

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: P852803

Luminaire Tested: **GLAN-SB6C-735-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852803  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6C-735-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 44047 lumens  
Efficiency: N/A  
Efficacy: 146.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B4 - U0 - G5

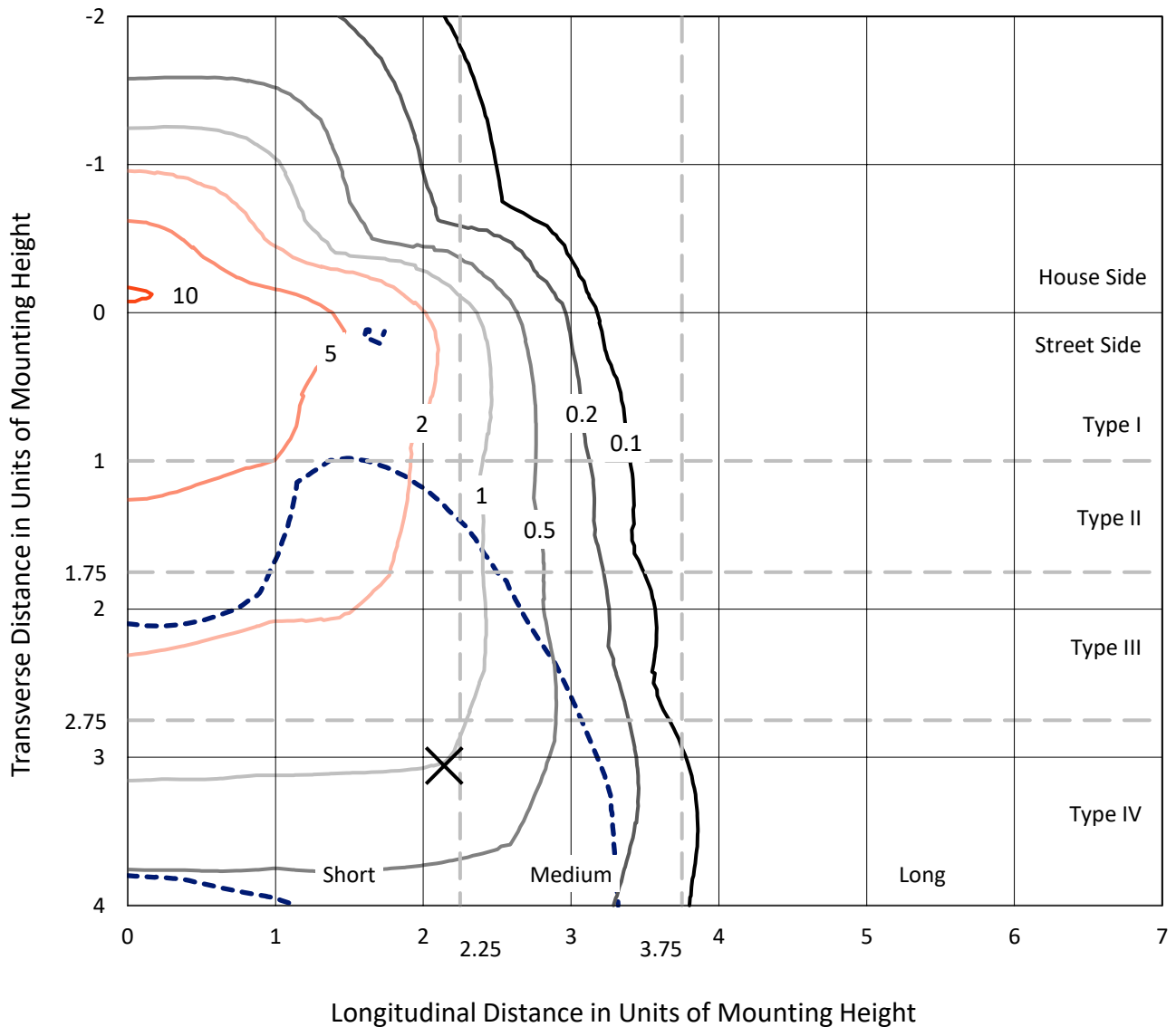
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

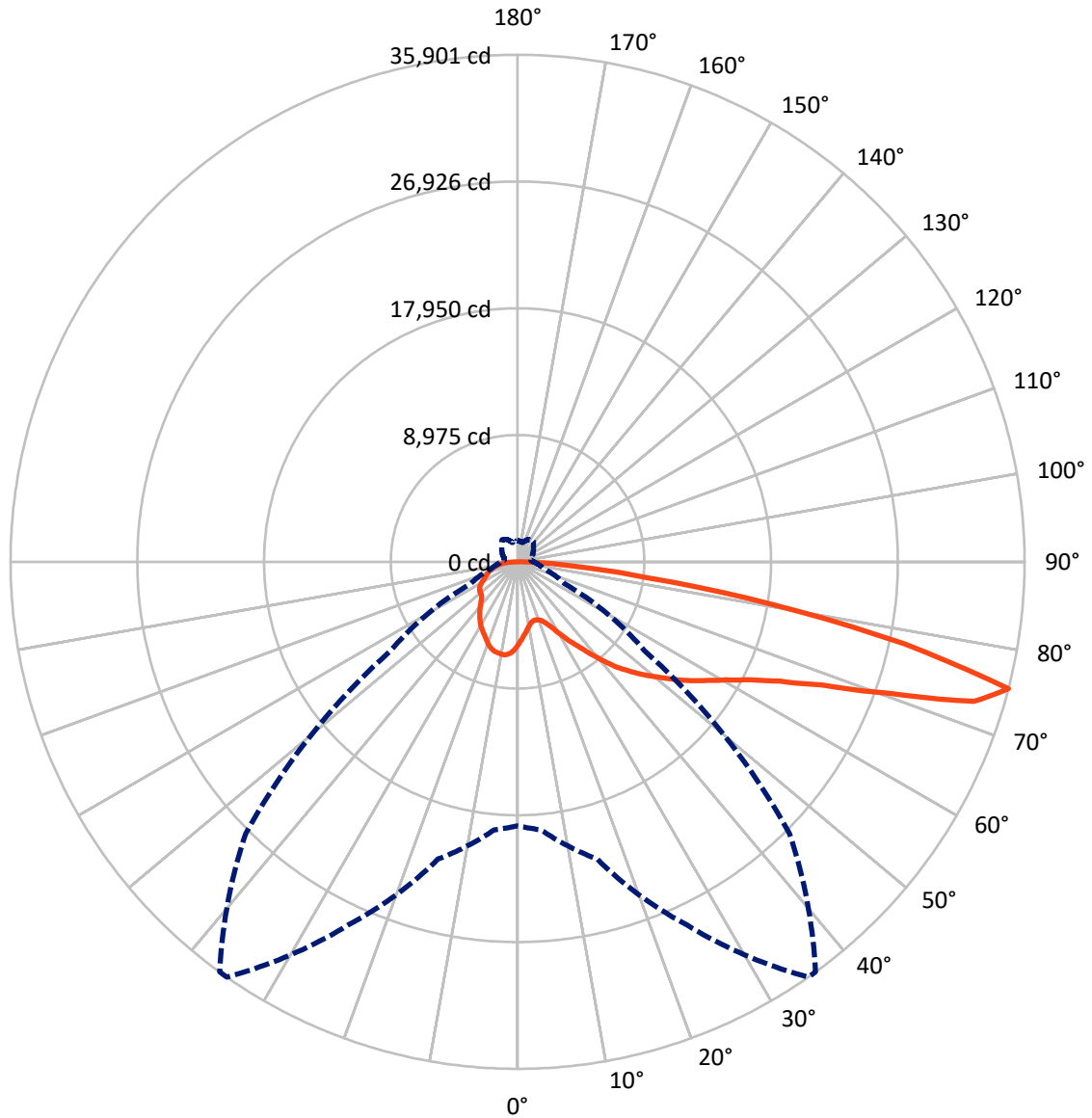
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.4 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10482.1	0.0	10482.1
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	33564.9	0.0	33564.9
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	44047.0	0.0	44047.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	555.7	1.3
10°-20°	1603.0	3.6
20°-30°	2691.8	6.1
30°-40°	4183.4	9.5
40°-50°	6209.3	14.1
50°-60°	8572.3	19.5
60°-70°	10400.2	23.6
70°-80°	8595.0	19.5
80°-90°	1236.2	2.8
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°	44047.0	100.0
0°-180°	44047.0	100.0

**Coefficient of Utilization**



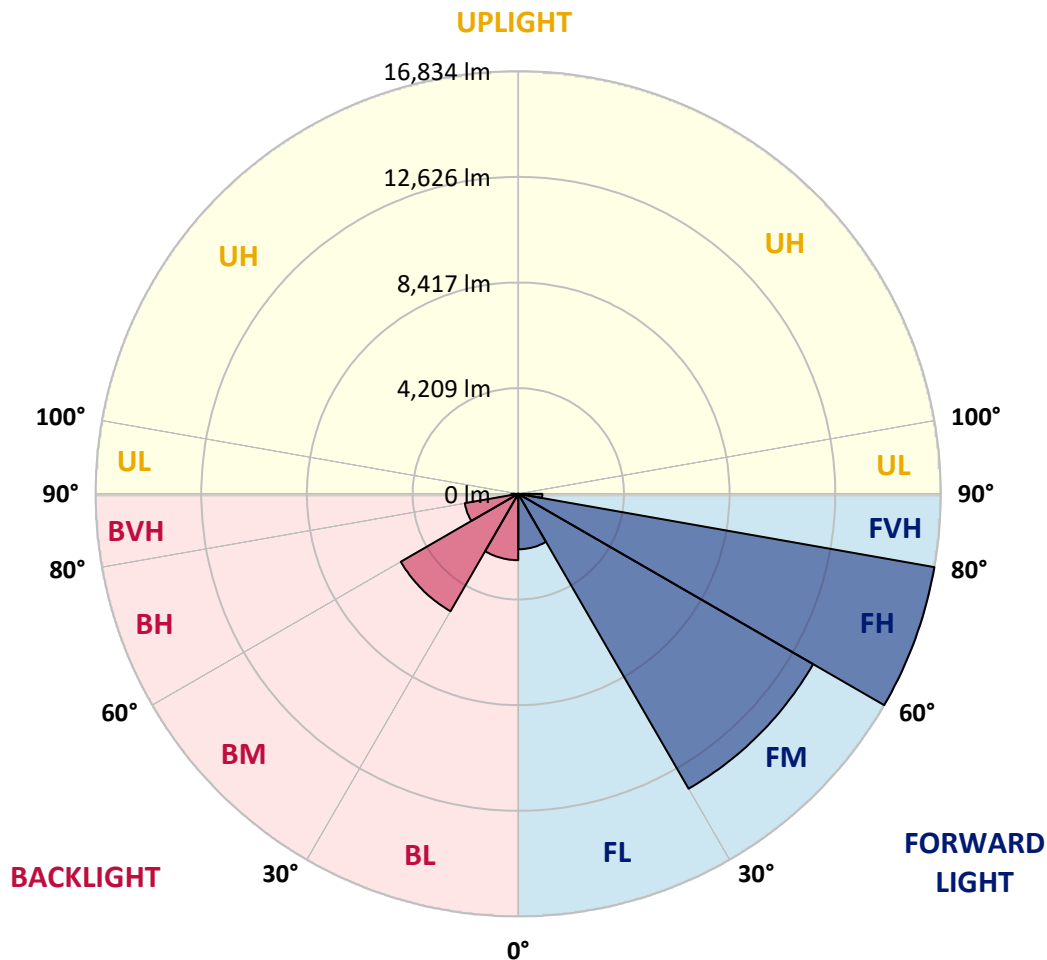
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2208.9	5.0			
FM (30°-60°)	13564.1	30.8			
FH (60°-80°)	16834.1	38.2			G5
FVH (80°-90°)	957.9	2.2			G5
BL (0°-30°)	2641.6	6.0	B4/5000		
BM (30°-60°)	5401.0	12.3	B4/8500		
BH (60°-80°)	2161.1	4.9	B3/2500		G3/2500
BVH (80°-90°)	278.4	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	5869.6	5869.6	5869.6	5869.6	5869.6	5869.6	5869.6	5869.6	5869.6	5869.6
2.5°	5412.4	5445.7	5460.0	5452.9	5488.6	5483.8	5533.8	5595.7	5681.4	5764.8
5°	4995.7	5031.4	5062.3	5090.9	5160.0	5181.4	5260.0	5379.0	5536.2	5695.7
7.5°	4607.5	4638.5	4686.1	4738.5	4855.2	4876.6	5007.6	5193.3	5412.4	5645.7
10°	4290.9	4321.8	4371.8	4431.3	4576.6	4602.8	4769.5	5017.1	5302.8	5598.1
12.5°	4155.1	4164.6	4193.2	4252.8	4379.0	4395.6	4579.0	4862.3	5195.7	5562.4
15°	4148.0	4167.0	4169.4	4200.4	4305.1	4312.3	4481.3	4762.3	5129.0	5555.2
17.5°	4219.4	4233.7	4212.3	4231.3	4319.4	4331.3	4464.7	4714.7	5107.6	5586.2
20°	4409.9	4421.8	4357.5	4331.3	4395.6	4405.1	4536.1	4745.7	5129.0	5650.5
22.5°	4814.7	4821.9	4664.7	4557.5	4562.3	4567.1	4681.4	4871.9	5212.4	5767.2
25°	5445.7	5441.0	5190.9	4983.8	4864.7	4838.5	4914.7	5076.6	5352.8	5921.9
27.5°	6183.9	6148.2	5898.1	5588.6	5329.0	5290.9	5274.3	5343.3	5552.9	6126.7
30°	7017.3	6983.9	6714.9	6310.1	5950.5	5888.6	5731.5	5695.7	5850.5	6405.3
32.5°	7931.6	7910.2	7588.8	7098.2	6617.2	6545.8	6281.5	6186.3	6307.7	6826.8
35°	8698.4	8679.3	8412.6	7907.8	7319.7	7231.6	6962.5	6855.4	6917.3	7367.3
37.5°	9391.3	9381.8	9153.2	8755.5	8148.3	8041.2	7738.8	7703.1	7691.1	8079.3
40°	10034.2	10010.4	9772.3	9562.7	9112.7	9015.1	8748.4	8717.4	8626.9	8955.5
42.5°	10746.2	10684.3	10339.0	10241.4	10119.9	10039.0	9879.4	9884.2	9684.2	9943.7
45°	11327.2	11291.5	10936.7	10879.5	11010.5	10977.2	11115.3	11151.0	10762.8	10979.5
47.5°	11951.0	11917.7	11617.7	11577.2	11932.0	11941.5	12429.7	12441.6	11815.3	12055.8
50°	12720.2	12672.5	12374.9	12424.9	12822.5	12858.3	13751.2	13670.2	12784.5	13148.8
52.5°	13227.3	13255.9	13191.6	13272.6	13815.5	13848.8	15051.3	14844.2	13744.1	14227.4
55°	13601.2	13658.3	13858.4	14044.1	14863.2	14896.5	16277.6	15960.9	14539.4	15227.5
57.5°	14082.2	14001.2	14375.1	14737.0	15858.5	15946.6	17470.6	17037.2	15244.2	16089.5
60°	14772.7	14715.6	15006.1	15541.8	16972.9	17113.4	18732.6	18006.3	15760.9	16772.9
62.5°	16172.8	16030.0	16075.2	16549.1	18377.8	18563.5	20156.5	18851.6	16018.1	17039.6
65°	18265.9	18020.6	17792.0	18120.6	20356.5	20539.9	21763.8	19516.0	15922.8	16522.9
67.5°	20901.8	20658.9	20378.0	20687.5	23271.1	23416.3	23747.3	19889.8	15172.8	14532.2
70°	23075.8	22985.3	23321.1	24595.0	27926.3	27931.0	26290.4	19580.3	13117.8	10303.3
72.5°	22787.7	22732.9	24502.1	28440.6	33793.4	33667.2	28697.7	17237.2	8836.5	4648.0
75°	18694.5	19049.3	21790.0	28371.5	35900.8	35884.1	27223.8	10958.1	3655.1	1926.4
77.5°	10024.7	10586.6	14146.5	20947.1	28026.3	28447.7	19139.8	3833.7	1569.2	1233.4
80°	3269.3	3759.9	5638.6	10665.2	18211.1	18132.5	8203.1	1504.9	1073.9	873.9
82.5°	1388.2	1445.4	2519.3	5036.2	9346.1	9200.8	2612.1	864.4	754.8	597.7
85°	542.9	607.2	1112.0	2328.8	4048.0	3959.9	942.9	428.6	483.4	390.5
87.5°	178.6	216.7	397.7	797.7	1259.6	1214.4	231.0	147.6	209.5	178.6
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°
5869.6	0°	5869.6	5869.6	5869.6	5869.6	5869.6	5869.6	5869.6	5869.6	5869.6	5869.6
5886.2	2.5°	5919.6	5957.7	6002.9	6069.6	6126.7	6174.3	6224.4	6255.3	6267.2	6302.9
5895.8	5°	5962.4	6045.8	6157.7	6267.2	6374.4	6438.7	6495.8	6524.4	6550.6	6569.6
5921.9	7.5°	6033.9	6141.0	6317.2	6460.1	6550.6	6603.0	6641.1	6631.5	6641.1	6645.8
5950.5	10°	6095.8	6245.8	6455.3	6591.1	6660.1	6662.5	6653.0	6619.6	6603.0	6605.3
5993.4	12.5°	6169.6	6336.3	6562.5	6676.8	6695.8	6643.4	6603.0	6545.8	6524.4	6514.9
6057.7	15°	6269.6	6460.1	6679.2	6722.0	6674.4	6607.7	6538.7	6445.8	6398.2	6360.1
6167.2	17.5°	6391.0	6600.6	6769.6	6738.7	6636.3	6526.8	6414.8	6274.4	6176.7	6136.3
6317.2	20°	6560.1	6748.2	6838.7	6703.0	6548.2	6381.5	6191.0	6019.6	5929.1	5888.6
6507.7	22.5°	6764.9	6945.8	6905.4	6641.1	6422.0	6155.3	5917.2	5791.0	5745.7	5717.2
6753.0	25°	7010.1	7164.9	6953.0	6550.6	6214.8	5855.3	5671.9	5631.4	5610.0	5588.6
7053.0	27.5°	7329.2	7412.6	6988.7	6417.2	5891.0	5536.2	5469.5	5476.7	5469.5	5433.8
7469.7	30°	7750.7	7734.0	7022.0	6200.5	5519.5	5248.1	5252.8	5283.8	5288.6	5264.7
8050.7	32.5°	8305.5	8136.4	7038.7	5919.6	5164.7	4995.7	5000.4	5033.8	5057.6	5017.1
8810.3	35°	8977.0	8605.5	7012.5	5567.2	4890.9	4755.2	4719.5	4729.0	4736.1	4698.0
9731.8	37.5°	9760.4	9131.8	6895.8	5176.6	4664.7	4519.4	4443.2	4379.0	4340.9	4305.1
10774.8	40°	10620.0	9705.6	6681.5	4795.7	4412.3	4269.4	4155.1	4033.7	3905.1	3857.5
11879.6	42.5°	11520.1	10296.1	6422.0	4431.3	4121.8	4005.1	3883.7	3707.5	3514.6	3417.0
13027.3	45°	12453.5	10901.0	6167.2	4071.8	3824.1	3774.1	3633.7	3421.7	3212.2	3088.4
14177.4	47.5°	13367.8	11472.4	5793.4	3709.8	3545.5	3600.3	3490.8	3295.5	3062.2	2866.9
15318.0	50°	14241.7	12008.2	5181.4	3343.1	3319.3	3547.9	3443.2	3162.2	2895.5	2645.5
16437.2	52.5°	15108.5	12441.6	4398.0	3009.8	3197.9	3533.6	3381.2	3071.7	2745.5	2483.6
17489.6	55°	15844.2	12665.4	3643.2	2724.0	3021.7	3412.2	3307.4	2964.5	2533.6	2255.0
18211.1	57.5°	16263.3	12484.4	3014.5	2443.1	2778.8	3212.2	3181.2	2736.0	2281.2	2066.8
18351.6	60°	16082.4	11751.0	2500.2	2197.8	2547.8	2995.5	2962.2	2509.7	2088.3	1885.9
17599.2	62.5°	15084.7	10353.3	2093.0	1983.5	2338.3	2774.1	2743.1	2335.9	1940.6	1745.4
15601.4	65°	13075.0	8422.2	1776.3	1804.9	2126.4	2507.4	2552.6	2190.7	1824.0	1633.5
12070.1	67.5°	9972.3	6100.5	1528.7	1650.1	1919.2	2245.4	2376.4	2085.9	1726.3	1545.4
6983.9	70°	5683.8	3464.6	1319.2	1500.1	1735.9	2002.6	2240.7	2002.6	1621.6	1471.6
2616.9	72.5°	2155.0	1590.6	1140.6	1350.1	1559.7	1797.8	2090.7	1871.6	1500.1	1388.2
1352.5	75°	1150.1	969.1	959.6	1173.9	1357.3	1597.8	1902.5	1743.0	1409.6	1466.8
935.8	77.5°	783.4	685.8	802.5	1004.8	1135.8	1376.3	1702.5	1547.8	1221.5	1216.8
647.7	80°	542.9	485.8	652.4	809.6	878.6	1157.2	1485.8	1328.7	995.3	928.7
400.0	82.5°	326.2	316.7	488.1	604.8	621.5	892.9	1231.1	1114.4	814.4	709.6
238.1	85°	178.6	188.1	311.9	354.8	361.9	623.9	964.4	862.0	626.2	526.2
85.7	87.5°	50.0	64.3	114.3	140.5	173.8	323.8	573.9	511.9	314.3	219.1
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>
5869.6
6300.6
6574.4
6653.0
6610.1
6510.1
6372.0
6138.6
5883.8
5721.9
5588.6
5441.0
5276.7
5036.2
4724.2
4328.9
3878.9
3428.9
3078.8
2845.5
2624.0
2455.0
2231.1
2038.3
1857.3
1714.4
1602.5
1516.8
1452.5
1369.2
1514.4
1121.5
888.2
714.3
531.0
219.1
0.0

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