

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: P852667

Luminaire Tested: **GLAN-SB5C-735-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852667  
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-SB5C-735-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

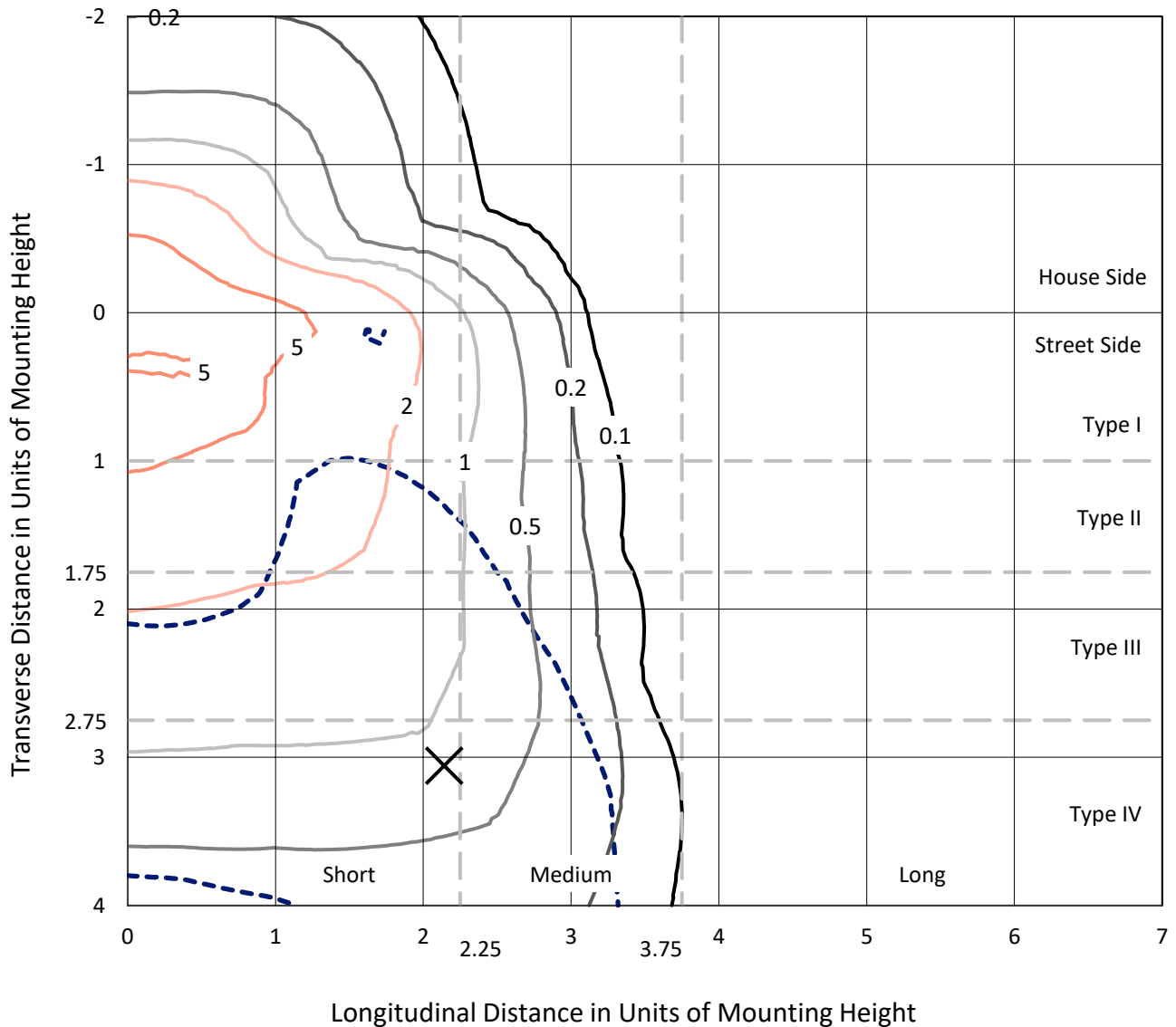
Lumens per Lamp: N/A  
Luminaire Lumens: 36692 lumens  
Efficiency: N/A  
Efficacy: 147.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 249.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

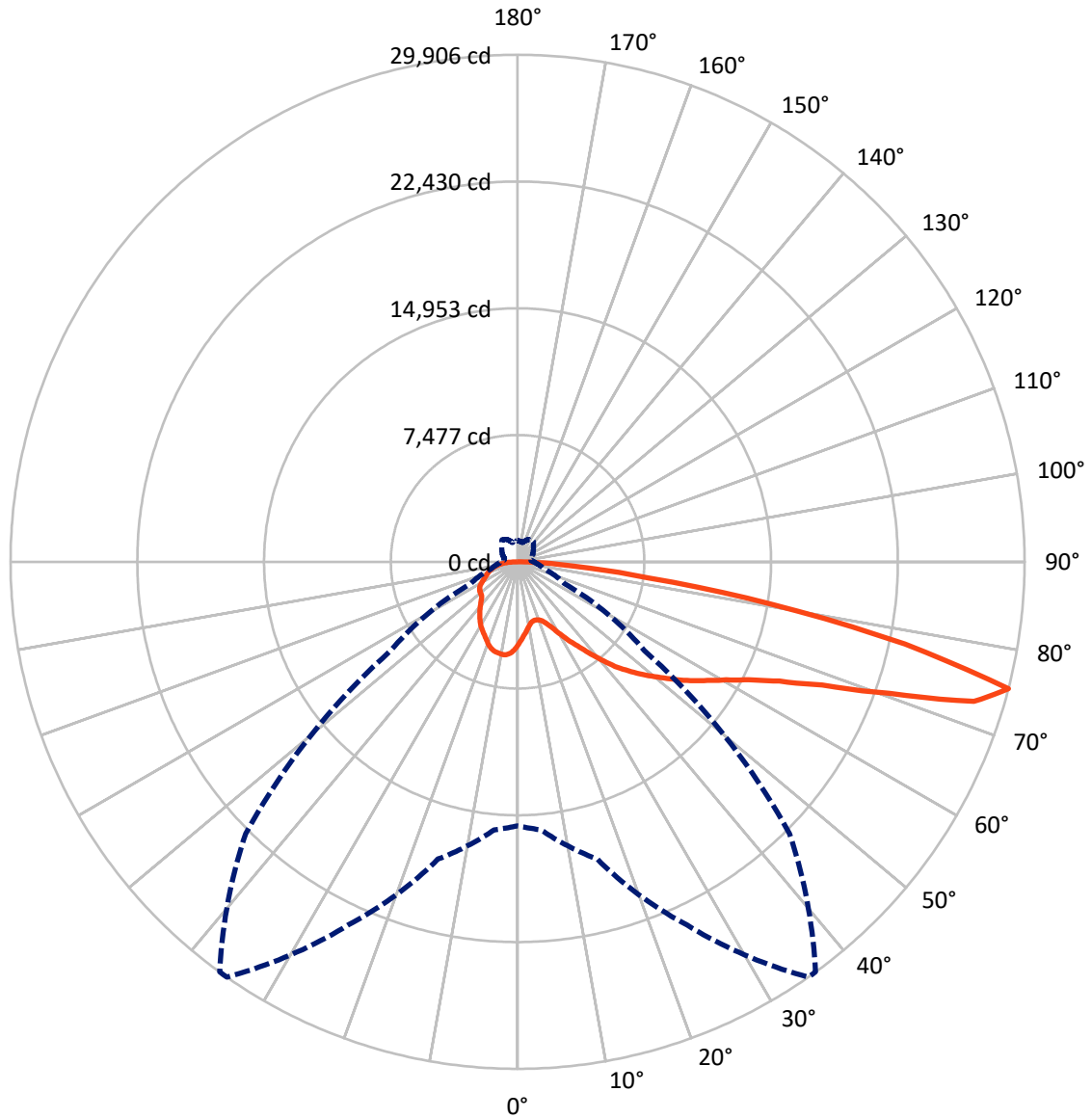
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 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	8731.8	0.0	8731.8
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	27960.2	0.0	27960.2
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	36692.0	0.0	36692.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	462.9	1.3
10°-20°	1335.3	3.6
20°-30°	2242.3	6.1
30°-40°	3484.9	9.5
40°-50°	5172.5	14.1
50°-60°	7140.9	19.5
60°-70°	8663.6	23.6
70°-80°	7159.8	19.5
80°-90°	1029.8	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°	36692.0	100.0
0°-180°	36692.0	100.0

**Coefficient of Utilization**



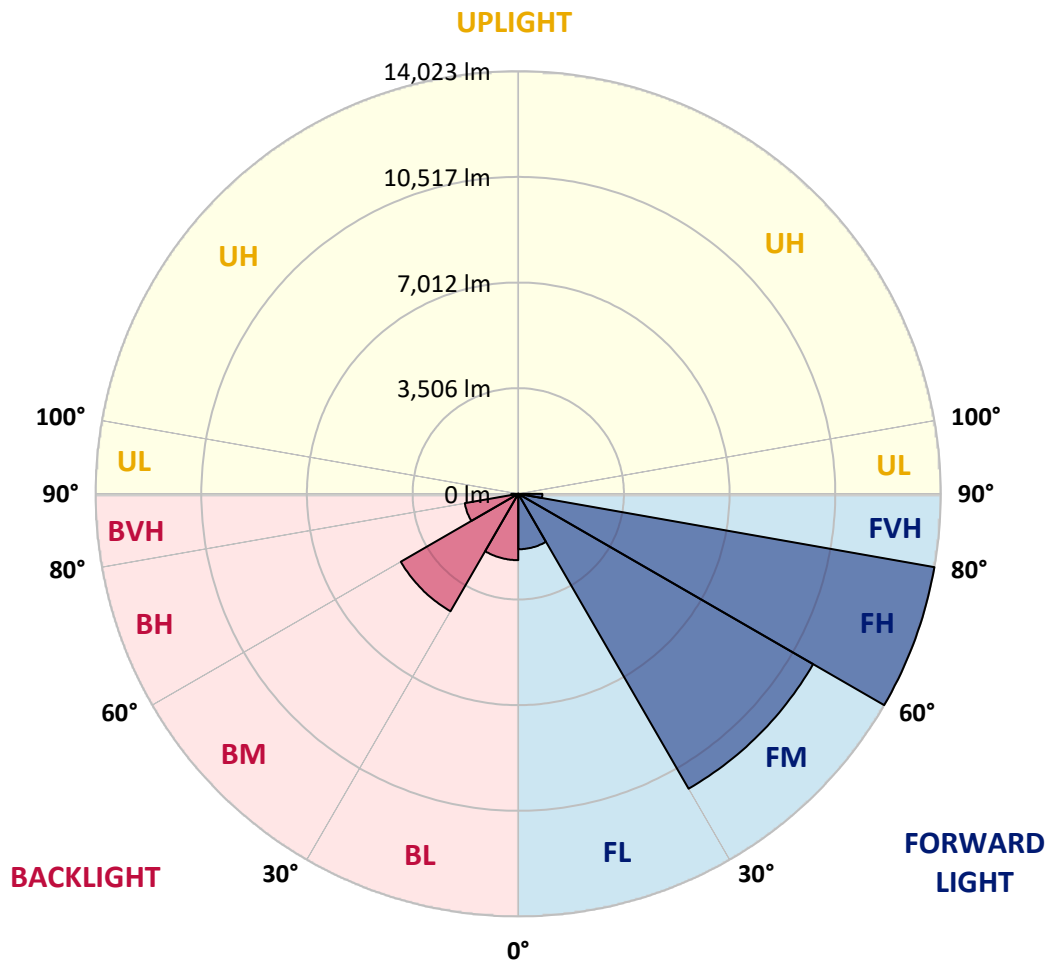
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1840.0	5.0			
FM (30°-60°)	11299.2	30.8			
FH (60°-80°)	14023.1	38.2			G5
FVH (80°-90°)	797.9	2.2			G5
BL (0°-30°)	2200.5	6.0	B3/2500		
BM (30°-60°)	4499.1	12.3	B3/5000		
BH (60°-80°)	1800.2	4.9	B3/2500		G3/2500
BVH (80°-90°)	231.9	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	4889.5	4889.5	4889.5	4889.5	4889.5	4889.5	4889.5	4889.5	4889.5	4889.5
2.5°	4508.6	4536.4	4548.3	4542.3	4572.1	4568.1	4609.8	4661.3	4732.8	4802.2
5°	4161.5	4191.2	4217.0	4240.8	4298.4	4316.2	4381.7	4480.8	4611.8	4744.7
7.5°	3838.2	3864.0	3903.6	3947.3	4044.5	4062.3	4171.4	4326.1	4508.6	4703.0
10°	3574.4	3600.1	3641.8	3691.4	3812.4	3834.2	3973.1	4179.3	4417.4	4663.3
12.5°	3461.3	3469.2	3493.0	3542.6	3647.8	3661.6	3814.4	4050.4	4328.1	4633.6
15°	3455.3	3471.2	3473.2	3499.0	3586.3	3592.2	3733.0	3967.1	4272.6	4627.6
17.5°	3514.9	3526.8	3508.9	3524.8	3598.2	3608.1	3719.2	3927.4	4254.7	4653.4
20°	3673.5	3683.5	3629.9	3608.1	3661.6	3669.6	3778.7	3953.2	4272.6	4707.0
22.5°	4010.7	4016.7	3885.8	3796.5	3800.5	3804.5	3899.7	4058.3	4342.0	4804.2
25°	4536.4	4532.4	4324.1	4151.6	4052.4	4030.6	4094.1	4228.9	4459.0	4933.1
27.5°	5151.3	5121.5	4913.3	4655.4	4439.2	4407.5	4393.6	4451.1	4625.6	5103.7
30°	5845.5	5817.8	5593.6	5256.4	4956.9	4905.3	4774.4	4744.7	4873.6	5335.8
32.5°	6607.2	6589.4	6321.6	5913.0	5512.3	5452.8	5232.6	5153.3	5254.4	5686.8
35°	7245.9	7230.0	7007.9	6587.4	6097.4	6024.0	5799.9	5710.6	5762.2	6137.1
37.5°	7823.1	7815.2	7624.8	7293.5	6787.7	6698.5	6446.5	6416.8	6406.9	6730.2
40°	8358.7	8338.9	8140.5	7965.9	7591.1	7509.7	7287.6	7261.8	7186.4	7460.1
42.5°	8951.8	8900.2	8612.6	8531.3	8430.1	8362.7	8229.8	8233.7	8067.1	8283.3
45°	9435.8	9406.0	9110.5	9062.9	9171.9	9144.2	9259.2	9289.0	8965.7	9146.2
47.5°	9955.5	9927.7	9677.8	9644.0	9939.6	9947.5	10354.1	10364.1	9842.4	10042.7
50°	10596.1	10556.5	10308.5	10350.2	10681.4	10711.2	11455.0	11387.6	10649.7	10953.2
52.5°	11018.6	11042.4	10988.9	11056.3	11508.6	11536.3	12538.0	12365.5	11449.1	11851.7
55°	11330.1	11377.7	11544.3	11699.0	12381.3	12409.1	13559.6	13295.8	12111.6	12684.8
57.5°	11730.7	11663.3	11974.7	12276.2	13210.5	13283.9	14553.3	14192.3	12698.7	13402.9
60°	12306.0	12258.4	12500.3	12946.6	14138.8	14255.8	15604.6	14999.6	13129.1	13972.1
62.5°	13472.3	13353.3	13391.0	13785.7	15309.1	15463.8	16790.8	15703.8	13343.4	14194.3
65°	15215.8	15011.5	14821.1	15094.8	16957.4	17110.1	18129.7	16257.2	13264.0	13763.9
67.5°	17411.6	17209.3	16975.2	17233.1	19385.3	19506.3	19782.0	16568.6	12639.2	12105.6
70°	19222.6	19147.2	19426.9	20488.1	23263.1	23267.1	21900.4	16310.8	10927.4	8582.8
72.5°	18982.6	18937.0	20410.8	23691.6	28150.6	28045.5	23905.8	14358.9	7361.0	3871.9
75°	15572.9	15868.4	18151.5	23634.0	29906.0	29892.1	22678.0	9128.3	3044.8	1604.7
77.5°	8350.8	8818.9	11784.3	17449.3	23346.4	23697.5	15943.8	3193.5	1307.2	1027.5
80°	2723.4	3132.0	4697.1	8884.3	15170.2	15104.8	6833.3	1253.6	894.6	728.0
82.5°	1156.4	1204.0	2098.6	4195.2	7785.4	7664.4	2176.0	720.0	628.8	497.9
85°	452.2	505.8	926.3	1939.9	3372.0	3298.6	785.5	357.0	402.7	325.3
87.5°	148.8	180.5	331.3	664.5	1049.3	1011.6	192.4	123.0	174.6	148.8
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°
4889.5	0°	4889.5	4889.5	4889.5	4889.5	4889.5	4889.5	4889.5	4889.5	4889.5	4889.5
4903.3	2.5°	4931.1	4962.8	5000.5	5056.1	5103.7	5143.4	5185.0	5210.8	5220.7	5250.5
4911.3	5°	4966.8	5036.2	5129.5	5220.7	5310.0	5363.5	5411.1	5434.9	5456.8	5472.6
4933.1	7.5°	5026.3	5115.6	5262.4	5381.4	5456.8	5500.4	5532.1	5524.2	5532.1	5536.1
4956.9	10°	5077.9	5202.9	5377.4	5490.5	5548.0	5550.0	5542.0	5514.3	5500.4	5502.4
4992.6	12.5°	5139.4	5278.2	5466.7	5561.9	5577.7	5534.1	5500.4	5452.8	5434.9	5427.0
5046.2	15°	5222.7	5381.4	5563.9	5599.6	5559.9	5504.4	5446.8	5369.5	5329.8	5298.1
5137.4	17.5°	5323.9	5498.4	5639.2	5613.5	5528.2	5436.9	5343.7	5226.7	5145.3	5111.6
5262.4	20°	5464.7	5621.4	5696.8	5583.7	5454.8	5315.9	5157.2	5014.4	4939.0	4905.3
5421.0	22.5°	5635.3	5786.0	5752.3	5532.1	5349.6	5127.5	4929.1	4824.0	4786.3	4762.5
5625.4	25°	5839.6	5968.5	5792.0	5456.8	5177.1	4877.6	4724.8	4691.1	4673.2	4655.4
5875.3	27.5°	6105.4	6174.8	5821.7	5345.7	4907.3	4611.8	4556.2	4562.2	4556.2	4526.5
6222.4	30°	6456.5	6442.6	5849.5	5165.2	4597.9	4371.7	4375.7	4401.5	4405.5	4385.6
6706.4	32.5°	6918.6	6777.8	5863.4	4931.1	4302.3	4161.5	4165.5	4193.2	4213.1	4179.3
7339.1	35°	7478.0	7168.6	5841.6	4637.5	4074.2	3961.2	3931.4	3939.3	3945.3	3913.5
8106.8	37.5°	8130.6	7606.9	5744.4	4312.2	3885.8	3764.8	3701.3	3647.8	3616.0	3586.3
8975.6	40°	8846.6	8085.0	5565.8	3994.9	3675.5	3556.5	3461.3	3360.1	3253.0	3213.4
9895.9	42.5°	9596.4	8576.9	5349.6	3691.4	3433.5	3336.3	3235.2	3088.4	2927.7	2846.4
10852.0	45°	10374.0	9080.7	5137.4	3391.9	3185.6	3143.9	3026.9	2850.4	2675.8	2572.7
11810.1	47.5°	11135.7	9556.8	4826.0	3090.4	2953.5	2999.1	2907.9	2745.2	2550.8	2388.2
12760.2	50°	11863.6	10003.1	4316.2	2784.9	2765.1	2955.5	2868.2	2634.2	2412.0	2203.7
13692.5	52.5°	12585.6	10364.1	3663.6	2507.2	2663.9	2943.6	2816.6	2558.8	2287.0	2068.8
14569.2	55°	13198.6	10550.5	3034.8	2269.2	2517.1	2842.4	2755.2	2469.5	2110.5	1878.4
15170.2	57.5°	13547.7	10399.8	2511.2	2035.1	2314.8	2675.8	2650.0	2279.1	1900.2	1721.7
15287.2	60°	13396.9	9788.8	2082.7	1830.8	2122.4	2495.3	2467.5	2090.7	1739.6	1571.0
14660.4	62.5°	12565.8	8624.5	1743.5	1652.3	1947.8	2310.8	2285.1	1945.9	1616.6	1453.9
12996.2	65°	10891.7	7015.8	1479.7	1503.5	1771.3	2088.7	2126.4	1824.9	1519.4	1360.7
10054.6	67.5°	8307.1	5081.9	1273.4	1374.6	1598.7	1870.5	1979.6	1737.6	1438.1	1287.3
5817.8	70°	4734.7	2886.1	1098.9	1249.6	1446.0	1668.2	1866.5	1668.2	1350.8	1225.8
2179.9	72.5°	1795.1	1325.0	950.1	1124.7	1299.2	1497.6	1741.6	1559.1	1249.6	1156.4
1126.7	75°	958.1	807.3	799.4	977.9	1130.6	1331.0	1584.9	1452.0	1174.3	1221.9
779.5	77.5°	652.6	571.3	668.5	837.1	946.2	1146.5	1418.2	1289.3	1017.6	1013.6
539.5	80°	452.2	404.6	543.5	674.4	731.9	964.0	1237.7	1106.8	829.1	773.6
333.2	82.5°	271.7	263.8	406.6	503.8	517.7	743.8	1025.5	928.3	678.4	591.1
198.4	85°	148.8	156.7	259.8	295.5	301.5	519.7	803.3	718.0	521.7	438.4
71.4	87.5°	41.7	53.6	95.2	117.0	144.8	269.8	478.0	426.5	261.8	182.5
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>
4889.5
5248.5
5476.6
5542.0
5506.3
5423.0
5308.0
5113.6
4901.4
4766.5
4655.4
4532.4
4395.6
4195.2
3935.4
3606.1
3231.2
2856.3
2564.7
2370.3
2185.9
2045.0
1858.6
1697.9
1547.2
1428.2
1334.9
1263.5
1210.0
1140.5
1261.5
934.3
739.9
595.1
442.3
182.5
0.0

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