

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: P852946

Luminaire Tested: **GLAN-SB7C-827-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852946  
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-827-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

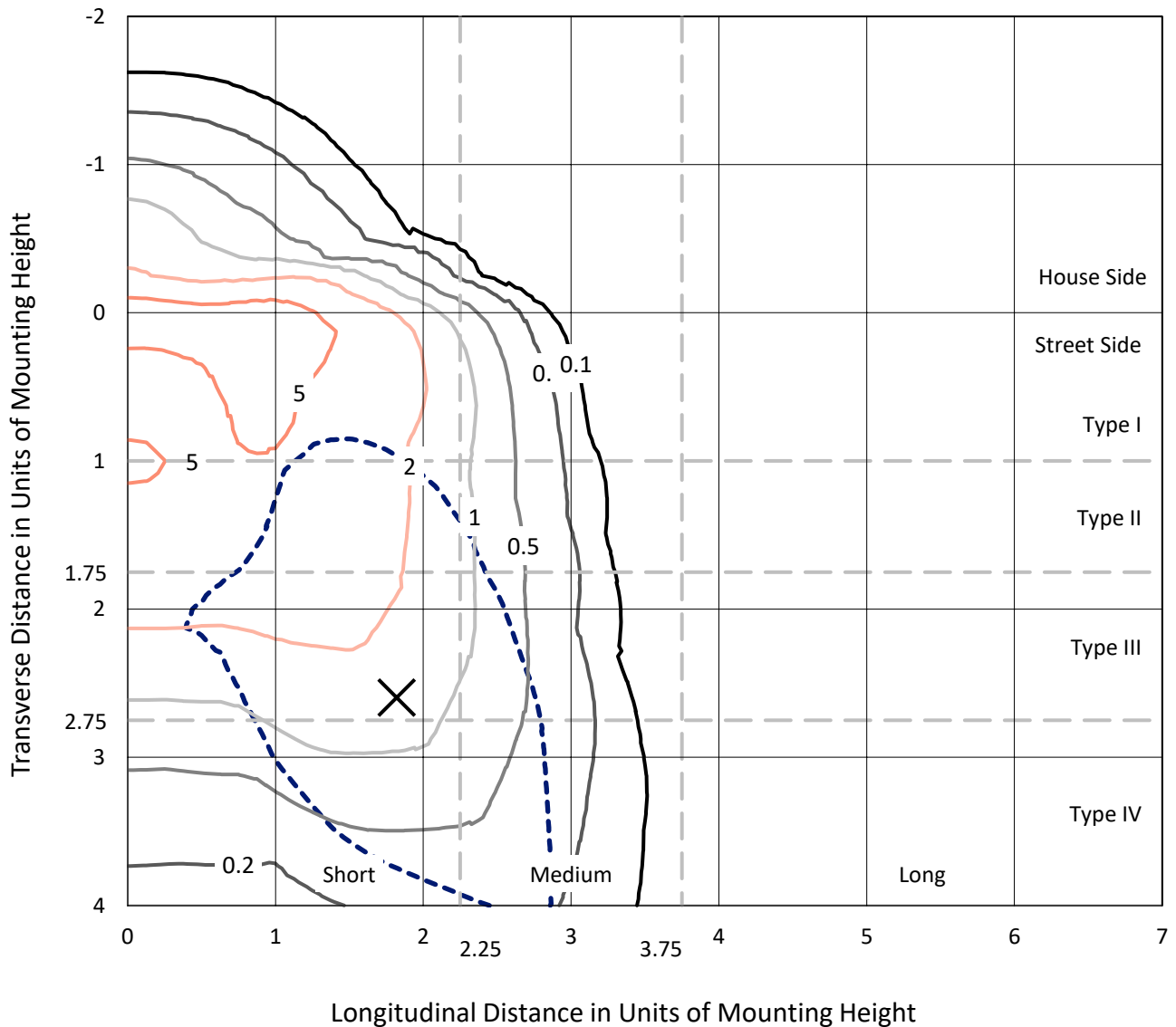
Lumens per Lamp: N/A  
Luminaire Lumens: 32152 lumens  
Efficiency: N/A  
Efficacy: 91.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G5  
  
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

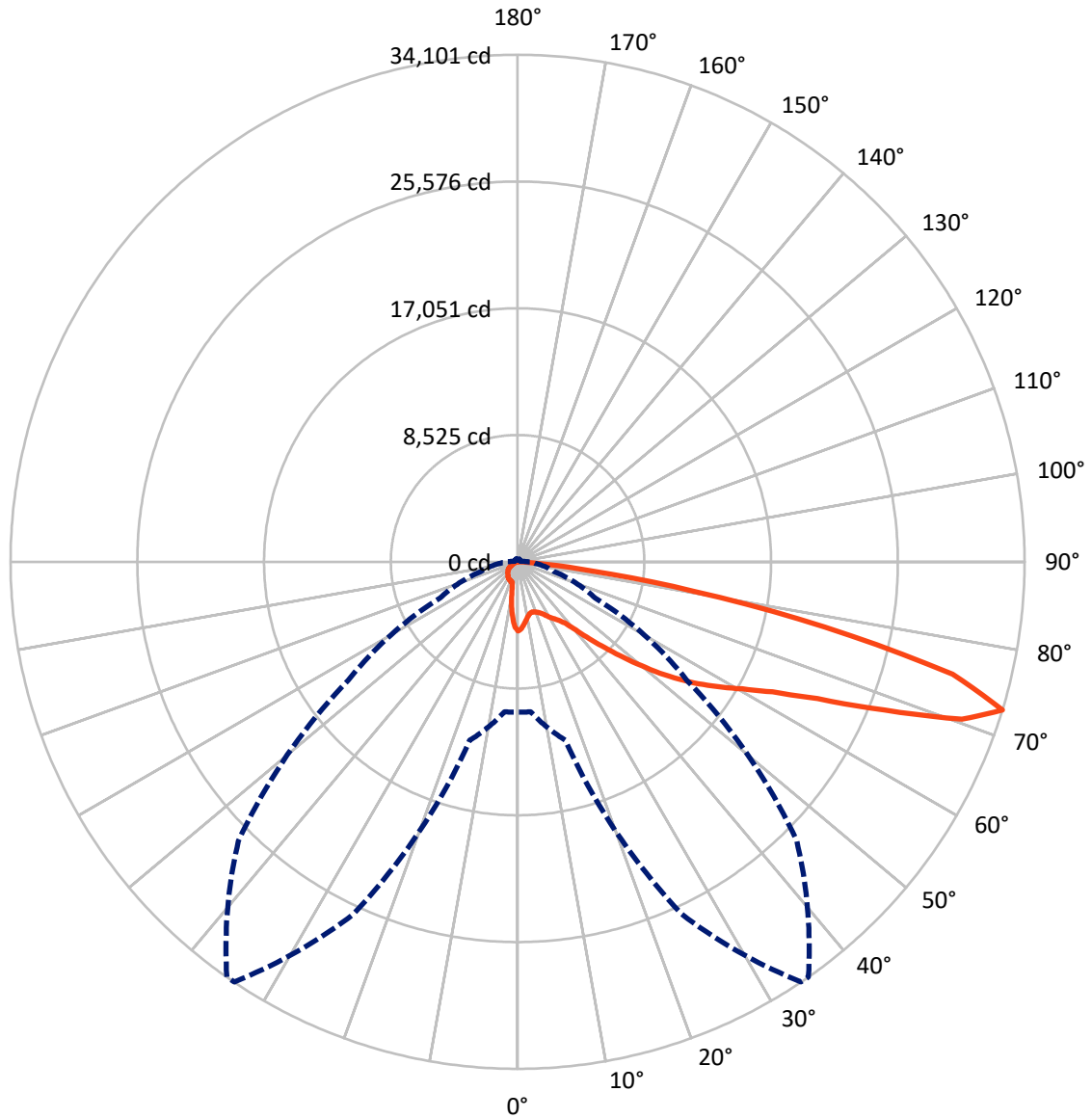
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 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
<b>House Side</b>	Lumens	3618.6	0.0	3618.6
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	28533.4	0.0	28533.4
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	32152.0	0.0	32152.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	382.9	1.2
10°-20°	895.8	2.8
20°-30°	1455.2	4.5
30°-40°	2428.0	7.6
40°-50°	4593.8	14.3
50°-60°	7299.5	22.7
60°-70°	9030.0	28.1
70°-80°	5613.1	17.5
80°-90°	453.6	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°	32152.0	100.0
0°-180°	32152.0	100.0

**Coefficient of Utilization**



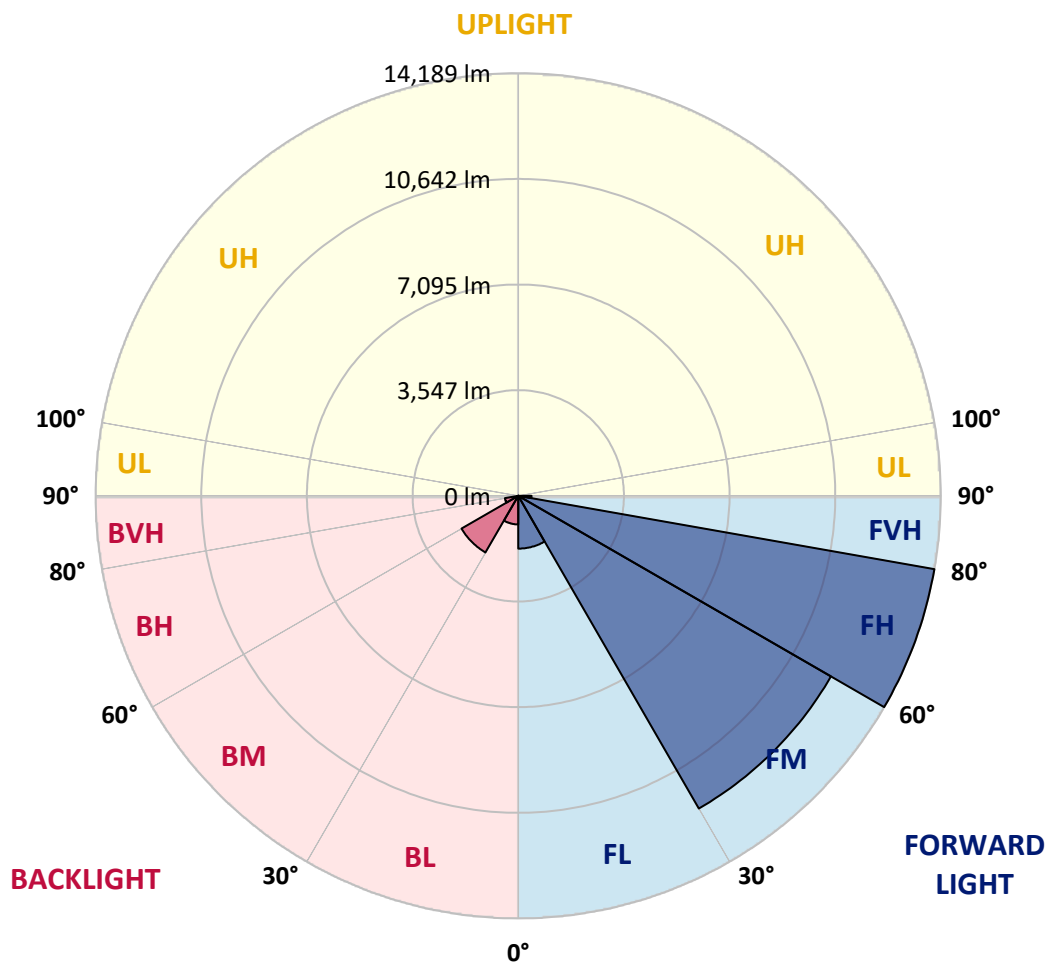
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1772.4	5.5			
FM (30°-60°)	12124.5	37.7			
FH (60°-80°)	14189.1	44.1			G5
FVH (80°-90°)	447.5	1.4			G3/500
BL (0°-30°)	961.5	3.0	B2/1000		
BM (30°-60°)	2196.8	6.8	B2/2500		
BH (60°-80°)	454.1	1.4	B1/500		G1/500
BVH (80°-90°)	6.2	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°	4659.9	4659.9	4659.9	4659.9	4659.9	4659.9	4659.9	4659.9	4659.9	4659.9
2.5°	4452.6	4490.3	4497.3	4509.1	4509.1	4523.3	4546.8	4579.8	4634.0	4662.3
5°	4103.9	4132.2	4167.5	4195.8	4250.0	4257.0	4348.9	4438.5	4563.3	4657.5
7.5°	3752.9	3785.9	3833.0	3901.3	3972.0	3993.2	4132.2	4283.0	4480.9	4657.5
10°	3505.5	3507.9	3550.3	3618.6	3731.7	3757.6	3927.2	4141.6	4389.0	4629.3
12.5°	3366.5	3383.0	3401.9	3453.7	3562.1	3578.6	3760.0	4012.0	4297.1	4612.8
15°	3366.5	3378.3	3390.1	3416.0	3503.2	3517.3	3677.5	3929.6	4250.0	4619.9
17.5°	3401.9	3420.7	3411.3	3441.9	3533.8	3543.2	3684.6	3906.0	4247.6	4664.6
20°	3486.7	3500.8	3482.0	3500.8	3592.7	3611.5	3757.6	3950.8	4287.7	4742.4
22.5°	3621.0	3628.0	3583.3	3597.4	3691.6	3715.2	3884.8	4078.0	4384.3	4867.2
25°	3790.6	3804.7	3736.4	3752.9	3842.4	3870.7	4066.2	4268.8	4537.4	5039.2
27.5°	3986.1	3993.2	3934.3	3931.9	4047.4	4087.4	4285.3	4504.4	4742.4	5255.9
30°	4209.9	4231.1	4174.6	4165.2	4311.2	4344.2	4539.8	4794.2	5043.9	5581.0
32.5°	4386.6	4403.1	4370.1	4393.7	4542.1	4568.0	4848.4	5204.1	5517.4	6042.8
35°	4641.1	4650.5	4575.1	4617.5	4787.1	4853.1	5270.1	5778.9	6113.5	6622.3
37.5°	5562.2	5562.2	5241.8	5032.1	5194.7	5253.6	5847.3	6502.2	6848.5	7399.8
40°	6836.7	6815.5	6346.7	5917.9	5896.7	6012.2	6669.5	7413.9	7797.9	8332.7
42.5°	8196.1	8163.1	7524.6	7100.6	7029.9	7070.0	7618.9	8537.7	8928.7	9470.6
45°	9402.3	9392.8	8808.6	8238.5	8111.2	8238.5	8803.9	9852.2	10132.6	10702.7
47.5°	10412.9	10412.9	9986.5	9614.3	9548.3	9623.7	10408.2	11310.5	11284.6	12014.9
50°	11576.7	11567.3	11162.1	11001.9	11070.2	11176.2	12255.2	12846.5	12476.7	13303.6
52.5°	12391.9	12448.4	12309.4	12283.5	12632.2	12815.9	14130.5	14349.6	13543.9	14526.3
55°	13037.4	13103.3	13263.5	13444.9	14116.3	14356.6	15946.9	15774.9	14436.7	15586.4
57.5°	13951.4	13857.2	14104.6	14462.7	15548.7	15838.5	17706.7	17120.1	15155.3	16446.3
60°	15061.1	15075.2	15117.6	15569.9	16978.7	17351.0	19440.6	18392.2	15617.0	16974.0
62.5°	16394.5	16415.7	16502.8	17197.8	18898.8	19249.8	21287.6	19433.5	15829.1	16825.6
65°	16302.6	16392.1	17365.1	19742.2	21817.7	22164.0	23443.2	20163.9	15508.7	15468.6
67.5°	14851.4	14997.4	16625.3	22781.2	26218.4	26604.8	26048.8	20307.6	14125.8	12029.1
70°	12947.8	12999.7	14957.4	25514.0	31314.2	31705.2	28381.1	18726.8	10719.2	6709.5
72.5°	10111.4	10123.2	12420.1	26147.8	34080.0	34101.2	26550.6	13902.0	5764.8	2577.3
75°	7223.1	7152.4	8318.6	21205.1	29983.1	30223.4	19904.7	6521.0	2202.7	1218.0
77.5°	3873.0	3950.8	4707.0	12575.6	20712.8	21122.7	10860.5	1880.0	1121.4	829.3
80°	1196.8	1262.7	1929.5	5757.7	11732.2	11979.6	4026.2	836.3	782.1	591.3
82.5°	376.9	391.1	899.9	2419.5	4869.6	4982.7	1166.2	473.5	534.8	391.1
85°	108.4	110.7	400.5	902.3	1203.8	1227.4	327.5	183.8	306.3	242.7
87.5°	11.8	37.7	150.8	150.8	106.0	103.7	35.3	40.0	87.2	30.6
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°
4659.9	0°	4659.9	4659.9	4659.9	4659.9	4659.9	4659.9	4659.9	4659.9	4659.9	4659.9
4681.1	2.5°	4669.3	4671.7	4641.1	4589.2	4532.7	4485.6	4426.7	4379.6	4346.6	4337.1
4723.5	5°	4702.3	4685.8	4598.7	4440.8	4252.3	4089.8	3908.4	3764.7	3670.4	3630.4
4768.3	7.5°	4751.8	4704.7	4513.8	4202.9	3842.4	3522.0	3196.9	2944.8	2784.6	2704.5
4810.7	10°	4794.2	4700.0	4372.5	3858.9	3307.6	2822.3	2384.1	2080.2	1910.6	1830.5
4860.2	12.5°	4834.2	4697.6	4188.7	3451.3	2704.5	2110.9	1703.3	1552.5	1505.4	1488.9
4940.3	15°	4909.6	4704.7	3957.9	2984.9	2103.8	1594.9	1446.5	1444.1	1453.6	1448.9
5062.8	17.5°	5013.3	4711.7	3696.4	2490.2	1623.2	1406.5	1399.4	1420.6	1434.7	1427.7
5215.9	20°	5147.6	4740.0	3418.4	2000.1	1394.7	1359.3	1375.8	1394.7	1406.5	1394.7
5420.8	22.5°	5336.0	4789.5	3114.5	1606.7	1321.6	1331.1	1345.2	1366.4	1378.2	1361.7
5682.3	25°	5566.9	4867.2	2815.3	1397.0	1286.3	1298.1	1319.3	1342.8	1357.0	1340.5
6012.2	27.5°	5866.1	4992.1	2539.6	1349.9	1251.0	1258.0	1288.7	1324.0	1342.8	1321.6
6481.0	30°	6299.6	5197.0	2301.7	1371.1	1229.8	1213.3	1255.7	1305.1	1326.4	1307.5
7119.4	32.5°	6874.4	5486.8	2155.6	1404.1	1220.3	1161.4	1201.5	1265.1	1300.4	1288.7
7953.4	35°	7628.3	5927.4	2099.1	1441.8	1213.3	1107.3	1135.5	1203.8	1265.1	1276.9
9004.1	37.5°	8542.4	6539.9	2115.6	1458.3	1192.1	1062.5	1076.6	1135.5	1215.6	1253.3
10186.8	40°	9581.3	7253.7	2209.8	1441.8	1168.5	1024.8	1027.2	1071.9	1142.6	1199.1
11458.9	42.5°	10653.2	8087.7	2384.1	1380.5	1147.3	991.8	984.8	1015.4	1062.5	1102.5
12728.7	45°	11673.3	8945.2	2556.1	1295.7	1121.4	958.8	942.3	954.1	963.5	980.0
13965.6	47.5°	12563.8	9548.3	2506.6	1218.0	1086.1	921.1	892.9	888.2	859.9	857.5
15070.5	50°	13178.7	9680.3	2226.3	1140.2	1034.2	878.7	834.0	805.7	756.2	732.7
15897.4	52.5°	13374.3	9159.6	1818.7	1062.5	949.4	822.2	758.6	713.8	652.6	631.4
16373.3	55°	13115.1	8139.5	1453.6	968.3	831.6	746.8	676.1	617.2	567.8	541.8
16425.1	57.5°	12481.4	6841.4	1149.7	857.5	706.8	662.0	591.3	532.4	490.0	464.1
15850.3	60°	11430.7	5432.6	909.4	725.6	603.1	570.1	497.1	459.4	421.7	391.1
14366.1	62.5°	9835.7	3877.8	713.8	574.8	504.2	466.5	424.1	395.8	351.0	308.6
11696.9	65°	7675.4	2372.4	551.3	421.7	405.2	386.4	360.4	334.5	280.3	237.9
7630.6	67.5°	4841.3	1123.7	393.4	318.0	320.4	311.0	299.2	278.0	237.9	200.2
3418.4	70°	2132.1	544.2	259.1	242.7	237.9	237.9	247.4	240.3	202.6	167.3
1187.4	72.5°	725.6	292.1	193.2	183.8	172.0	169.6	207.3	200.2	162.6	129.6
591.3	75°	379.3	195.5	141.4	131.9	103.7	124.9	164.9	155.5	115.4	84.8
391.1	77.5°	247.4	139.0	96.6	84.8	58.9	82.5	122.5	108.4	68.3	42.4
256.8	80°	155.5	91.9	56.5	40.0	28.3	44.8	66.0	47.1	25.9	9.4
150.8	82.5°	82.5	47.1	21.2	14.1	11.8	14.1	16.5	11.8	4.7	0.0
77.7	85°	33.0	16.5	7.1	4.7	2.4	0.0	4.7	2.4	0.0	0.0
14.1	87.5°	11.8	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°
4659.9
4353.6
3644.5
2716.3
1832.9
1484.2
1446.5
1425.3
1392.3
1359.3
1338.1
1321.6
1305.1
1288.7
1276.9
1262.7
1218.0
1119.0
989.5
855.2
735.0
629.0
541.8
459.4
384.0
301.6
230.9
195.5
160.2
122.5
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