

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: P852564

Luminaire Tested: **GLAN-SB4D-735-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852564
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-SB4D-735-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3500K, 900mA 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: 30302 lumens
Efficiency: N/A
Efficacy: 103.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

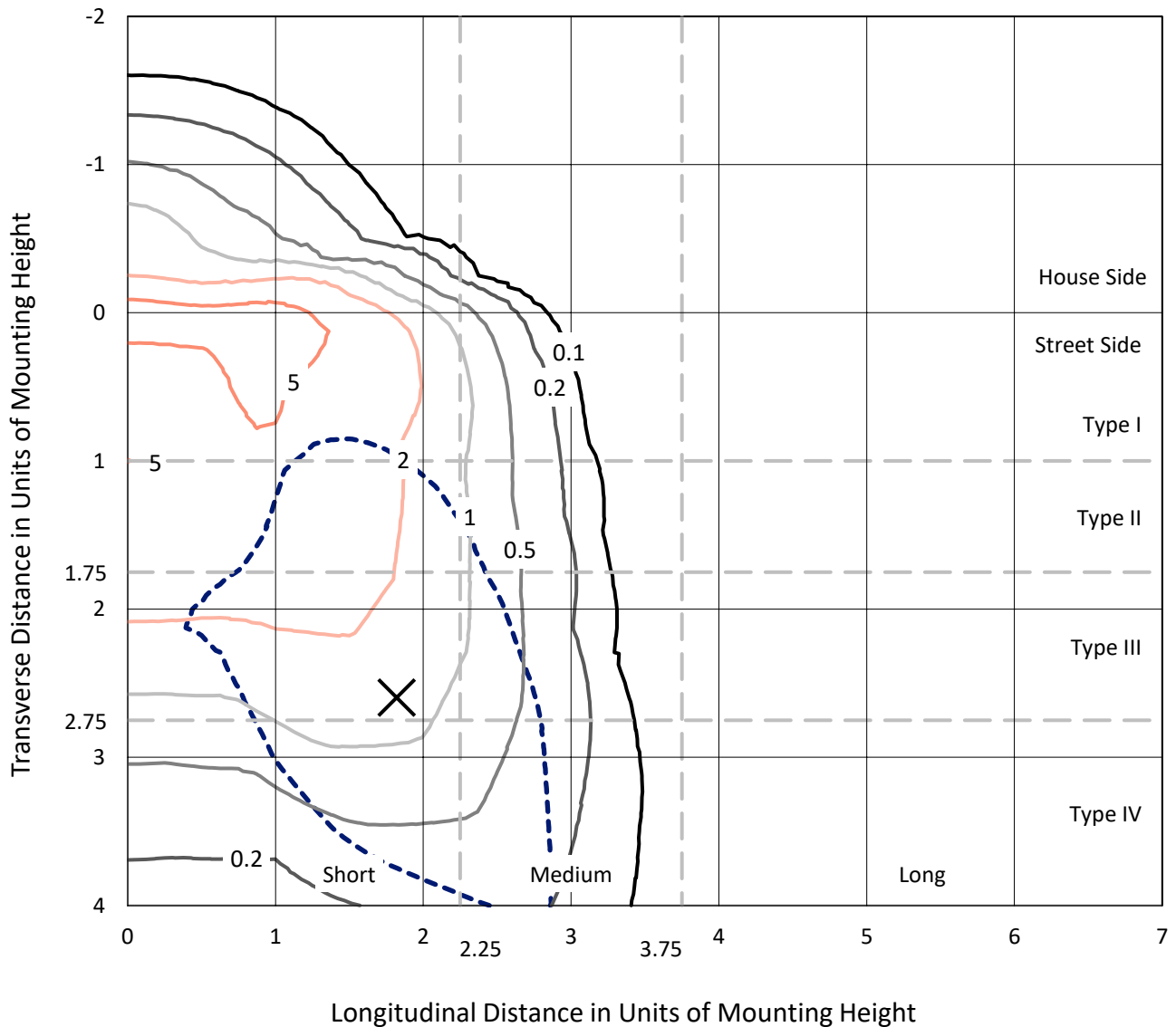
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

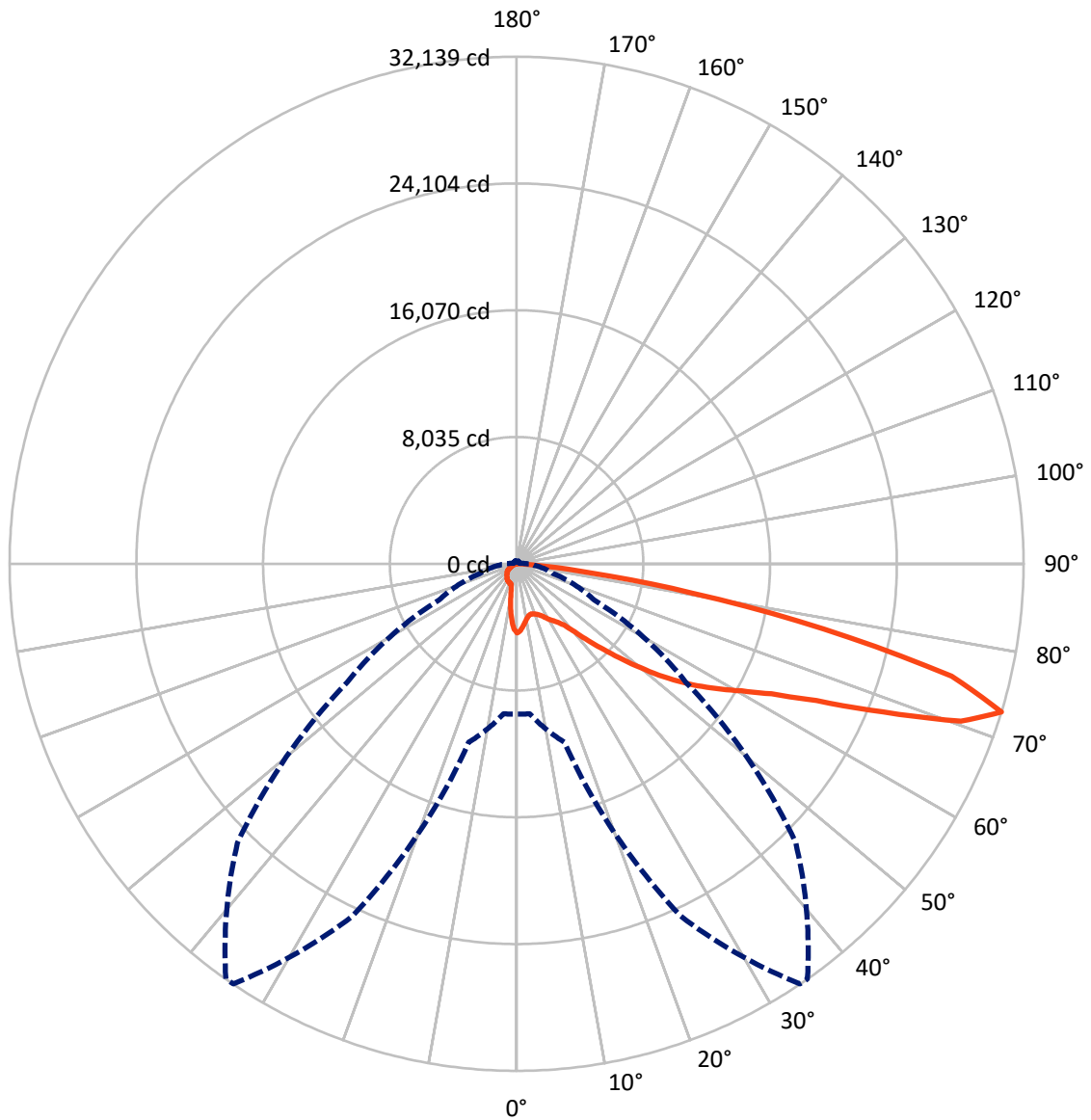
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 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	3410.3	0.0	3410.3
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	26891.7	0.0	26891.7
	% Fixture	88.7	0.0	88.7
Total	Lumens	30302.0	0.0	30302.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	360.9	1.2
10°-20°	844.3	2.8
20°-30°	1371.5	4.5
30°-40°	2288.3	7.6
40°-50°	4329.5	14.3
50°-60°	6879.5	22.7
60°-70°	8510.4	28.1
70°-80°	5290.1	17.5
80°-90°	427.5	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°	30302.0	100.0
0°-180°	30302.0	100.0

Coefficient of Utilization



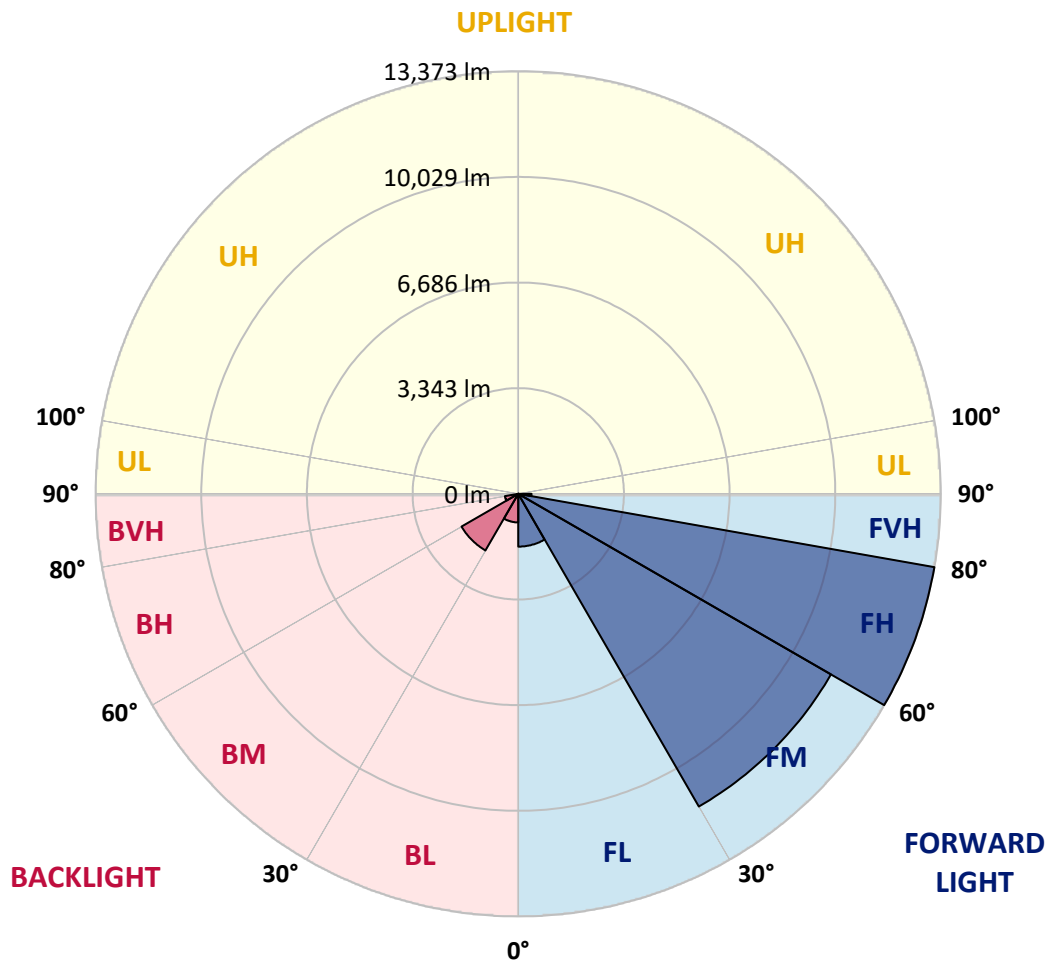
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1670.4	5.5			
FM	(30°-60°)	11426.9	37.7			
FH	(60°-80°)	13372.6	44.1			G5
FVH	(80°-90°)	421.7	1.4			G3/500
BL	(0°-30°)	906.2	3.0	B2/1000		
BM	(30°-60°)	2070.4	6.8	B2/2500		
BH	(60°-80°)	427.9	1.4	B1/500		G1/500
BVH	(80°-90°)	5.8	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°	4391.8	4391.8	4391.8	4391.8	4391.8	4391.8	4391.8	4391.8	4391.8	4391.8
2.5°	4196.4	4231.9	4238.6	4249.7	4249.7	4263.0	4285.2	4316.3	4367.4	4394.0
5°	3867.8	3894.4	3927.7	3954.4	4005.4	4012.1	4098.7	4183.1	4300.7	4389.6
7.5°	3537.0	3568.0	3612.4	3676.8	3743.4	3763.4	3894.4	4036.5	4223.0	4389.6
10°	3303.8	3306.0	3346.0	3410.4	3517.0	3541.4	3701.3	3903.3	4136.4	4362.9
12.5°	3172.8	3188.4	3206.1	3255.0	3357.1	3372.7	3543.6	3781.2	4049.8	4347.4
15°	3172.8	3183.9	3195.0	3219.5	3301.6	3314.9	3465.9	3703.5	4005.4	4354.0
17.5°	3206.1	3223.9	3215.0	3243.9	3330.5	3339.3	3472.6	3681.3	4003.2	4396.2
20°	3286.1	3299.4	3281.6	3299.4	3386.0	3403.7	3541.4	3723.5	4041.0	4469.5
22.5°	3412.6	3419.3	3377.1	3390.4	3479.2	3501.4	3661.3	3843.4	4132.0	4587.2
25°	3572.5	3585.8	3521.4	3537.0	3621.3	3648.0	3832.3	4023.2	4276.3	4749.2
27.5°	3756.8	3763.4	3707.9	3705.7	3814.5	3852.2	4038.7	4245.2	4469.5	4953.5
30°	3967.7	3987.7	3934.4	3925.5	4063.2	4094.3	4278.5	4518.3	4753.7	5259.9
32.5°	4134.2	4149.8	4118.7	4140.9	4280.8	4305.2	4569.4	4904.7	5200.0	5695.1
35°	4374.0	4382.9	4311.8	4351.8	4511.7	4573.8	4966.8	5446.4	5761.7	6241.3
37.5°	5242.2	5242.2	4940.2	4742.6	4895.8	4951.3	5510.8	6128.1	6454.4	6974.0
40°	6443.3	6423.4	5981.5	5577.4	5557.4	5666.2	6285.7	6987.3	7349.2	7853.2
42.5°	7724.5	7693.4	7091.7	6692.0	6625.4	6663.2	7180.5	8046.4	8415.0	8925.7
45°	8861.3	8852.4	8301.7	7764.4	7644.5	7764.4	8297.3	9285.3	9549.6	10086.9
47.5°	9813.8	9813.8	9411.9	9061.1	8998.9	9070.0	9809.3	10659.7	10635.3	11323.6
50°	10910.6	10901.7	10519.8	10368.9	10433.2	10533.2	11550.1	12107.4	11758.8	12538.1
52.5°	11678.8	11732.1	11601.1	11576.7	11905.3	12078.5	13317.4	13523.9	12764.6	13690.4
55°	12287.2	12349.4	12500.4	12671.3	13304.1	13530.6	15029.3	14867.2	13606.1	14689.6
57.5°	13148.7	13059.9	13293.0	13630.5	14654.1	14927.2	16687.9	16135.0	14283.3	15500.0
60°	14194.5	14207.8	14247.7	14674.0	16001.8	16352.6	18322.0	17334.0	14718.4	15997.3
62.5°	15451.1	15471.1	15553.3	16208.3	17811.3	18142.2	20062.7	18315.3	14918.3	15857.5
65°	15364.6	15448.9	16365.9	18606.2	20562.3	20888.7	22094.3	19003.6	14616.3	14578.6
67.5°	13996.8	14134.5	15668.7	21470.4	24709.8	25074.0	24550.0	19139.1	13313.0	11336.9
70°	12202.8	12251.7	14096.8	24046.0	29512.4	29880.9	26748.1	17649.3	10102.4	6323.4
72.5°	9529.6	9540.7	11705.5	24643.2	32119.0	32139.0	25022.9	13102.1	5433.1	2429.0
75°	6807.5	6740.9	7839.9	19985.0	28257.9	28484.4	18759.4	6145.8	2076.0	1147.9
77.5°	3650.2	3723.5	4436.2	11852.0	19521.0	19907.3	10235.6	1771.8	1056.9	781.5
80°	1127.9	1190.1	1818.4	5426.4	11057.2	11290.3	3794.5	788.2	737.1	557.3
82.5°	355.2	368.6	848.2	2280.3	4589.4	4696.0	1099.1	446.3	504.0	368.6
85°	102.1	104.4	377.5	850.4	1134.6	1156.8	308.6	173.2	288.6	228.7
87.5°	11.1	35.5	142.1	142.1	99.9	97.7	33.3	37.7	82.2	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°
4391.8	0°	4391.8	4391.8	4391.8	4391.8	4391.8	4391.8	4391.8	4391.8	4391.8	4391.8
4411.8	2.5°	4400.7	4402.9	4374.0	4325.2	4271.9	4227.5	4172.0	4127.6	4096.5	4087.6
4451.7	5°	4431.7	4416.2	4334.0	4185.3	4007.7	3854.5	3683.5	3548.1	3459.2	3421.5
4493.9	7.5°	4478.4	4434.0	4254.1	3961.0	3621.3	3319.4	3013.0	2775.4	2624.4	2548.9
4533.9	10°	4518.3	4429.5	4120.9	3636.9	3117.3	2659.9	2247.0	1960.5	1800.7	1725.2
4580.5	12.5°	4556.1	4427.3	3947.7	3252.8	2548.9	1989.4	1605.3	1463.2	1418.8	1403.2
4656.0	15°	4627.1	4434.0	3730.1	2813.1	1982.7	1503.2	1363.3	1361.1	1369.9	1365.5
4771.4	17.5°	4724.8	4440.6	3483.7	2346.9	1529.8	1325.5	1318.9	1338.8	1352.2	1345.5
4915.8	20°	4851.4	4467.3	3221.7	1885.0	1314.4	1281.1	1296.7	1314.4	1325.5	1314.4
5108.9	22.5°	5029.0	4513.9	2935.3	1514.3	1245.6	1254.5	1267.8	1287.8	1298.9	1283.3
5355.4	25°	5246.6	4587.2	2653.3	1316.6	1212.3	1223.4	1243.4	1265.6	1278.9	1263.4
5666.2	27.5°	5528.6	4704.8	2393.5	1272.2	1179.0	1185.6	1214.5	1247.8	1265.6	1245.6
6108.1	30°	5937.1	4898.0	2169.2	1292.2	1159.0	1143.5	1183.4	1230.1	1250.0	1232.3
6709.8	32.5°	6478.9	5171.1	2031.6	1323.3	1150.1	1094.6	1132.4	1192.3	1225.6	1214.5
7495.8	35°	7189.4	5586.3	1978.3	1358.8	1143.5	1043.5	1070.2	1134.6	1192.3	1203.4
8486.0	37.5°	8050.8	6163.6	1993.8	1374.4	1123.5	1001.4	1014.7	1070.2	1145.7	1181.2
9600.6	40°	9030.0	6836.3	2082.7	1358.8	1101.3	965.8	968.1	1010.2	1076.9	1130.1
10799.6	42.5°	10040.2	7622.3	2247.0	1301.1	1081.3	934.8	928.1	957.0	1001.4	1039.1
11996.3	45°	11001.6	8430.5	2409.0	1221.2	1056.9	903.7	888.1	899.2	908.1	923.6
13162.0	47.5°	11840.9	8998.9	2362.4	1147.9	1023.6	868.1	841.5	837.1	810.4	808.2
14203.3	50°	12420.4	9123.3	2098.2	1074.6	974.7	828.2	786.0	759.3	712.7	690.5
14982.7	52.5°	12604.7	8632.6	1714.1	1001.4	894.8	774.9	714.9	672.8	615.0	595.0
15431.2	55°	12360.5	7671.2	1369.9	912.5	783.8	703.8	637.2	581.7	535.1	510.7
15480.0	57.5°	11763.2	6447.8	1083.5	808.2	666.1	623.9	557.3	501.8	461.8	437.4
14938.3	60°	10773.0	5120.0	857.0	683.9	568.4	537.3	468.5	433.0	397.4	368.6
13539.5	62.5°	9269.8	3654.6	672.8	541.8	475.1	439.6	399.7	373.0	330.8	290.9
11023.8	65°	7233.8	2235.9	519.6	397.4	381.9	364.1	339.7	315.3	264.2	224.3
7191.6	67.5°	4562.7	1059.1	370.8	299.7	302.0	293.1	282.0	262.0	224.3	188.7
3221.7	70°	2009.4	512.9	244.2	228.7	224.3	224.3	233.1	226.5	190.9	157.6
1119.0	72.5°	683.9	275.3	182.1	173.2	162.1	159.9	195.4	188.7	153.2	122.1
557.3	75°	357.5	184.3	133.2	124.3	97.7	117.7	155.4	146.5	108.8	79.9
368.6	77.5°	233.1	131.0	91.0	79.9	55.5	77.7	115.5	102.1	64.4	40.0
242.0	80°	146.5	86.6	53.3	37.7	26.6	42.2	62.2	44.4	24.4	8.9
142.1	82.5°	77.7	44.4	20.0	13.3	11.1	13.3	15.5	11.1	4.4	0.0
73.3	85°	31.1	15.5	6.7	4.4	2.2	0.0	4.4	2.2	0.0	0.0
13.3	87.5°	11.1	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

<u>180°</u>
4391.8
4103.1
3434.8
2560.0
1727.4
1398.8
1363.3
1343.3
1312.2
1281.1
1261.1
1245.6
1230.1
1214.5
1203.4
1190.1
1147.9
1054.6
932.5
806.0
692.7
592.8
510.7
433.0
361.9
284.2
217.6
184.3
151.0
115.5
73.3
35.5
6.7
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