

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: P852816

Luminaire Tested: **GLAN-SB6C-840-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852816
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-SB6C-840-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 4000K, 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: 30579 lumens
Efficiency: N/A
Efficacy: 101.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

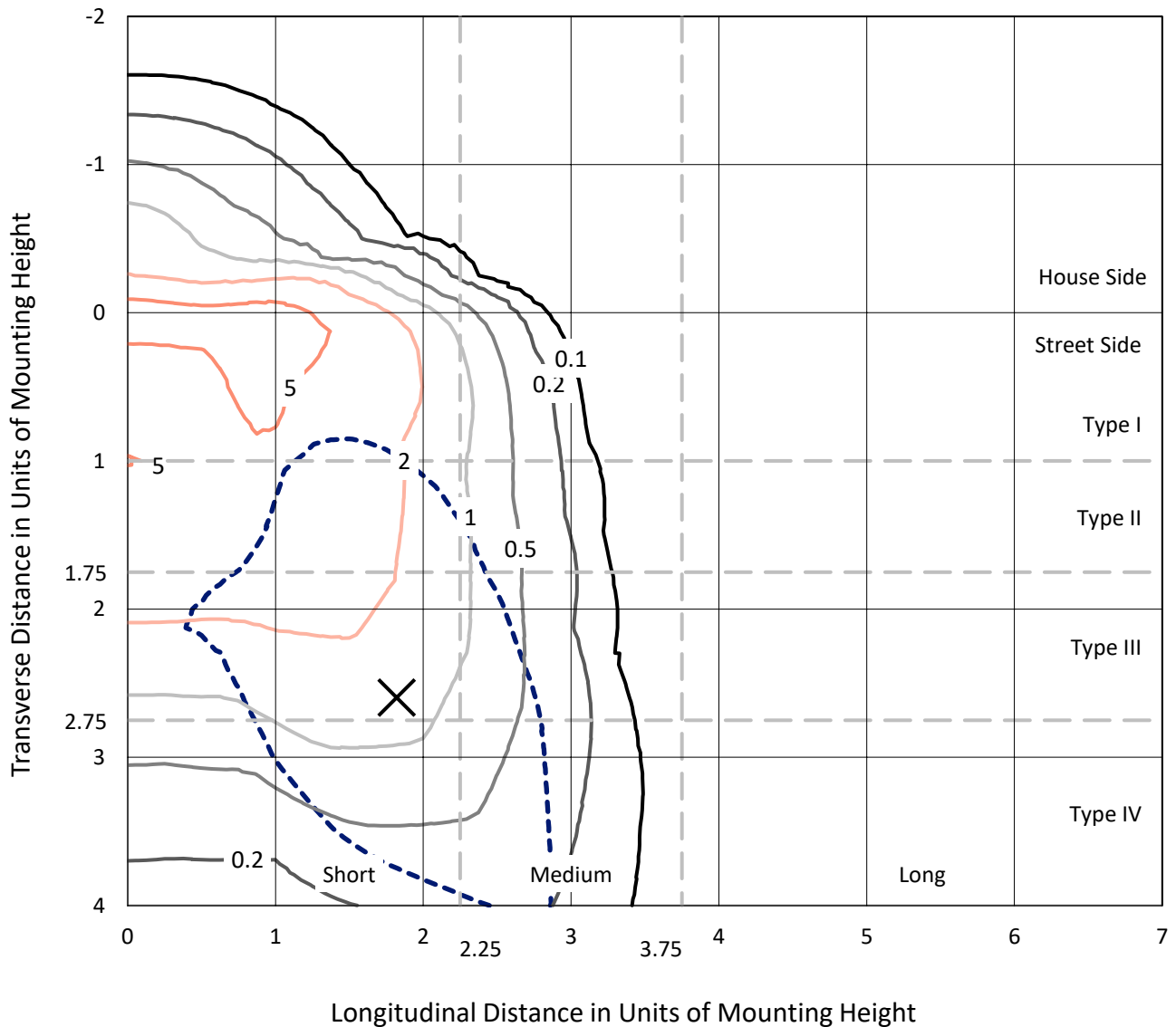
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

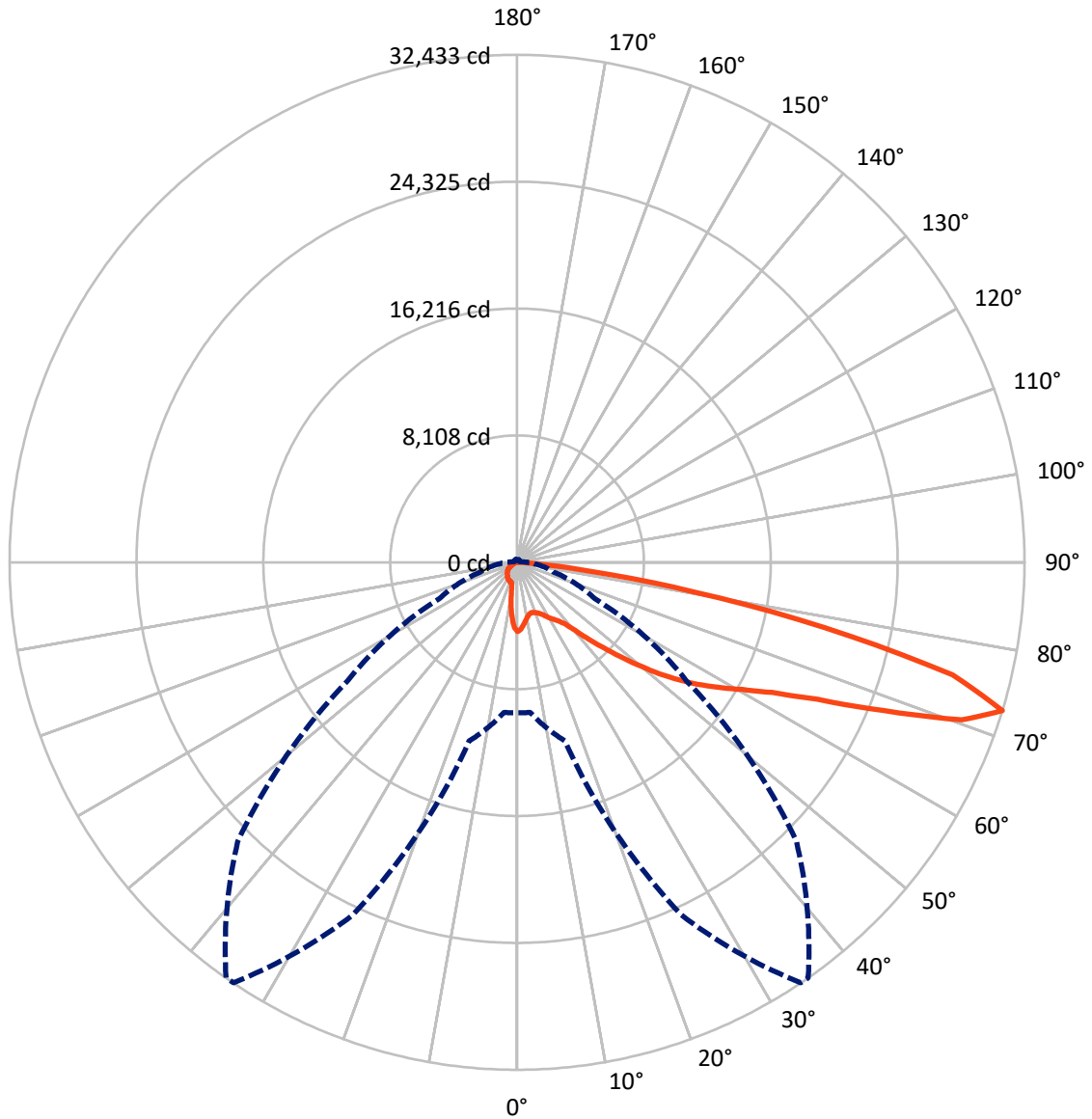
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 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	3441.5	0.0	3441.5
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	27137.5	0.0	27137.5
	% Fixture	88.7	0.0	88.7
Total	Lumens	30579.0	0.0	30579.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	364.2	1.2
10°-20°	852.0	2.8
20°-30°	1384.0	4.5
30°-40°	2309.2	7.6
40°-50°	4369.1	14.3
50°-60°	6942.4	22.7
60°-70°	8588.2	28.1
70°-80°	5338.5	17.5
80°-90°	431.4	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°	30579.0	100.0
0°-180°	30579.0	100.0

Coefficient of Utilization

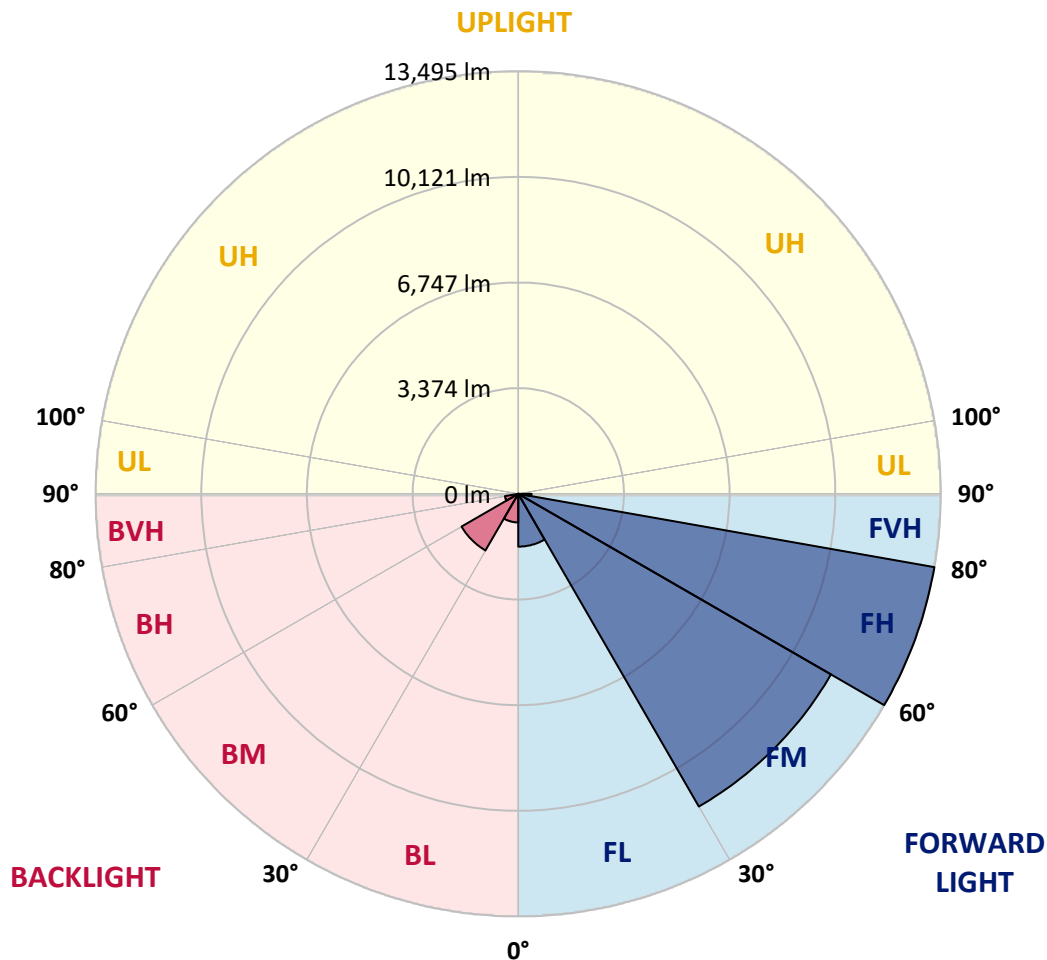


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1685.7	5.5			
FM (30°-60°)	11531.3	37.7			
FH (60°-80°)	13494.9	44.1			G5
FVH (80°-90°)	425.6	1.4			G3/500
BL (0°-30°)	914.5	3.0	B2/1000		
BM (30°-60°)	2089.3	6.8	B2/2500		
BH (60°-80°)	431.9	1.4	B1/500		G1/500
BVH (80°-90°)	5.9	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°	4431.9	4431.9	4431.9	4431.9	4431.9	4431.9	4431.9	4431.9	4431.9	4431.9
2.5°	4234.7	4270.6	4277.3	4288.5	4288.5	4302.0	4324.4	4355.7	4407.3	4434.2
5°	3903.1	3930.0	3963.6	3990.5	4042.1	4048.8	4136.2	4221.3	4340.1	4429.7
7.5°	3569.3	3600.7	3645.5	3710.4	3777.7	3797.8	3930.0	4073.4	4261.6	4429.7
10°	3334.0	3336.3	3376.6	3441.6	3549.1	3573.8	3735.1	3939.0	4174.3	4402.8
12.5°	3201.8	3217.5	3235.4	3284.7	3387.8	3403.5	3576.0	3815.8	4086.9	4387.1
15°	3201.8	3213.0	3224.2	3248.9	3331.8	3345.2	3497.6	3737.3	4042.1	4393.8
17.5°	3235.4	3253.4	3244.4	3273.5	3360.9	3369.9	3504.3	3714.9	4039.8	4436.4
20°	3316.1	3329.5	3311.6	3329.5	3416.9	3434.9	3573.8	3757.5	4077.9	4510.3
22.5°	3443.8	3450.5	3408.0	3421.4	3511.0	3533.4	3694.8	3878.5	4169.8	4629.1
25°	3605.1	3618.6	3553.6	3569.3	3654.4	3681.3	3867.3	4060.0	4315.4	4792.7
27.5°	3791.1	3797.8	3741.8	3739.6	3849.4	3887.5	4075.7	4284.0	4510.3	4998.8
30°	4004.0	4024.1	3970.4	3961.4	4100.3	4131.7	4317.7	4559.6	4797.1	5308.0
32.5°	4172.0	4187.7	4156.3	4178.7	4319.9	4344.5	4611.2	4949.5	5247.5	5747.2
35°	4414.0	4423.0	4351.3	4391.6	4552.9	4615.7	5012.2	5496.2	5814.4	6298.3
37.5°	5290.1	5290.1	4985.4	4785.9	4940.5	4996.6	5561.2	6184.1	6513.4	7037.7
40°	6502.2	6482.1	6036.2	5628.4	5608.2	5718.0	6343.2	7051.2	7416.4	7925.0
42.5°	7795.1	7763.7	7156.5	6753.2	6686.0	6724.1	7246.1	8120.0	8491.9	9007.2
45°	8942.3	8933.3	8377.6	7835.4	7714.4	7835.4	8373.2	9370.2	9636.9	10179.1
47.5°	9903.5	9903.5	9497.9	9143.9	9081.2	9152.9	9899.0	10757.2	10732.5	11427.1
50°	11010.3	11001.4	10616.0	10463.6	10528.6	10629.4	11655.6	12218.0	11866.3	12652.7
52.5°	11785.6	11839.4	11707.2	11682.5	12014.1	12188.9	13439.2	13647.5	12881.3	13815.6
55°	12399.5	12462.3	12614.6	12787.1	13425.7	13654.3	15166.7	15003.1	13730.4	14823.9
57.5°	13268.9	13179.3	13414.5	13755.1	14788.0	15063.6	16840.4	16282.5	14413.8	15641.7
60°	14324.2	14337.6	14378.0	14808.2	16148.1	16502.1	18489.5	17492.4	14853.0	16143.6
62.5°	15592.4	15612.6	15695.5	16356.4	17974.2	18308.0	20246.1	18482.8	15054.6	16002.4
65°	15505.0	15590.1	16515.5	18776.3	20750.3	21079.6	22296.3	19177.4	14749.9	14711.8
67.5°	14124.8	14263.7	15812.0	21666.7	24935.7	25303.2	24774.4	19314.0	13434.7	11440.5
70°	12314.4	12363.7	14225.6	24265.8	29782.2	30154.1	26992.6	17810.6	10194.8	6381.3
72.5°	9616.7	9627.9	11812.5	24868.5	32412.6	32432.8	25251.7	13221.8	5482.8	2451.2
75°	6869.7	6802.5	7911.6	20167.7	28516.2	28744.8	18930.9	6202.0	2095.0	1158.4
77.5°	3683.6	3757.5	4476.7	11960.4	19699.4	20089.3	10329.2	1788.0	1066.5	788.7
80°	1138.2	1201.0	1835.1	5476.0	11158.2	11393.5	3829.2	795.4	743.9	562.4
82.5°	358.5	371.9	855.9	2301.1	4631.3	4738.9	1109.1	450.4	508.6	371.9
85°	103.1	105.3	380.9	858.2	1145.0	1167.4	311.4	174.8	291.3	230.8
87.5°	11.2	35.8	143.4	143.4	100.8	98.6	33.6	38.1	82.9	29.1
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°
4431.9	0°	4431.9	4431.9	4431.9	4431.9	4431.9	4431.9	4431.9	4431.9	4431.9	4431.9
4452.1	2.5°	4440.9	4443.1	4414.0	4364.7	4310.9	4266.1	4210.1	4165.3	4133.9	4125.0
4492.4	5°	4472.3	4456.6	4373.7	4223.5	4044.3	3889.7	3717.2	3580.5	3490.9	3452.8
4535.0	7.5°	4519.3	4474.5	4293.0	3997.2	3654.4	3349.7	3040.5	2800.8	2648.4	2572.2
4575.3	10°	4559.6	4470.0	4158.6	3670.1	3145.8	2684.2	2267.5	1978.5	1817.1	1741.0
4622.4	12.5°	4597.7	4467.8	3983.8	3282.5	2572.2	2007.6	1620.0	1476.6	1431.7	1416.1
4698.6	15°	4669.4	4474.5	3764.2	2838.9	2000.9	1516.9	1375.7	1373.5	1382.5	1378.0
4815.1	17.5°	4768.0	4481.2	3515.5	2368.3	1543.8	1337.6	1330.9	1351.1	1364.5	1357.8
4960.7	20°	4895.7	4508.1	3251.1	1902.3	1326.4	1292.8	1308.5	1326.4	1337.6	1326.4
5155.6	22.5°	5075.0	4555.2	2962.1	1528.1	1257.0	1265.9	1279.4	1299.6	1310.8	1295.1
5404.3	25°	5294.6	4629.1	2677.5	1328.7	1223.4	1234.6	1254.7	1277.1	1290.6	1274.9
5718.0	27.5°	5579.1	4747.8	2415.4	1283.9	1189.8	1196.5	1225.6	1259.2	1277.1	1257.0
6163.9	30°	5991.4	4942.8	2189.1	1304.0	1169.6	1153.9	1194.2	1241.3	1261.5	1243.5
6771.1	32.5°	6538.1	5218.4	2050.2	1335.4	1160.6	1104.6	1142.7	1203.2	1236.8	1225.6
7564.3	35°	7255.1	5637.4	1996.4	1371.3	1153.9	1053.1	1080.0	1145.0	1203.2	1214.4
8563.6	37.5°	8124.4	6219.9	2012.1	1386.9	1133.7	1010.5	1024.0	1080.0	1156.2	1192.0
9688.4	40°	9112.6	6898.8	2101.7	1371.3	1111.3	974.7	976.9	1019.5	1086.7	1140.5
10898.3	42.5°	10132.0	7692.0	2267.5	1313.0	1091.2	943.3	936.6	965.7	1010.5	1048.6
12106.0	45°	11102.2	8507.6	2431.1	1232.3	1066.5	911.9	896.2	907.4	916.4	932.1
13282.3	47.5°	11949.2	9081.2	2384.0	1158.4	1032.9	876.1	849.2	844.7	817.8	815.6
14333.2	50°	12534.0	9206.7	2117.4	1084.5	983.6	835.7	793.2	766.3	719.2	696.8
15119.6	52.5°	12719.9	8711.5	1729.7	1010.5	903.0	782.0	721.5	678.9	620.6	600.5
15572.2	55°	12473.5	7741.3	1382.5	920.9	790.9	710.3	643.1	587.0	540.0	515.3
15621.5	57.5°	11870.7	6506.7	1093.4	815.6	672.2	629.6	562.4	506.4	466.0	441.4
15074.8	60°	10871.4	5166.8	864.9	690.1	573.6	542.2	472.8	436.9	401.1	371.9
13663.2	62.5°	9354.5	3688.0	678.9	546.7	479.5	443.6	403.3	376.4	333.9	293.5
11124.6	65°	7299.9	2256.3	524.3	401.1	385.4	367.5	342.8	318.2	266.6	226.3
7257.3	67.5°	4604.4	1068.8	374.2	302.5	304.7	295.8	284.6	264.4	226.3	190.5
3251.1	70°	2027.8	517.6	246.5	230.8	226.3	226.3	235.3	228.5	192.7	159.1
1129.3	72.5°	690.1	277.8	183.7	174.8	163.6	161.3	197.2	190.5	154.6	123.2
562.4	75°	360.7	186.0	134.4	125.5	98.6	118.8	156.8	147.9	109.8	80.7
371.9	77.5°	235.3	132.2	91.9	80.7	56.0	78.4	116.5	103.1	65.0	40.3
244.2	80°	147.9	87.4	53.8	38.1	26.9	42.6	62.7	44.8	24.6	9.0
143.4	82.5°	78.4	44.8	20.2	13.4	11.2	13.4	15.7	11.2	4.5	0.0
73.9	85°	31.4	15.7	6.7	4.5	2.2	0.0	4.5	2.2	0.0	0.0
13.4	87.5°	11.2	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°
4431.9
4140.6
3466.2
2583.4
1743.2
1411.6
1375.7
1355.6
1324.2
1292.8
1272.7
1257.0
1241.3
1225.6
1214.4
1201.0
1158.4
1064.3
941.1
813.3
699.1
598.2
515.3
436.9
365.2
286.8
219.6
186.0
152.4
116.5
73.9
35.8
6.7
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