

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: P852904

Luminaire Tested: **GLAN-SB7B-735-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852904
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-SB7B-735-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3500K, 450mA 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: 29754 lumens
Efficiency: N/A
Efficacy: 115.9 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

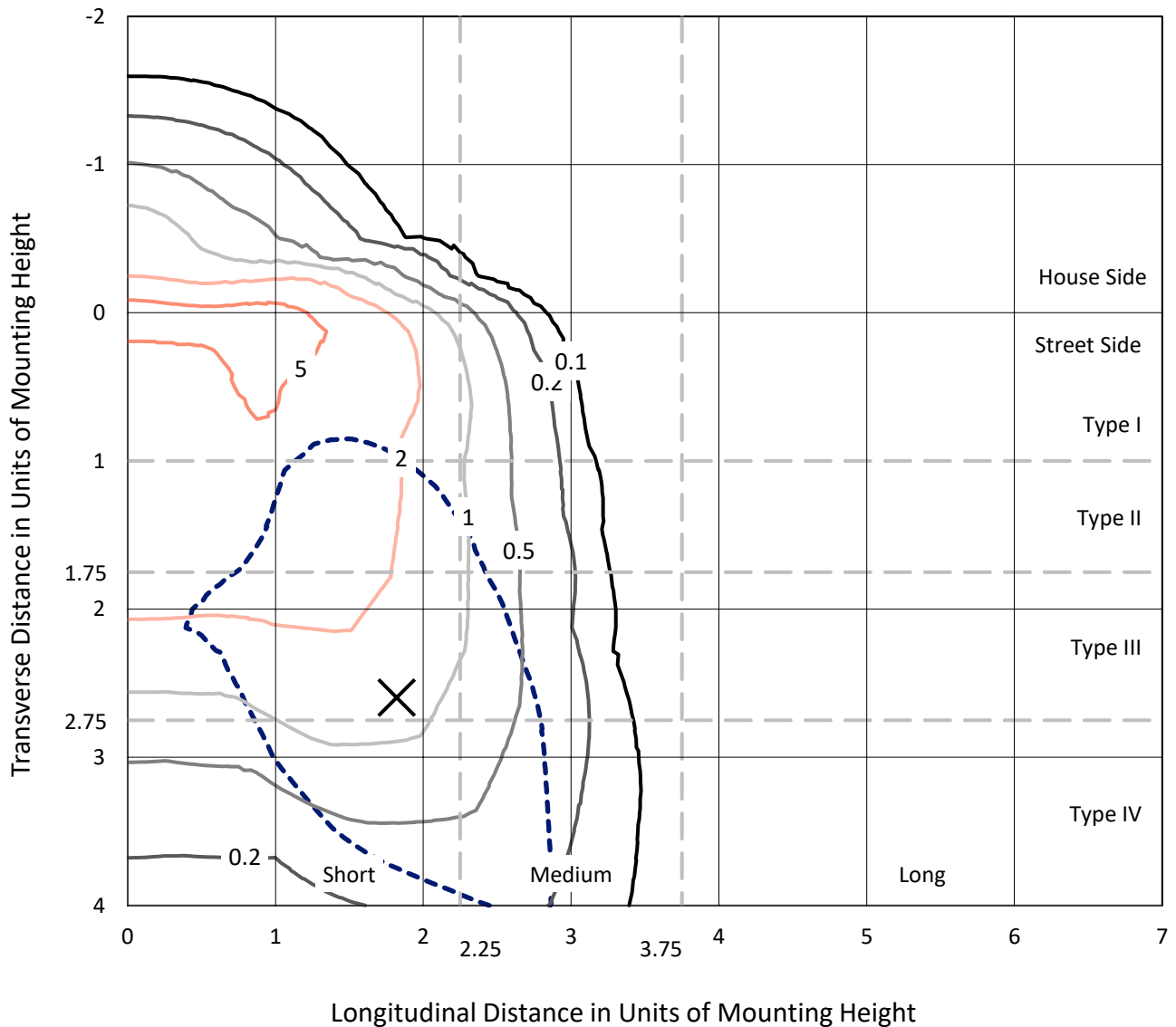
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

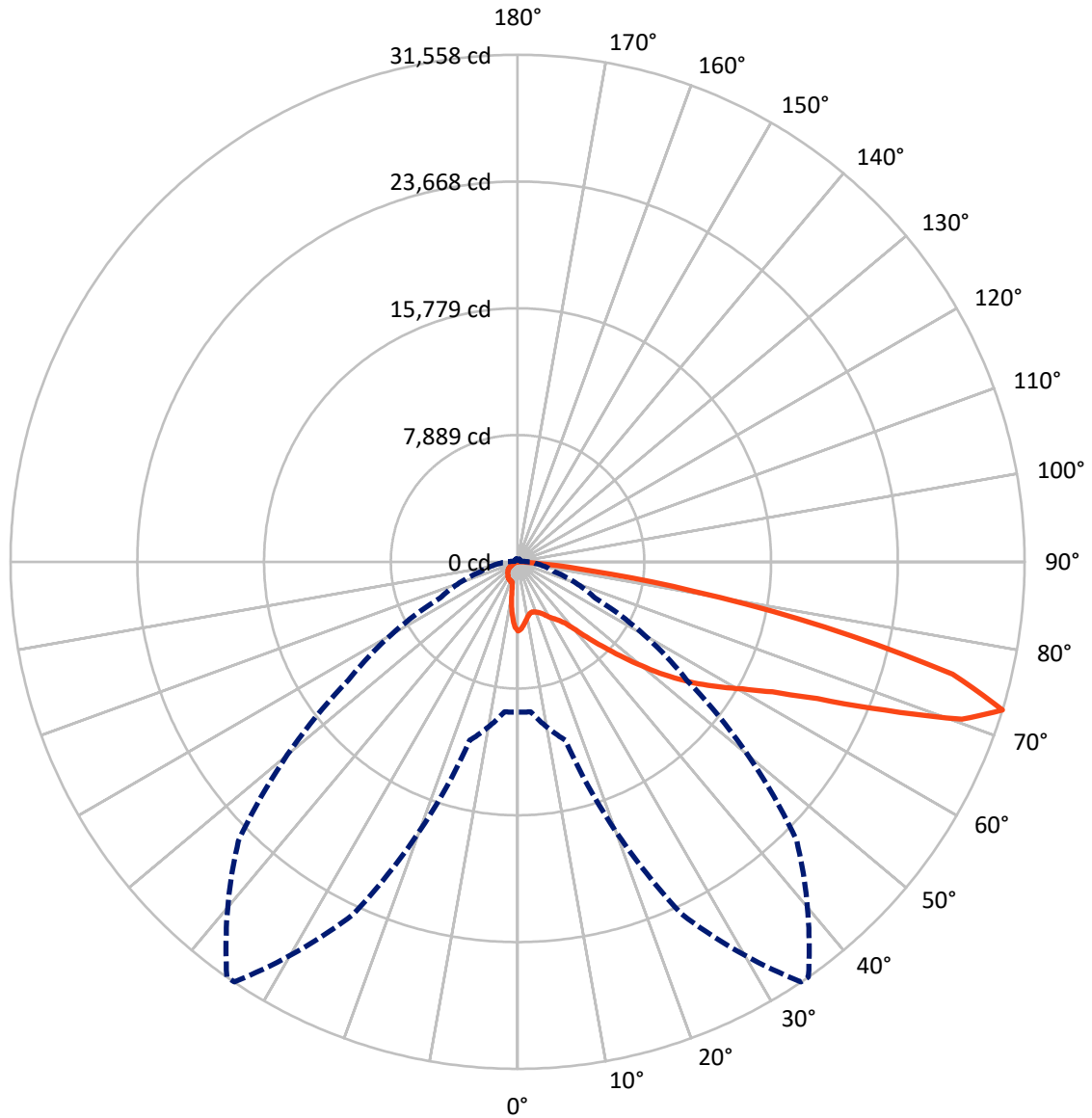
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 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	3348.7	0.0	3348.7
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	26405.3	0.0	26405.3
	% Fixture	88.7	0.0	88.7
Total	Lumens	29754.0	0.0	29754.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.4	1.2
10°-20°	829.0	2.8
20°-30°	1346.7	4.5
30°-40°	2246.9	7.6
40°-50°	4251.2	14.3
50°-60°	6755.1	22.7
60°-70°	8356.5	28.1
70°-80°	5194.5	17.5
80°-90°	419.8	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°	29754.0	100.0
0°-180°	29754.0	100.0

Coefficient of Utilization



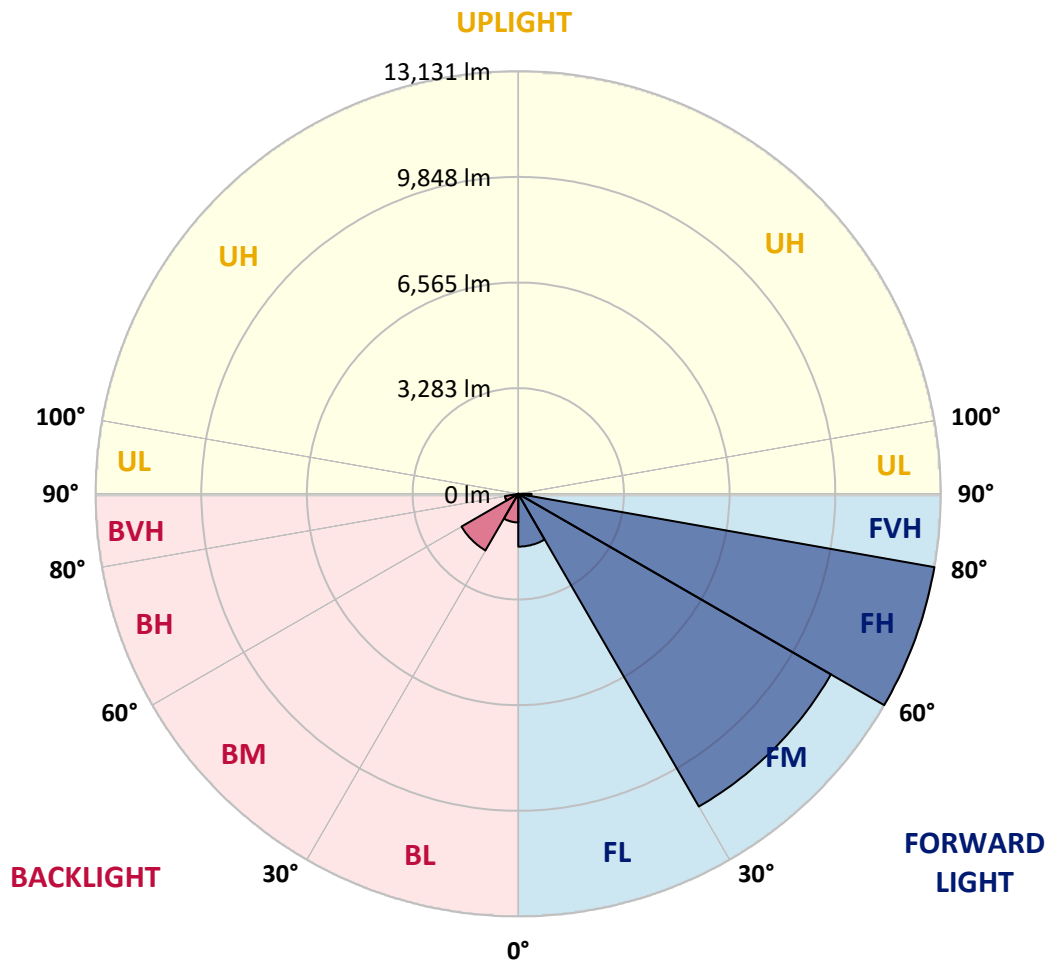
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1640.2	5.5			
FM	(30°-60°)	11220.2	37.7			
FH	(60°-80°)	13130.8	44.1			G5
FVH	(80°-90°)	414.1	1.4			G3/500
BL	(0°-30°)	889.8	3.0	B2/1000		
BM	(30°-60°)	2032.9	6.8	B2/2500		
BH	(60°-80°)	420.2	1.4	B1/500		G1/500
BVH	(80°-90°)	5.7	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°	4312.4	4312.4	4312.4	4312.4	4312.4	4312.4	4312.4	4312.4	4312.4	4312.4
2.5°	4120.5	4155.4	4161.9	4172.8	4172.8	4185.9	4207.7	4238.2	4288.4	4314.5
5°	3797.8	3824.0	3856.7	3882.9	3933.0	3939.5	4024.6	4107.4	4223.0	4310.2
7.5°	3473.0	3503.5	3547.1	3610.3	3675.7	3695.4	3824.0	3963.5	4146.7	4310.2
10°	3244.1	3246.3	3285.5	3348.7	3453.4	3477.4	3634.3	3832.7	4061.6	4284.0
12.5°	3115.4	3130.7	3148.1	3196.1	3296.4	3311.7	3479.5	3712.8	3976.6	4268.7
15°	3115.4	3126.3	3137.2	3161.2	3241.9	3255.0	3403.2	3636.5	3933.0	4275.3
17.5°	3148.1	3165.6	3156.9	3185.2	3270.2	3279.0	3409.8	3614.7	3930.8	4316.7
20°	3226.6	3239.7	3222.3	3239.7	3324.7	3342.2	3477.4	3656.1	3967.9	4388.7
22.5°	3350.9	3357.4	3316.0	3329.1	3416.3	3438.1	3595.1	3773.9	4057.3	4504.2
25°	3507.9	3521.0	3457.7	3473.0	3555.8	3582.0	3763.0	3950.4	4199.0	4663.4
27.5°	3688.8	3695.4	3640.9	3638.7	3745.5	3782.6	3965.7	4168.5	4388.7	4863.9
30°	3895.9	3915.6	3863.2	3854.5	3989.7	4020.2	4201.2	4436.6	4667.7	5164.8
32.5°	4059.5	4074.7	4044.2	4066.0	4203.3	4227.3	4486.8	4816.0	5105.9	5592.1
35°	4294.9	4303.6	4233.9	4273.1	4430.1	4491.1	4877.0	5347.9	5657.5	6128.4
37.5°	5147.4	5147.4	4850.9	4656.8	4807.2	4861.8	5411.2	6017.2	6337.7	6847.9
40°	6326.8	6307.2	5873.3	5476.6	5456.9	5563.8	6172.0	6861.0	7216.3	7711.2
42.5°	7584.8	7554.2	6963.4	6571.0	6505.6	6542.7	7050.6	7900.9	8262.8	8764.2
45°	8701.0	8692.3	8151.6	7624.0	7506.3	7624.0	8147.2	9117.4	9376.9	9904.5
47.5°	9636.3	9636.3	9241.7	8897.2	8836.2	8905.9	9631.9	10466.9	10443.0	11118.8
50°	10713.3	10704.6	10329.6	10181.3	10244.6	10342.7	11341.2	11888.4	11546.1	12311.4
52.5°	11467.6	11520.0	11391.3	11367.3	11690.0	11860.1	13076.6	13279.3	12533.7	13442.9
55°	12065.0	12126.0	12274.3	12442.2	13063.5	13285.9	14757.5	14598.3	13360.0	14423.9
57.5°	12910.9	12823.7	13052.6	13384.0	14389.0	14657.2	16386.1	15843.2	14025.0	15219.7
60°	13937.7	13950.8	13990.1	14408.7	15712.4	16056.9	17990.7	17020.5	14452.3	15708.0
62.5°	15171.7	15191.3	15272.0	15915.2	17489.2	17814.1	19699.9	17984.1	14648.5	15570.7
65°	15086.7	15169.5	16069.9	18269.7	20190.4	20510.9	21694.8	18660.0	14352.0	14314.9
67.5°	13743.7	13878.9	15385.4	21082.1	24263.0	24620.5	24106.0	18793.0	13072.2	11131.9
70°	11982.1	12030.1	13841.8	23611.1	28978.7	29340.6	26264.4	17330.1	9919.7	6209.1
72.5°	9357.2	9368.1	11493.8	24197.6	31538.2	31557.8	24570.4	12865.1	5334.8	2385.1
75°	6684.4	6619.0	7698.1	19623.6	27746.9	27969.2	18420.2	6034.7	2038.4	1127.1
77.5°	3584.2	3656.1	4356.0	11637.7	19167.9	19547.3	10050.5	1739.8	1037.8	767.4
80°	1107.5	1168.6	1785.5	5328.3	10857.2	11086.1	3725.9	774.0	723.8	547.2
82.5°	348.8	361.9	832.8	2239.0	4506.4	4611.0	1079.2	438.2	494.9	361.9
85°	100.3	102.5	370.6	835.0	1114.1	1135.9	303.0	170.1	283.4	224.6
87.5°	10.9	34.9	139.5	139.5	98.1	95.9	32.7	37.1	80.7	28.3
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°
4312.4	0°	4312.4	4312.4	4312.4	4312.4	4312.4	4312.4	4312.4	4312.4	4312.4	4312.4
4332.0	2.5°	4321.1	4323.3	4294.9	4246.9	4194.6	4151.0	4096.5	4052.9	4022.4	4013.7
4371.2	5°	4351.6	4336.3	4255.7	4109.6	3935.2	3784.8	3616.9	3483.9	3396.7	3359.6
4412.6	7.5°	4397.4	4353.8	4177.2	3889.4	3555.8	3259.3	2958.5	2725.2	2576.9	2502.8
4451.9	10°	4436.6	4349.4	4046.4	3571.1	3060.9	2611.8	2206.3	1925.1	1768.1	1694.0
4497.7	12.5°	4473.7	4347.2	3876.3	3193.9	2502.8	1953.4	1576.3	1436.7	1393.1	1377.9
4571.8	15°	4543.4	4353.8	3662.7	2762.3	1946.9	1476.0	1338.6	1336.4	1345.2	1340.8
4685.2	17.5°	4639.4	4360.3	3420.7	2304.4	1502.1	1301.6	1295.0	1314.6	1327.7	1321.2
4826.9	20°	4763.6	4386.5	3163.4	1851.0	1290.7	1258.0	1273.2	1290.7	1301.6	1290.7
5016.5	22.5°	4938.1	4432.3	2882.2	1486.9	1223.1	1231.8	1244.9	1264.5	1275.4	1260.1
5258.5	25°	5151.7	4504.2	2605.3	1292.8	1190.4	1201.3	1220.9	1242.7	1255.8	1240.5
5563.8	27.5°	5428.6	4619.8	2350.2	1249.2	1157.7	1164.2	1192.5	1225.2	1242.7	1223.1
5997.6	30°	5829.7	4809.4	2130.0	1268.9	1138.0	1122.8	1162.0	1207.8	1227.4	1210.0
6588.4	32.5°	6361.7	5077.6	1994.8	1299.4	1129.3	1074.8	1111.9	1170.7	1203.4	1192.5
7360.2	35°	7059.4	5485.3	1942.5	1334.3	1122.8	1024.7	1050.8	1114.1	1170.7	1181.6
8332.6	37.5°	7905.3	6052.1	1957.8	1349.5	1103.2	983.3	996.3	1050.8	1125.0	1159.8
9427.0	40°	8866.7	6712.7	2045.0	1334.3	1081.4	948.4	950.5	992.0	1057.4	1109.7
10604.3	42.5°	9858.7	7484.5	2206.3	1277.6	1061.7	917.8	911.3	939.6	983.3	1020.3
11779.4	45°	10802.7	8278.1	2365.5	1199.1	1037.8	887.3	872.1	883.0	891.7	906.9
12924.0	47.5°	11626.8	8836.2	2319.7	1127.1	1005.1	852.4	826.3	821.9	795.8	793.6
13946.5	50°	12195.8	8958.3	2060.2	1055.2	957.1	813.2	771.8	745.6	699.8	678.0
14711.7	52.5°	12376.8	8476.5	1683.1	983.3	878.6	760.9	702.0	660.6	603.9	584.3
15152.1	55°	12136.9	7532.4	1345.2	896.0	769.6	691.1	625.7	571.2	525.4	501.4
15200.1	57.5°	11550.5	6331.2	1063.9	793.6	654.0	612.6	547.2	492.7	453.5	429.5
14668.1	60°	10578.1	5027.4	841.5	671.5	558.1	527.6	460.0	425.1	390.2	361.9
13294.6	62.5°	9102.2	3588.5	660.6	532.0	466.6	431.7	392.4	366.3	324.8	285.6
10824.5	65°	7103.0	2195.4	510.2	390.2	375.0	357.5	333.6	309.6	259.4	220.2
7061.5	67.5°	4480.2	1039.9	364.1	294.3	296.5	287.8	276.9	257.3	220.2	185.3
3163.4	70°	1973.0	503.6	239.8	224.6	220.2	220.2	228.9	222.4	187.5	154.8
1098.8	72.5°	671.5	270.3	178.8	170.1	159.2	157.0	191.9	185.3	150.4	119.9
547.2	75°	351.0	181.0	130.8	122.1	95.9	115.5	152.6	143.9	106.8	78.5
361.9	77.5°	228.9	128.6	89.4	78.5	54.5	76.3	113.4	100.3	63.2	39.2
237.6	80°	143.9	85.0	52.3	37.1	26.2	41.4	61.0	43.6	24.0	8.7
139.5	82.5°	76.3	43.6	19.6	13.1	10.9	13.1	15.3	10.9	4.4	0.0
71.9	85°	30.5	15.3	6.5	4.4	2.2	0.0	4.4	2.2	0.0	0.0
13.1	87.5°	10.9	2.2	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°
4312.4
4028.9
3372.7
2513.7
1696.2
1373.5
1338.6
1319.0
1288.5
1258.0
1238.3
1223.1
1207.8
1192.5
1181.6
1168.6
1127.1
1035.6
915.7
791.4
680.2
582.1
501.4
425.1
355.4
279.1
213.7
181.0
148.3
113.4
71.9
34.9
6.5
0.0
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