

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: P853142

Luminaire Tested: **GLAN-SB9A-735-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853142  
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-SB9A-735-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

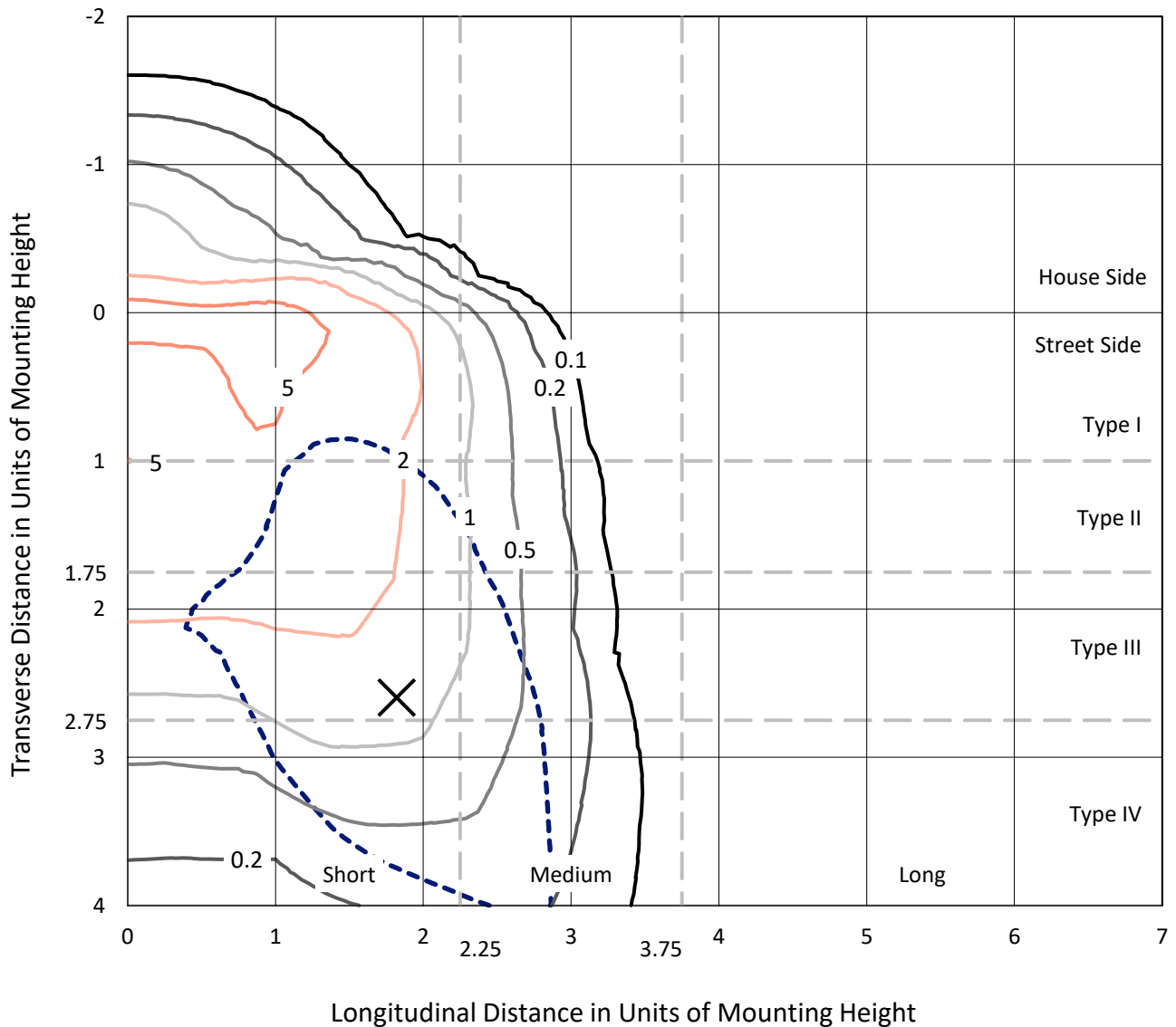
Lumens per Lamp: N/A  
Luminaire Lumens: 30357 lumens  
Efficiency: N/A  
Efficacy: 118.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G5  
  
Input Watts (W): 255.5  
Input Voltage (V): NR  
Input Current (Ain): 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

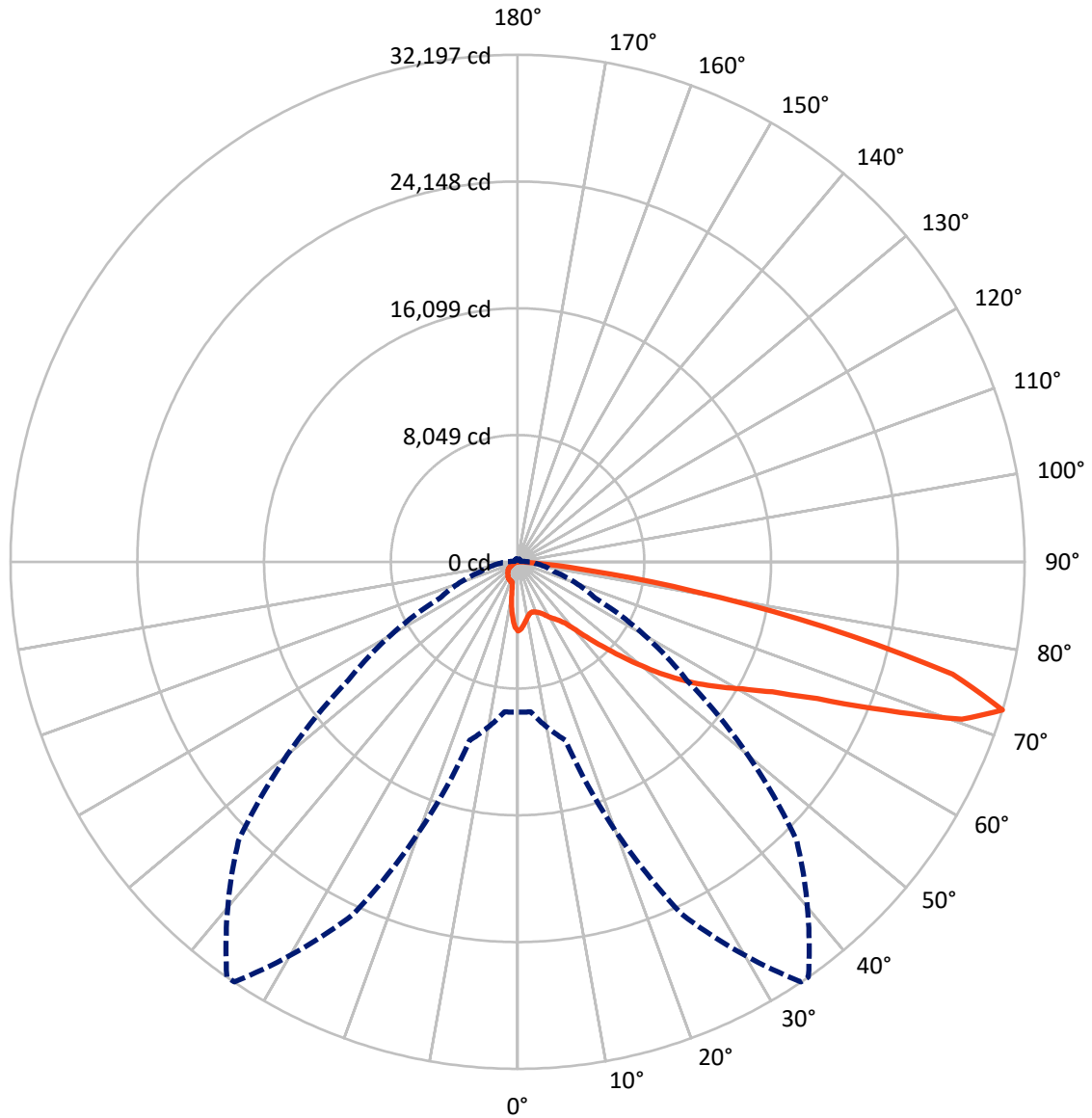
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 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	3416.5	0.0	3416.5
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	26940.5	0.0	26940.5
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	30357.0	0.0	30357.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	361.5	1.2
10°-20°	845.8	2.8
20°-30°	1374.0	4.5
30°-40°	2292.4	7.6
40°-50°	4337.3	14.3
50°-60°	6892.0	22.7
60°-70°	8525.9	28.1
70°-80°	5299.8	17.5
80°-90°	428.3	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°	30357.0	100.0
0°-180°	30357.0	100.0

**Coefficient of Utilization**

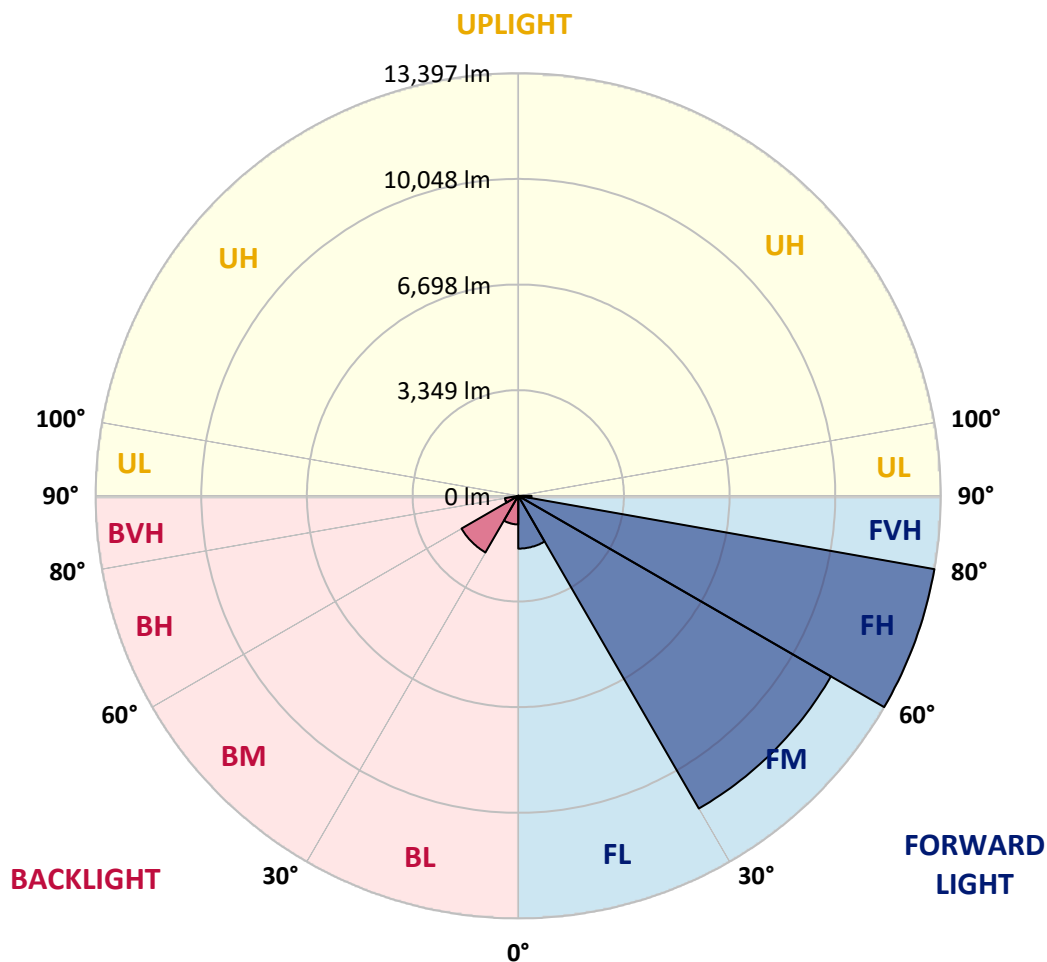


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1673.4	5.5			
FM (30°-60°)	11447.6	37.7			
FH (60°-80°)	13396.9	44.1			G5
FVH (80°-90°)	422.5	1.4			G3/500
BL (0°-30°)	907.8	3.0	B2/1000		
BM (30°-60°)	2074.1	6.8	B2/2500		
BH (60°-80°)	428.7	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°	4399.7	4399.7	4399.7	4399.7	4399.7	4399.7	4399.7	4399.7	4399.7	4399.7
2.5°	4204.0	4239.6	4246.3	4257.4	4257.4	4270.7	4293.0	4324.1	4375.3	4402.0
5°	3874.8	3901.5	3934.9	3961.6	4012.7	4019.4	4106.1	4190.7	4308.5	4397.5
7.5°	3543.4	3574.5	3619.0	3683.5	3750.2	3770.3	3901.5	4043.9	4230.7	4397.5
10°	3309.8	3312.0	3352.1	3416.6	3523.4	3547.8	3708.0	3910.4	4143.9	4370.8
12.5°	3178.6	3194.2	3211.9	3260.9	3363.2	3378.8	3550.0	3788.1	4057.2	4355.3
15°	3178.6	3189.7	3200.8	3225.3	3307.6	3320.9	3472.2	3710.2	4012.7	4361.9
17.5°	3211.9	3229.7	3220.8	3249.8	3336.5	3345.4	3478.9	3688.0	4010.5	4404.2
20°	3292.0	3305.4	3287.6	3305.4	3392.1	3409.9	3547.8	3730.2	4048.3	4477.6
22.5°	3418.8	3425.5	3383.2	3396.6	3485.5	3507.8	3667.9	3850.3	4139.5	4595.5
25°	3579.0	3592.3	3527.8	3543.4	3627.9	3654.6	3839.2	4030.5	4284.1	4757.9
27.5°	3763.6	3770.3	3714.6	3712.4	3821.4	3859.2	4046.1	4252.9	4477.6	4962.5
30°	3974.9	3994.9	3941.5	3932.6	4070.5	4101.7	4286.3	4526.5	4762.3	5269.5
32.5°	4141.7	4157.3	4126.2	4148.4	4288.5	4313.0	4577.7	4913.6	5209.4	5705.4
35°	4382.0	4390.8	4319.7	4359.7	4519.9	4582.1	4975.9	5456.3	5772.2	6252.6
37.5°	5251.7	5251.7	4949.2	4751.2	4904.7	4960.3	5520.8	6139.2	6466.2	6986.7
40°	6455.0	6435.0	5992.4	5587.5	5567.5	5676.5	6297.1	7000.0	7362.6	7867.5
42.5°	7738.5	7707.3	7104.5	6704.2	6637.4	6675.2	7193.5	8061.0	8430.3	8941.9
45°	8877.3	8868.4	8316.8	7778.5	7658.4	7778.5	8312.4	9302.2	9566.9	10105.2
47.5°	9831.6	9831.6	9429.0	9077.5	9015.3	9086.4	9827.1	10679.1	10654.6	11344.1
50°	10930.4	10921.5	10538.9	10387.7	10452.2	10552.3	11571.0	12129.3	11780.1	12560.9
52.5°	11700.0	11753.4	11622.2	11597.7	11926.9	12100.4	13341.6	13548.5	12787.7	13715.3
55°	12309.5	12371.8	12523.0	12694.3	13328.3	13555.1	15056.6	14894.2	13630.8	14716.2
57.5°	13172.5	13083.6	13317.1	13655.2	14680.7	14954.2	16718.1	16164.3	14309.2	15528.1
60°	14220.2	14233.6	14273.6	14700.7	16030.8	16382.3	18355.3	17365.4	14745.2	16026.4
62.5°	15479.2	15499.2	15581.5	16237.7	17843.7	18175.1	20099.1	18348.6	14945.3	15886.2
65°	15392.4	15477.0	16395.6	18640.0	20599.6	20926.6	22134.4	19038.1	14642.8	14605.0
67.5°	14022.2	14160.2	15697.2	21509.4	24754.7	25119.5	24594.5	19173.8	13337.2	11357.5
70°	12225.0	12273.9	14122.3	24089.6	29565.9	29935.2	26796.6	17681.3	10120.8	6334.9
72.5°	9546.9	9558.0	11726.7	24688.0	32177.3	32197.3	25068.3	13125.8	5443.0	2433.4
75°	6819.8	6753.1	7854.1	20021.3	28309.2	28536.1	18793.5	6157.0	2079.8	1150.0
77.5°	3656.8	3730.2	4444.2	11873.5	19556.4	19943.4	10254.2	1775.0	1058.8	783.0
80°	1130.0	1192.2	1821.7	5436.3	11077.2	11310.8	3801.4	789.6	738.5	558.3
82.5°	355.9	369.2	849.7	2284.4	4597.7	4704.5	1101.0	447.1	504.9	369.2
85°	102.3	104.5	378.1	851.9	1136.6	1158.9	309.2	173.5	289.2	229.1
87.5°	11.1	35.6	142.4	142.4	100.1	97.9	33.4	37.8	82.3	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°
4399.7	0°	4399.7	4399.7	4399.7	4399.7	4399.7	4399.7	4399.7	4399.7	4399.7	4399.7
4419.8	2.5°	4408.6	4410.9	4382.0	4333.0	4279.6	4235.1	4179.5	4135.1	4103.9	4095.0
4459.8	5°	4439.8	4424.2	4341.9	4192.9	4014.9	3861.5	3690.2	3554.5	3465.5	3427.7
4502.1	7.5°	4486.5	4442.0	4261.8	3968.2	3627.9	3325.4	3018.4	2780.4	2629.2	2553.5
4542.1	10°	4526.5	4437.6	4128.4	3643.5	3123.0	2664.8	2251.0	1964.1	1803.9	1728.3
4588.8	12.5°	4564.3	4435.3	3954.9	3258.7	2553.5	1993.0	1608.2	1465.8	1421.4	1405.8
4664.4	15°	4635.5	4442.0	3736.9	2818.2	1986.3	1505.9	1365.7	1363.5	1372.4	1368.0
4780.1	17.5°	4733.4	4448.7	3490.0	2351.1	1532.6	1327.9	1321.3	1341.3	1354.6	1348.0
4924.7	20°	4860.2	4475.4	3227.5	1888.5	1316.8	1283.4	1299.0	1316.8	1327.9	1316.8
5118.2	22.5°	5038.1	4522.1	2940.6	1517.0	1247.9	1256.8	1270.1	1290.1	1301.2	1285.7
5365.1	25°	5256.1	4595.5	2658.1	1319.0	1214.5	1225.6	1245.6	1267.9	1281.2	1265.7
5676.5	27.5°	5538.6	4713.4	2397.8	1274.5	1181.1	1187.8	1216.7	1250.1	1267.9	1247.9
6119.2	30°	5947.9	4906.9	2173.2	1294.6	1161.1	1145.5	1185.6	1232.3	1252.3	1234.5
6722.0	32.5°	6490.6	5180.5	2035.3	1325.7	1152.2	1096.6	1134.4	1194.5	1227.8	1216.7
7509.4	35°	7202.4	5596.4	1981.9	1361.3	1145.5	1045.4	1072.1	1136.6	1194.5	1205.6
8501.4	37.5°	8065.5	6174.8	1997.5	1376.9	1125.5	1003.2	1016.5	1072.1	1147.8	1183.3
9618.1	40°	9046.4	6848.7	2086.4	1361.3	1103.3	967.6	969.8	1012.1	1078.8	1132.2
10819.2	42.5°	10058.5	7636.2	2251.0	1303.5	1083.3	936.4	929.8	958.7	1003.2	1041.0
12018.1	45°	11021.6	8445.8	2413.4	1223.4	1058.8	905.3	889.7	900.9	909.8	925.3
13185.9	47.5°	11862.4	9015.3	2366.7	1150.0	1025.4	869.7	843.0	838.6	811.9	809.7
14229.1	50°	12443.0	9139.8	2102.0	1076.6	976.5	829.7	787.4	760.7	714.0	691.8
15009.9	52.5°	12627.6	8648.2	1717.2	1003.2	896.4	776.3	716.2	674.0	616.1	596.1
15459.2	55°	12382.9	7685.1	1372.4	914.2	785.2	705.1	638.4	582.8	536.1	511.6
15508.1	57.5°	11784.6	6459.5	1085.5	809.7	667.3	625.0	558.3	502.7	462.7	438.2
14965.4	60°	10792.5	5129.3	858.6	685.1	569.4	538.3	469.3	433.7	398.2	369.2
13564.0	62.5°	9286.6	3661.3	674.0	542.7	476.0	440.4	400.4	373.7	331.4	291.4
11043.9	65°	7246.9	2239.9	520.5	398.2	382.6	364.8	340.3	315.9	264.7	224.7
7204.6	67.5°	4571.0	1061.0	371.5	300.3	302.5	293.6	282.5	262.5	224.7	189.1
3227.5	70°	2013.0	513.8	244.7	229.1	224.7	224.7	233.6	226.9	191.3	157.9
1121.1	72.5°	685.1	275.8	182.4	173.5	162.4	160.2	195.7	189.1	153.5	122.3
558.3	75°	358.1	184.6	133.5	124.6	97.9	117.9	155.7	146.8	109.0	80.1
369.2	77.5°	233.6	131.2	91.2	80.1	55.6	77.9	115.7	102.3	64.5	40.0
242.5	80°	146.8	86.7	53.4	37.8	26.7	42.3	62.3	44.5	24.5	8.9
142.4	82.5°	77.9	44.5	20.0	13.3	11.1	13.3	15.6	11.1	4.4	0.0
73.4	85°	31.1	15.6	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



180°
4399.7
4110.6
3441.1
2564.7
1730.5
1401.3
1365.7
1345.7
1314.6
1283.4
1263.4
1247.9
1232.3
1216.7
1205.6
1192.2
1150.0
1056.6
934.2
807.4
694.0
593.9
511.6
433.7
362.6
284.7
218.0
184.6
151.3
115.7
73.4
35.6
6.7
0.0
0.0
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