

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: P852950

Luminaire Tested: **GLAN-SB7C-835-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852950
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7C-835-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33389 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

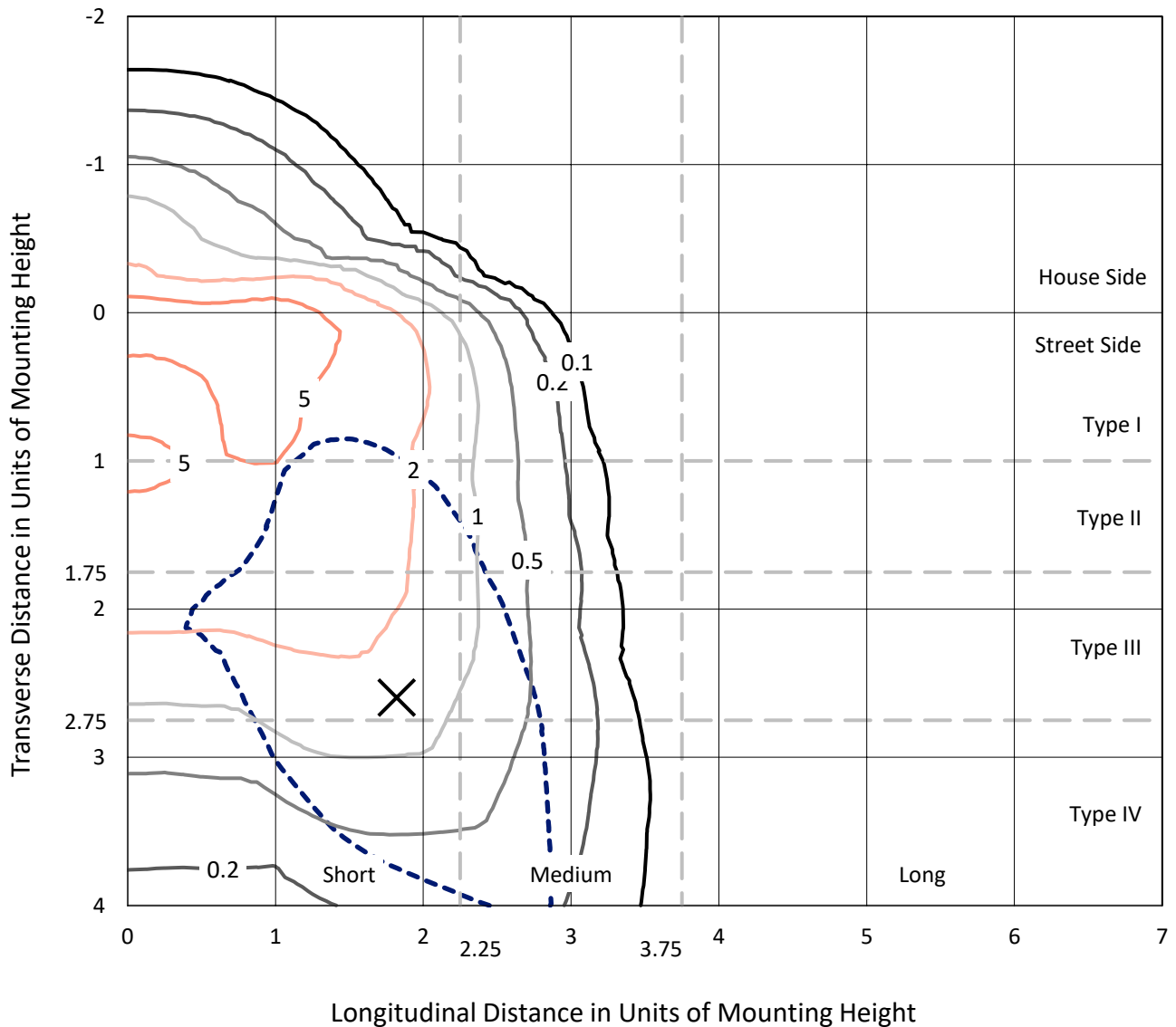
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

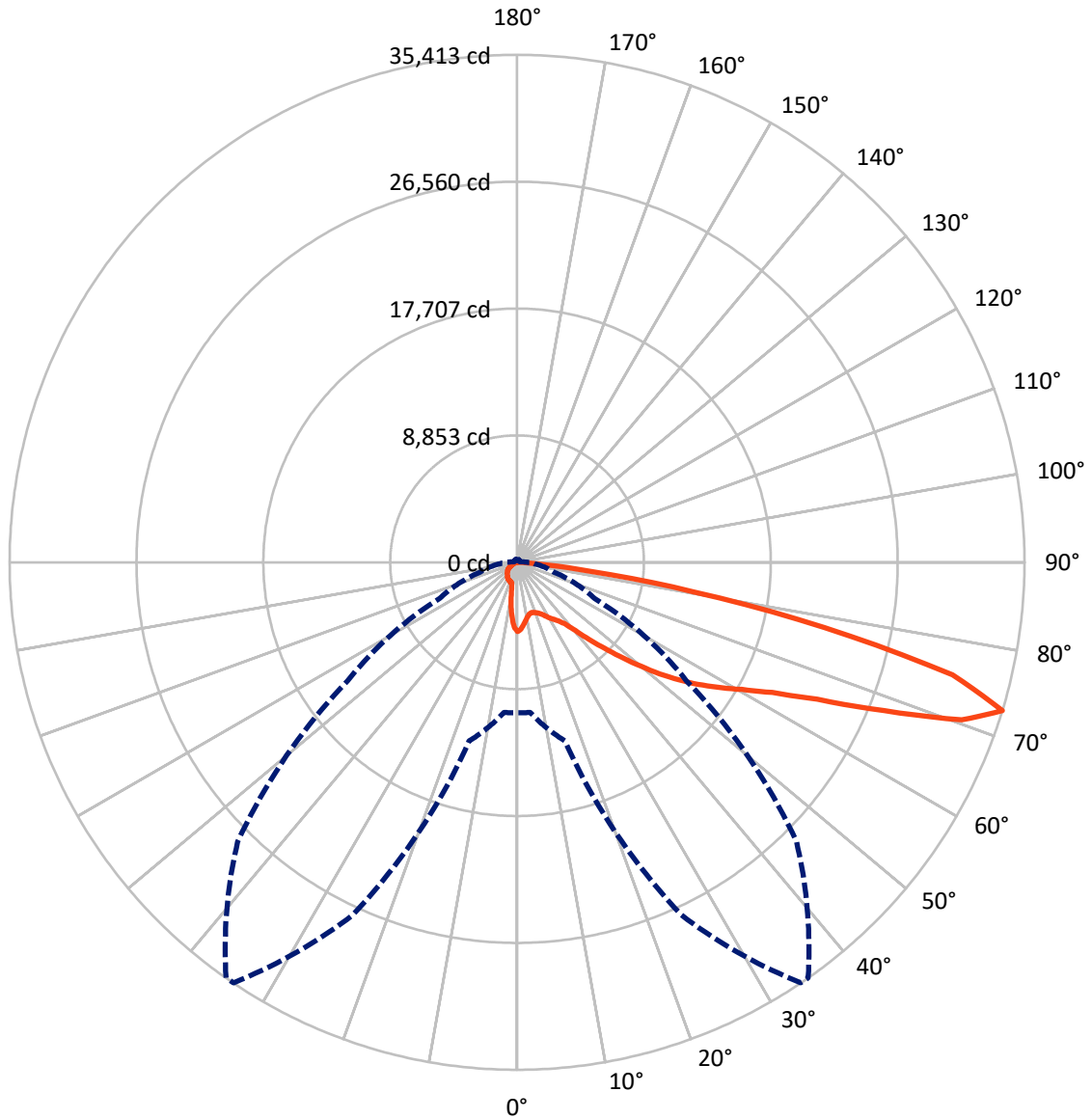
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3757.8	0.0	3757.8
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	29631.2	0.0	29631.2
	% Fixture	88.7	0.0	88.7
Total	Lumens	33389.0	0.0	33389.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	397.7	1.2
10°-20°	930.3	2.8
20°-30°	1511.2	4.5
30°-40°	2521.4	7.6
40°-50°	4770.5	14.3
50°-60°	7580.4	22.7
60°-70°	9377.4	28.1
70°-80°	5829.1	17.5
80°-90°	471.1	1.4
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°	33389.0	100.0
0°-180°	33389.0	100.0

Coefficient of Utilization



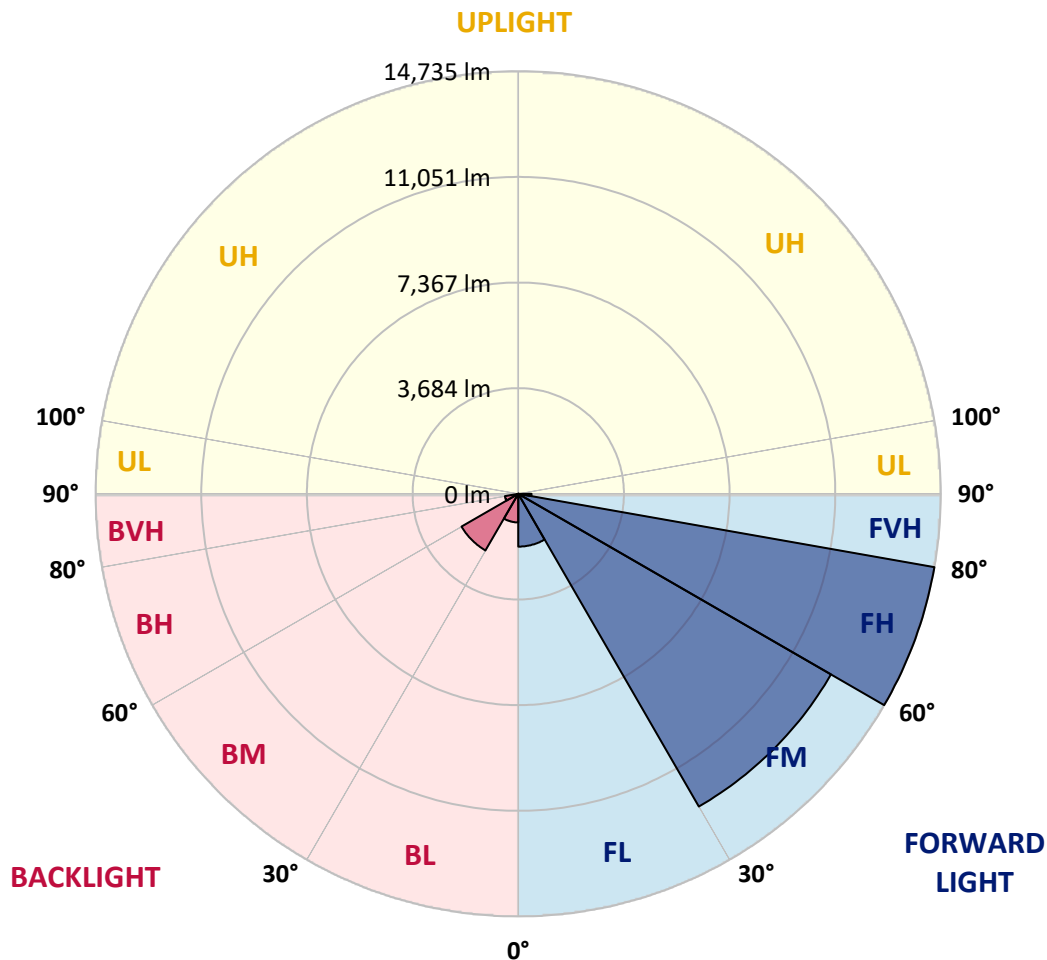
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1840.6	5.5			
FM (30°-60°)	12591.0	37.7			
FH (60°-80°)	14735.0	44.1			G5
FVH (80°-90°)	464.7	1.4			G3/500
BL (0°-30°)	998.5	3.0	B2/1000		
BM (30°-60°)	2281.3	6.8	B2/2500		
BH (60°-80°)	471.5	1.4	B1/500		G1/500
BVH (80°-90°)	6.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	4839.2	4839.2	4839.2	4839.2	4839.2	4839.2	4839.2	4839.2	4839.2	4839.2
2.5°	4623.9	4663.0	4670.4	4682.6	4682.6	4697.3	4721.8	4756.0	4812.3	4841.6
5°	4261.8	4291.2	4327.9	4357.2	4413.5	4420.8	4516.2	4609.2	4738.9	4836.7
7.5°	3897.3	3931.5	3980.5	4051.4	4124.8	4146.8	4291.2	4447.7	4653.3	4836.7
10°	3640.4	3642.8	3686.9	3757.8	3875.3	3902.2	4078.3	4301.0	4557.8	4807.4
12.5°	3496.1	3513.2	3532.8	3586.6	3699.1	3716.2	3904.6	4166.4	4462.4	4790.3
15°	3496.1	3508.3	3520.5	3547.4	3638.0	3652.6	3819.0	4080.8	4413.5	4797.6
17.5°	3532.8	3552.3	3542.5	3574.3	3669.8	3679.5	3826.3	4056.3	4411.0	4844.1
20°	3620.8	3635.5	3615.9	3635.5	3730.9	3750.5	3902.2	4102.8	4452.6	4924.8
22.5°	3760.3	3767.6	3721.1	3735.8	3833.7	3858.1	4034.3	4234.9	4552.9	5054.5
25°	3936.4	3951.1	3880.2	3897.3	3990.2	4019.6	4222.7	4433.1	4712.0	5233.1
27.5°	4139.5	4146.8	4085.7	4083.2	4203.1	4244.7	4450.2	4677.7	4924.8	5458.2
30°	4371.9	4393.9	4335.2	4325.4	4477.1	4511.4	4714.4	4978.6	5238.0	5795.8
32.5°	4555.4	4572.5	4538.3	4562.7	4716.9	4743.8	5034.9	5404.3	5729.7	6275.3
35°	4819.6	4829.4	4751.1	4795.1	4971.3	5039.8	5472.8	6001.3	6348.7	6877.1
37.5°	5776.2	5776.2	5443.5	5225.7	5394.5	5455.7	6072.2	6752.4	7112.0	7684.5
40°	7099.8	7077.7	6590.9	6145.6	6123.6	6243.5	6926.1	7699.1	8097.9	8653.3
42.5°	8511.4	8477.1	7814.1	7373.8	7300.4	7342.0	7912.0	8866.1	9272.3	9834.9
45°	9764.0	9754.2	9147.5	8555.4	8423.3	8555.4	9142.6	10231.3	10522.4	11114.5
47.5°	10813.5	10813.5	10370.7	9984.2	9915.7	9994.0	10808.7	11745.7	11718.8	12477.2
50°	12022.1	12012.3	11591.5	11425.2	11496.1	11606.2	12726.7	13340.8	12956.7	13815.4
52.5°	12868.6	12927.3	12783.0	12756.1	13118.2	13309.0	14674.1	14901.7	14065.0	15085.1
55°	13539.0	13607.5	13773.8	13962.2	14659.5	14909.0	16560.4	16381.8	14992.2	16186.1
57.5°	14488.2	14390.3	14647.2	15019.1	16146.9	16447.8	18387.9	17778.7	15738.4	17079.0
60°	15640.5	15655.2	15699.2	16168.9	17632.0	18018.5	20188.6	19099.9	16217.9	17627.1
62.5°	17025.2	17047.2	17137.8	17859.5	19625.9	19990.4	22106.6	20181.2	16438.1	17472.9
65°	16929.8	17022.8	18033.2	20501.7	22657.1	23016.7	24345.2	20939.6	16105.3	16063.7
67.5°	15422.8	15574.4	17265.0	23657.7	27227.1	27628.4	27051.0	21088.9	14669.2	12491.9
70°	13446.0	13499.8	15532.9	26495.6	32518.9	32925.1	29473.0	19447.3	11131.6	6967.6
72.5°	10500.4	10512.6	12898.0	27153.8	35391.1	35413.2	27572.1	14436.8	5986.6	2676.5
75°	7501.0	7427.6	8638.6	22021.0	31136.7	31386.2	20670.5	6771.9	2287.5	1264.8
77.5°	4022.1	4102.8	4888.1	13059.4	21509.7	21935.4	11278.4	1952.3	1164.5	861.2
80°	1242.8	1311.3	2003.7	5979.3	12183.6	12440.5	4181.1	868.5	812.2	614.1
82.5°	391.4	406.1	934.6	2512.6	5056.9	5174.4	1211.0	491.7	555.4	406.1
85°	112.5	115.0	415.9	937.0	1250.2	1274.6	340.1	190.8	318.0	252.0
87.5°	12.2	39.1	156.6	156.6	110.1	107.6	36.7	41.6	90.5	31.8
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°
4839.2	0°	4839.2	4839.2	4839.2	4839.2	4839.2	4839.2	4839.2	4839.2	4839.2	4839.2
4861.2	2.5°	4849.0	4851.4	4819.6	4765.8	4707.1	4658.1	4597.0	4548.1	4513.8	4504.0
4905.2	5°	4883.2	4866.1	4775.6	4611.7	4415.9	4247.1	4058.8	3909.5	3811.7	3770.1
4951.7	7.5°	4934.6	4885.7	4687.5	4364.6	3990.2	3657.5	3319.9	3058.1	2891.8	2808.6
4995.8	10°	4978.6	4880.8	4540.7	4007.4	3434.9	2930.9	2475.9	2160.3	1984.1	1900.9
5047.1	12.5°	5020.2	4878.3	4349.9	3584.1	2808.6	2192.1	1768.8	1612.2	1563.3	1546.2
5130.3	15°	5098.5	4885.7	4110.1	3099.7	2184.7	1656.3	1502.2	1499.7	1509.5	1504.6
5257.5	17.5°	5206.2	4893.0	3838.6	2586.0	1685.6	1460.6	1453.2	1475.2	1489.9	1482.6
5416.6	20°	5345.6	4922.4	3549.9	2077.1	1448.3	1411.6	1428.8	1448.3	1460.6	1448.3
5629.4	22.5°	5541.3	4973.7	3234.3	1668.5	1372.5	1382.3	1397.0	1419.0	1431.2	1414.1
5901.0	25°	5781.1	5054.5	2923.6	1450.8	1335.8	1348.0	1370.0	1394.5	1409.2	1392.1
6243.5	27.5°	6091.8	5184.1	2637.3	1401.8	1299.1	1306.4	1338.2	1374.9	1394.5	1372.5
6730.3	30°	6542.0	5397.0	2390.2	1423.9	1277.1	1259.9	1304.0	1355.4	1377.4	1357.8
7393.3	32.5°	7138.9	5697.9	2238.6	1458.1	1267.3	1206.1	1247.7	1313.8	1350.5	1338.2
8259.4	35°	7921.8	6155.4	2179.8	1497.3	1259.9	1149.9	1179.2	1250.2	1313.8	1326.0
9350.5	37.5°	8871.0	6791.5	2197.0	1514.4	1237.9	1103.4	1118.1	1179.2	1262.4	1301.5
10578.7	40°	9949.9	7532.8	2294.8	1497.3	1213.5	1064.2	1066.7	1113.2	1186.6	1245.3
11899.8	42.5°	11063.1	8398.8	2475.9	1433.7	1191.4	1030.0	1022.6	1054.4	1103.4	1145.0
13218.5	45°	12122.4	9289.4	2654.5	1345.6	1164.5	995.7	978.6	990.8	1000.6	1017.7
14502.9	47.5°	13047.2	9915.7	2603.1	1264.8	1127.8	956.6	927.2	922.3	893.0	890.5
15650.3	50°	13685.7	10052.7	2311.9	1184.1	1074.0	912.5	866.1	836.7	785.3	760.9
16509.0	52.5°	13888.8	9512.0	1888.7	1103.4	985.9	853.8	787.8	741.3	677.7	655.7
17003.2	55°	13619.7	8452.7	1509.5	1005.5	863.6	775.5	702.1	641.0	589.6	562.7
17057.0	57.5°	12961.6	7104.6	1193.9	890.5	734.0	687.5	614.1	552.9	508.9	482.0
16460.1	60°	11870.4	5641.6	944.4	753.5	626.3	592.1	516.2	477.1	437.9	406.1
14918.8	62.5°	10214.2	4026.9	741.3	596.9	523.6	484.4	440.4	411.0	364.5	320.5
12146.9	65°	7970.7	2463.6	572.5	437.9	420.8	401.2	374.3	347.4	291.1	247.1
7924.2	67.5°	5027.6	1167.0	408.6	330.3	332.7	322.9	310.7	288.7	247.1	208.0
3549.9	70°	2214.1	565.1	269.1	252.0	247.1	247.1	256.9	249.5	210.4	173.7
1233.0	72.5°	753.5	303.4	200.6	190.8	178.6	176.1	215.3	208.0	168.8	134.6
614.1	75°	393.9	203.1	146.8	137.0	107.6	129.7	171.3	161.5	119.9	88.1
406.1	77.5°	256.9	144.3	100.3	88.1	61.2	85.6	127.2	112.5	70.9	44.0
266.7	80°	161.5	95.4	58.7	41.6	29.4	46.5	68.5	48.9	26.9	9.8
156.6	82.5°	85.6	48.9	22.0	14.7	12.2	14.7	17.1	12.2	4.9	0.0
80.7	85°	34.3	17.1	7.3	4.9	2.4	0.0	4.9	2.4	0.0	0.0
14.7	87.5°	12.2	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
4839.2
4521.1
3784.7
2820.8
1903.4
1541.3
1502.2
1480.1
1445.9
1411.6
1389.6
1372.5
1355.4
1338.2
1326.0
1311.3
1264.8
1162.1
1027.5
888.1
763.3
653.2
562.7
477.1
398.8
313.2
239.8
203.1
166.4
127.2
80.7
39.1
7.3
0.0
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