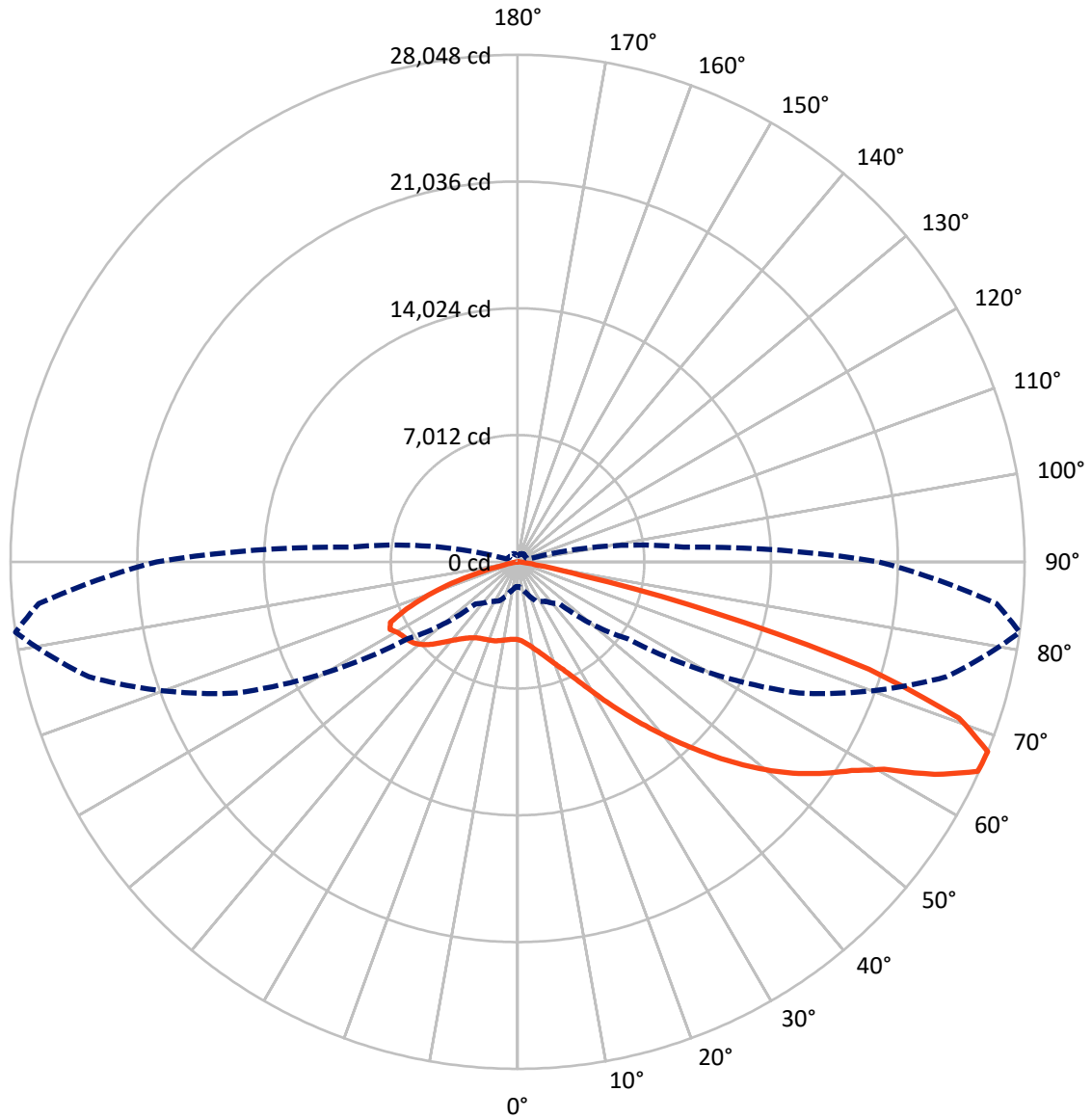
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 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	4708.2	0.0	4708.2
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	21283.8	0.0	21283.8
	% Fixture	81.9	0.0	81.9
Total	Lumens	25992.0	0.0	25992.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	383.6	1.5
10°-20°	996.9	3.8
20°-30°	1596.7	6.1
30°-40°	2823.5	10.9
40°-50°	4947.0	19.0
50°-60°	6598.0	25.4
60°-70°	6142.4	23.6
70°-80°	2357.4	9.1
80°-90°	146.4	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°	25992.0	100.0
0°-180°	25992.0	100.0

Coefficient of Utilization

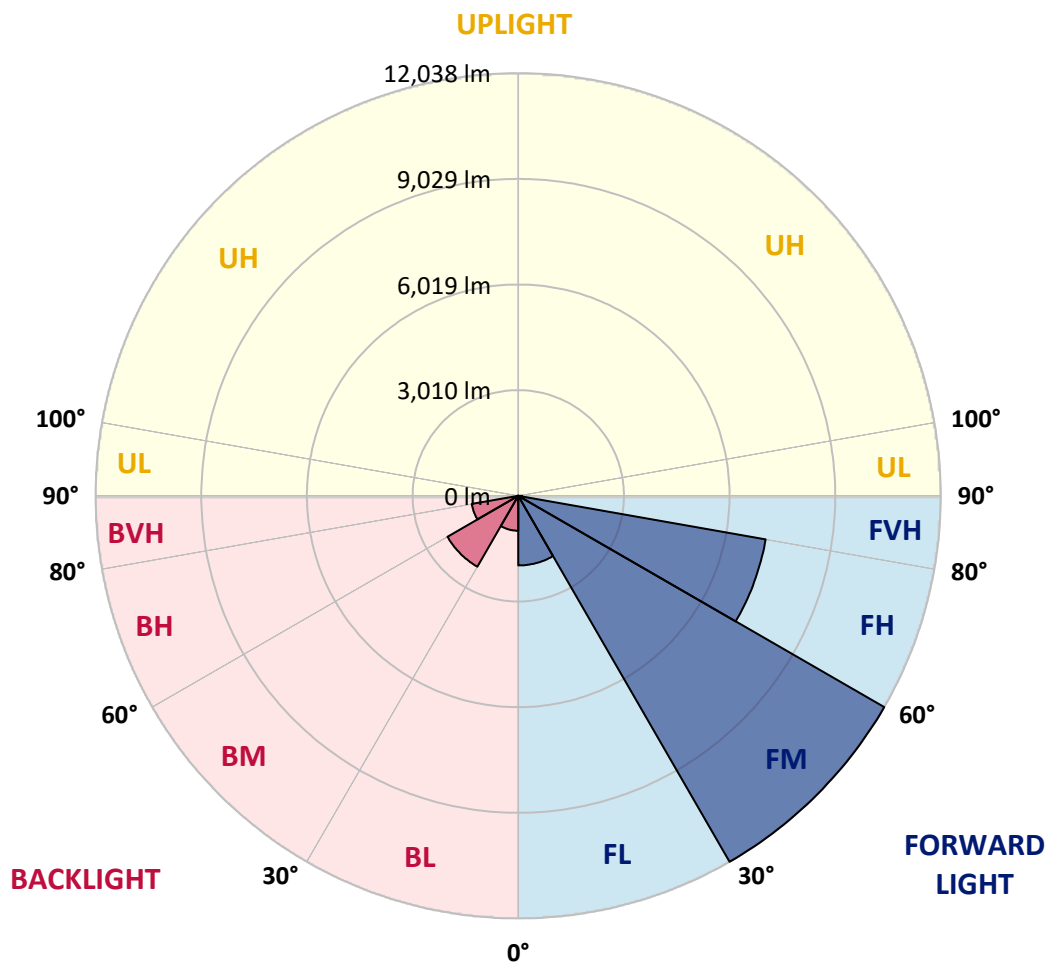


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1982.9	7.6			
FM (30°-60°)	12038.4	46.3			
FH (60°-80°)	7156.0	27.5			G3/7500
FVH (80°-90°)	106.5	0.4			G2/225
BL (0°-30°)	994.4	3.8	B2/1000		
BM (30°-60°)	2330.1	9.0	B2/2500		
BH (60°-80°)	1343.8	5.2	B3/2500		G3/2500
BVH (80°-90°)	40.0	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-G3
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4306.0	4306.0	4306.0	4306.0	4306.0	4306.0	4306.0	4306.0	4306.0	4306.0
2.5°	4551.1	4577.3	4562.4	4554.9	4541.8	4523.1	4508.1	4461.3	4412.7	4380.8
5°	4642.8	4669.0	4667.2	4674.7	4684.0	4689.6	4685.9	4633.5	4564.2	4510.0
7.5°	4564.2	4594.2	4618.5	4655.9	4721.4	4790.7	4824.4	4813.1	4742.0	4667.2
10°	4341.6	4373.4	4431.4	4519.3	4657.8	4807.5	4932.9	4990.9	4946.0	4863.7
12.5°	3933.6	3965.4	4079.6	4270.4	4502.5	4762.6	5002.1	5157.5	5168.7	5086.4
15°	3475.1	3506.9	3628.6	3868.1	4221.8	4639.1	5039.6	5333.4	5432.6	5361.4
17.5°	3190.7	3218.7	3310.4	3503.2	3871.8	4392.1	5026.5	5520.5	5746.9	5690.8
20°	3104.6	3128.9	3172.0	3306.7	3613.6	4135.7	4940.4	5696.4	6085.7	6053.8
22.5°	3196.3	3218.7	3231.8	3291.7	3484.5	3967.3	4831.8	5876.1	6478.6	6482.4
25°	3407.7	3430.2	3415.2	3452.7	3536.9	3914.9	4790.7	6087.5	6972.7	7013.8
27.5°	3755.8	3757.7	3722.1	3720.3	3733.4	3993.5	4833.7	6314.0	7595.8	7672.6
30°	4453.8	4425.8	4289.2	4141.3	4073.9	4229.3	4953.5	6581.6	8331.3	8467.9
32.5°	5529.9	5488.7	5237.9	4884.2	4528.7	4609.2	5168.7	6886.6	9132.2	9379.2
35°	6697.6	6686.4	6424.4	5898.5	5277.2	5150.0	5518.6	7287.1	10006.2	10399.1
37.5°	7783.0	7777.4	7627.7	7008.2	6252.2	5904.1	6080.0	7811.0	10941.8	11510.7
40°	8774.8	8791.6	8641.9	8088.0	7326.4	6871.6	6843.6	8458.5	11982.3	12721.5
42.5°	9631.9	9650.6	9499.0	9089.2	8387.4	7942.0	7781.1	9252.0	12998.5	14022.1
45°	10213.9	10329.9	10307.4	9980.0	9476.6	9014.3	8907.7	10247.6	14156.8	15401.3
47.5°	10378.6	10485.2	10653.6	10698.6	10391.7	9936.9	10064.2	11447.1	15328.3	16782.3
50°	9972.5	10071.6	10421.6	10887.6	11100.9	10960.5	11188.8	12732.7	16527.8	18159.7
52.5°	9171.5	9272.6	9714.2	10451.5	11321.7	11763.4	12317.3	13999.6	17689.9	19464.0
55°	8013.2	8119.8	8686.8	9521.5	10900.7	12094.6	13258.6	15264.7	18754.8	20637.3
57.5°	6437.5	6516.1	7105.5	8273.3	9841.5	11765.2	13952.8	16645.7	19757.8	21790.1
60°	4195.6	4264.8	4949.7	6252.2	8086.1	10664.9	14091.3	18185.9	21090.2	23289.1
62.5°	2790.2	2837.0	3243.1	4199.3	5694.5	8552.1	13281.0	19415.3	23043.9	25897.7
65°	1914.4	1961.2	2367.3	3033.5	3679.1	5657.1	10951.2	19252.5	24814.2	27969.3
67.5°	1366.1	1405.4	1749.7	2378.5	2662.9	3286.1	7423.7	17171.6	24559.7	28047.9
70°	978.7	1001.2	1285.6	1852.6	2116.5	1974.3	4128.2	13133.2	21503.8	25899.6
72.5°	684.9	692.4	892.6	1411.0	1704.8	1440.9	1964.9	8756.1	16264.0	20328.6
75°	464.1	473.5	600.7	1034.9	1368.0	1100.4	1040.5	4695.2	9547.7	11252.5
77.5°	284.4	288.2	387.4	707.4	1023.6	838.4	669.9	1989.3	3694.1	3626.7
80°	160.9	160.9	247.0	439.8	698.0	540.8	469.7	845.9	1169.6	1027.4
82.5°	89.8	91.7	179.7	273.2	462.2	320.0	258.2	391.1	505.3	447.3
85°	37.4	41.2	110.4	129.1	220.8	159.1	104.8	164.7	187.1	166.6
87.5°	3.7	5.6	33.7	24.3	26.2	31.8	15.0	31.8	26.2	26.2
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°
4306.0	0°	4306.0	4306.0	4306.0	4306.0	4306.0	4306.0	4306.0	4306.0	4306.0	4306.0
4369.6	2.5°	4334.1	4306.0	4234.9	4152.5	4044.0	3991.6	3920.5	3871.8	3830.7	3834.4
4478.2	5°	4418.3	4347.2	4188.1	3989.7	3742.7	3566.8	3379.7	3250.5	3145.8	3123.3
4627.9	7.5°	4534.3	4422.0	4143.2	3785.8	3368.4	3052.2	2769.6	2588.1	2459.0	2417.8
4809.4	10°	4684.0	4521.2	4085.2	3529.4	2928.7	2526.3	2223.2	2081.0	1993.0	1963.1
5022.7	12.5°	4858.0	4635.4	4008.4	3216.9	2475.8	2088.4	1895.7	1824.6	1796.5	1787.1
5284.7	15°	5077.0	4777.6	3892.4	2846.3	2092.2	1820.8	1738.5	1729.1	1732.9	1729.1
5599.1	17.5°	5337.1	4932.9	3703.4	2464.6	1833.9	1684.2	1654.3	1661.8	1671.1	1669.3
5950.9	20°	5621.6	5086.4	3462.0	2125.9	1658.0	1586.9	1570.1	1577.6	1585.0	1581.3
6357.0	22.5°	5945.3	5251.0	3194.4	1862.0	1540.1	1497.1	1478.4	1480.2	1480.2	1472.8
6871.6	25°	6332.7	5432.6	2913.7	1674.9	1450.3	1416.6	1394.2	1386.7	1375.4	1353.0
7496.7	27.5°	6794.9	5625.3	2644.2	1543.9	1379.2	1347.4	1321.2	1302.5	1274.4	1237.0
8247.1	30°	7315.1	5859.2	2415.9	1461.5	1323.1	1291.2	1261.3	1233.2	1192.1	1145.3
9109.8	32.5°	7927.1	6110.0	2249.4	1407.3	1272.5	1238.8	1203.3	1169.6	1124.7	1077.9
10079.1	35°	8656.9	6413.1	2152.1	1369.8	1233.2	1188.3	1149.0	1111.6	1077.9	1036.7
11132.7	37.5°	9448.5	6735.0	2122.1	1351.1	1207.0	1137.8	1092.9	1066.7	1062.9	1038.6
12272.4	40°	10314.9	7116.8	2144.6	1339.9	1179.0	1089.1	1040.5	1034.9	1044.2	1001.2
13490.6	42.5°	11231.9	7569.6	2182.0	1326.8	1139.7	1040.5	993.7	993.7	986.2	926.3
14778.1	45°	12223.7	8091.8	2219.4	1295.0	1092.9	991.8	956.3	943.2	911.4	853.3
16073.1	47.5°	13223.0	8623.2	2247.5	1237.0	1036.7	950.6	918.8	888.9	842.1	789.7
17343.7	50°	14171.8	9100.4	2217.6	1150.9	973.1	911.4	877.7	836.5	786.0	750.4
18547.0	52.5°	15019.5	9514.0	2090.3	1049.8	905.7	870.2	840.2	797.2	756.0	718.6
19632.4	55°	15756.8	9849.0	1865.7	954.4	845.9	834.6	804.7	750.4	694.3	662.5
20708.4	57.5°	16464.2	10103.5	1585.0	875.8	791.6	795.3	750.4	701.8	649.4	615.7
22158.8	60°	17405.5	10444.0	1300.6	802.8	733.6	744.8	696.1	660.6	595.1	552.1
24645.8	62.5°	18910.1	10973.6	1033.0	713.0	666.2	669.9	649.4	606.3	527.7	477.2
26489.1	65°	20104.0	10779.0	814.0	615.7	589.5	595.1	595.1	548.3	464.1	406.1
26588.3	67.5°	19969.3	9229.5	649.4	520.2	516.5	520.2	533.3	494.0	411.7	364.9
24563.4	70°	18395.4	7341.3	520.2	432.3	449.1	439.8	477.2	451.0	370.5	323.7
19042.9	72.5°	15010.2	5288.5	396.7	357.4	344.3	359.3	430.4	406.1	308.8	256.4
10086.6	75°	8771.1	2822.0	295.7	282.6	248.9	299.4	381.8	346.2	235.8	189.0
3091.5	77.5°	2855.7	984.3	217.1	207.7	185.3	241.4	325.6	291.9	192.7	149.7
905.7	80°	765.4	297.5	147.8	136.6	119.8	179.7	258.2	232.0	138.5	97.3
389.2	82.5°	306.9	125.4	86.1	76.7	65.5	123.5	204.0	187.1	102.9	61.8
121.6	85°	99.2	41.2	31.8	24.3	29.9	76.7	121.6	127.3	73.0	31.8
18.7	87.5°	13.1	5.6	5.6	7.5	5.6	13.1	37.4	35.6	20.6	3.7
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°
4306.0
3797.0
3072.8
2376.6
1940.6
1781.5
1727.3
1665.5
1579.4
1469.0
1349.2
1233.2
1141.5
1079.8
1033.0
1036.7
1003.0
926.3
851.5
787.8
744.8
714.9
658.7
611.9
546.4
473.5
400.5
357.4
318.1
250.8
183.4
144.1
95.4
61.8
24.3
0.0
0.0

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