

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: P852701

Luminaire Tested: **GLAN-SB5D-735-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852701  
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-SB5D-735-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

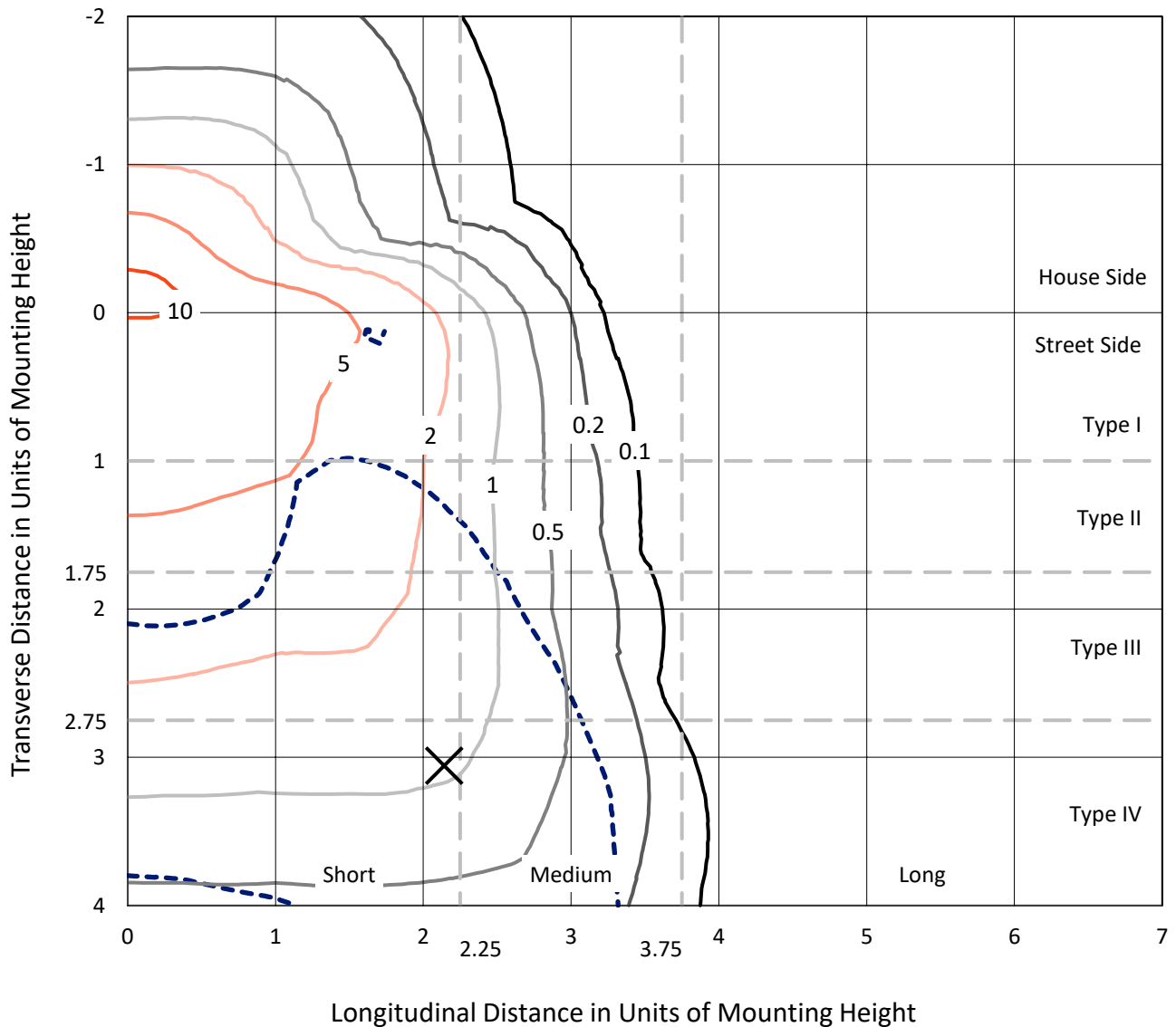
Lumens per Lamp: N/A  
Luminaire Lumens: 49856 lumens  
Efficiency: N/A  
Efficacy: 136.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B4 - U0 - G5  
  
Input Watts (W): 364.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

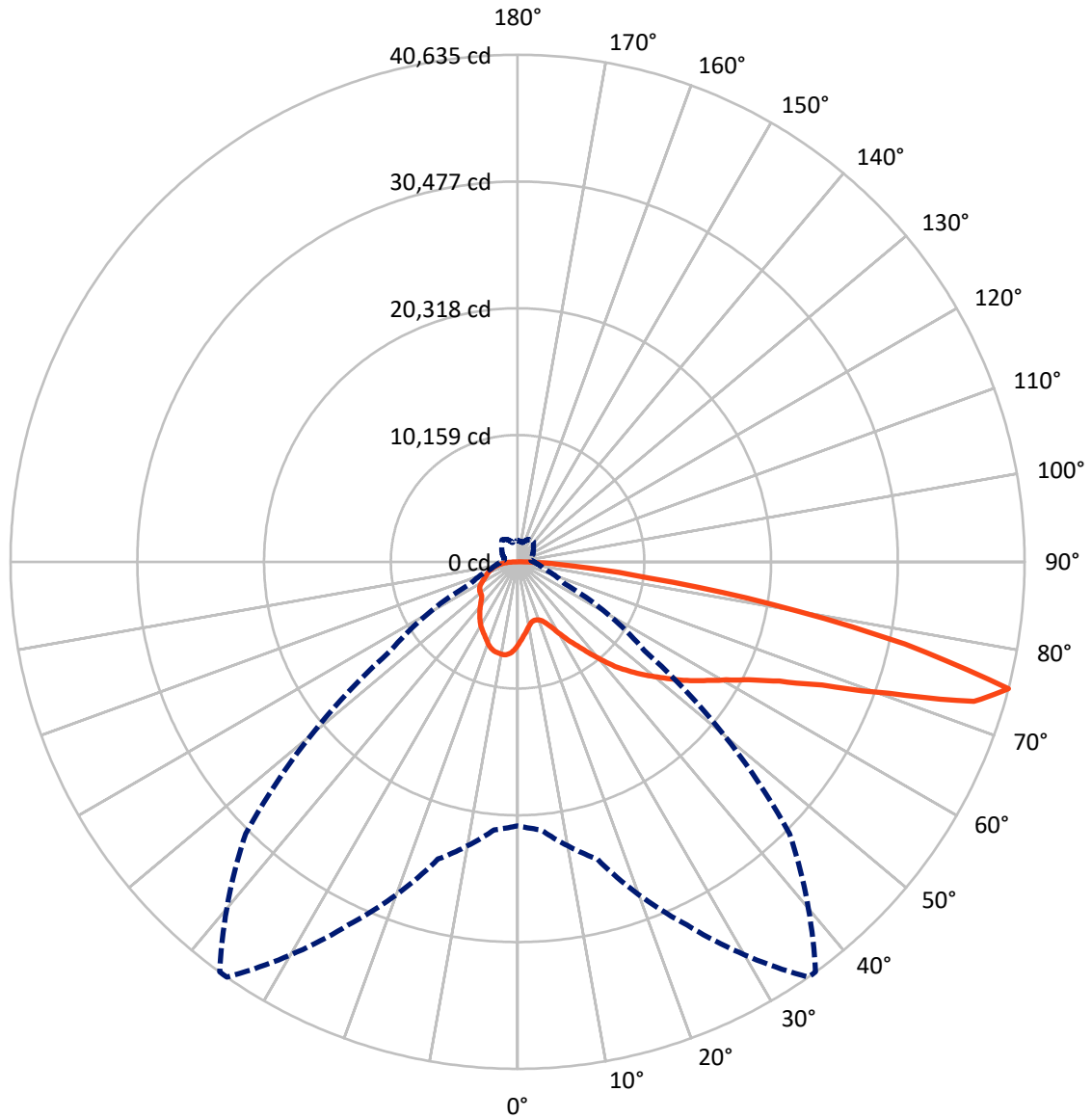
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.8 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	11864.5	0.0	11864.5
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	37991.5	0.0	37991.5
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	49856.0	0.0	49856.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	629.0	1.3
10°-20°	1814.4	3.6
20°-30°	3046.8	6.1
30°-40°	4735.1	9.5
40°-50°	7028.2	14.1
50°-60°	9702.9	19.5
60°-70°	11771.8	23.6
70°-80°	9728.5	19.5
80°-90°	1399.3	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°	49856.0	100.0
0°-180°	49856.0	100.0

**Coefficient of Utilization**

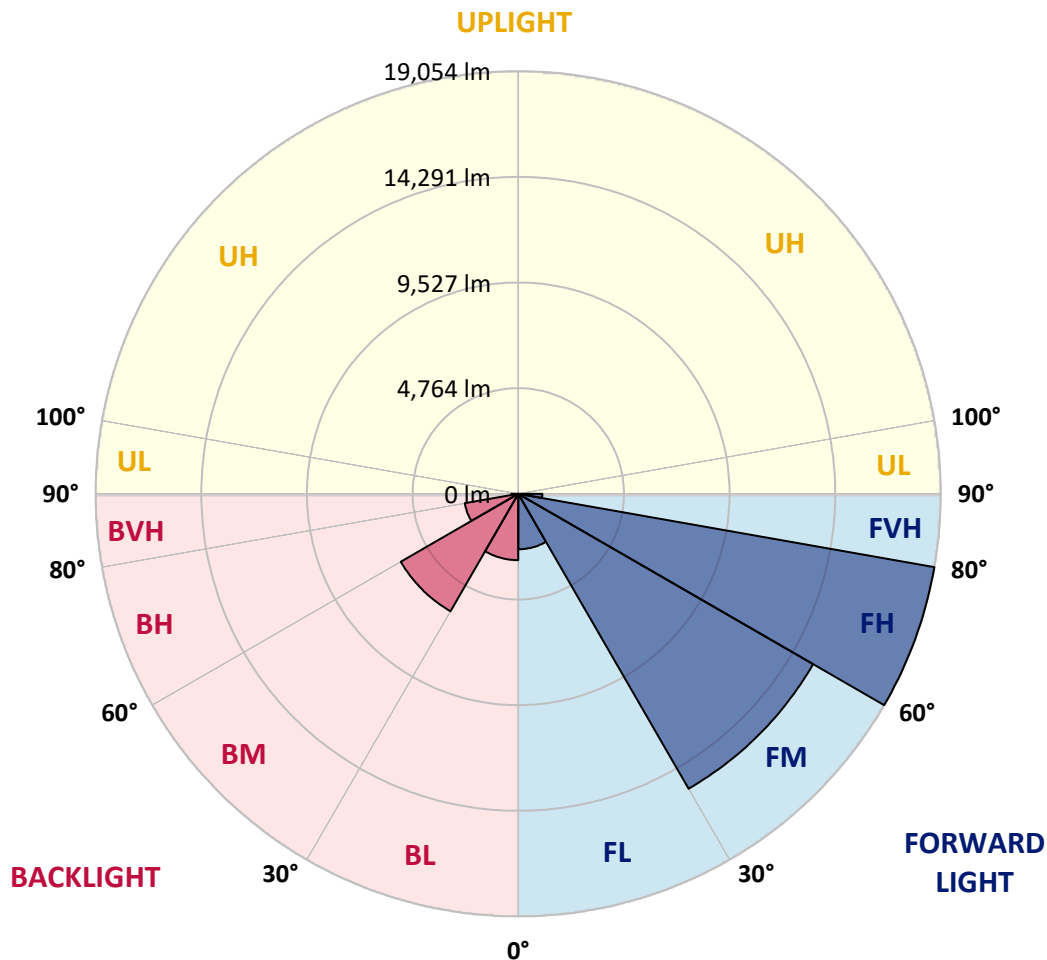


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2500.2	5.0			
FM (30°-60°)	15352.9	30.8			
FH (60°-80°)	19054.2	38.2			G5
FVH (80°-90°)	1084.2	2.2			G5
BL (0°-30°)	2990.0	6.0	B4/5000		
BM (30°-60°)	6113.3	12.3	B4/8500		
BH (60°-80°)	2446.1	4.9	B3/2500		G3/2500
BVH (80°-90°)	315.1	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°	6643.6	6643.6	6643.6	6643.6	6643.6	6643.6	6643.6	6643.6	6643.6	6643.6
2.5°	6126.2	6163.9	6180.1	6172.0	6212.4	6207.0	6263.6	6333.7	6430.7	6525.1
5°	5654.5	5694.9	5730.0	5762.3	5840.5	5864.7	5953.7	6088.4	6266.3	6446.9
7.5°	5215.2	5250.2	5304.1	5363.4	5495.5	5519.8	5668.0	5878.2	6126.2	6390.3
10°	4856.7	4891.8	4948.4	5015.8	5180.2	5209.8	5398.5	5678.8	6002.2	6336.4
12.5°	4703.1	4713.9	4746.2	4813.6	4956.5	4975.3	5182.9	5503.6	5880.9	6296.0
15°	4695.0	4716.6	4719.3	4754.3	4872.9	4881.0	5072.4	5390.4	5805.4	6287.9
17.5°	4775.9	4792.1	4767.8	4789.4	4889.1	4902.6	5053.5	5336.5	5781.2	6322.9
20°	4991.5	5005.0	4932.2	4902.6	4975.3	4986.1	5134.3	5371.5	5805.4	6395.7
22.5°	5449.7	5457.8	5279.9	5158.6	5164.0	5169.4	5298.7	5514.4	5899.8	6527.8
25°	6163.9	6158.5	5875.5	5641.0	5506.3	5476.6	5562.9	5746.2	6058.8	6702.9
27.5°	6999.4	6959.0	6676.0	6325.6	6031.8	5988.7	5969.9	6048.0	6285.2	6934.7
30°	7942.7	7905.0	7600.4	7142.3	6735.3	6665.2	6487.3	6446.9	6622.1	7250.1
32.5°	8977.7	8953.4	8589.6	8034.4	7489.9	7409.1	7109.9	7002.1	7139.6	7727.1
35°	9845.5	9824.0	9522.1	8950.7	8285.0	8185.3	7880.7	7759.5	7829.5	8338.9
37.5°	10629.8	10619.1	10360.3	9910.2	9222.9	9101.7	8759.4	8718.9	8705.5	9144.8
40°	11357.5	11330.6	11061.1	10823.9	10314.5	10204.0	9902.1	9867.1	9764.7	10136.6
42.5°	12163.4	12093.3	11702.5	11592.0	11454.6	11362.9	11182.4	11187.7	10961.3	11255.1
45°	12821.0	12780.6	12379.0	12314.3	12462.6	12424.8	12581.2	12621.6	12182.3	12427.5
47.5°	13527.2	13489.4	13149.8	13104.0	13505.6	13516.4	14068.9	14082.4	13373.5	13645.8
50°	14397.7	14343.8	14006.9	14063.5	14513.6	14554.0	15564.7	15473.1	14470.5	14882.9
52.5°	14971.8	15004.1	14931.4	15023.0	15637.5	15675.2	17036.3	16801.8	15556.7	16103.8
55°	15394.9	15459.6	15686.0	15896.2	16823.4	16861.1	18424.3	18065.9	16456.8	17235.8
57.5°	15939.4	15847.7	16270.9	16680.5	17950.0	18049.7	19774.6	19284.1	17254.6	18211.4
60°	16721.0	16656.3	16985.1	17591.5	19211.3	19370.3	21203.1	20381.0	17839.5	18984.9
62.5°	18305.7	18144.0	18195.2	18731.6	20801.5	21011.7	22814.8	21337.8	18130.6	19286.8
65°	20674.8	20397.2	20138.5	20510.4	23041.2	23248.7	24634.1	22089.8	18022.8	18701.9
67.5°	23658.4	23383.5	23065.5	23415.8	26340.1	26504.5	26879.2	22512.9	17173.8	16448.8
70°	26119.1	26016.7	26396.7	27838.6	31609.2	31614.6	29757.6	22162.6	14847.8	11662.1
72.5°	25793.0	25731.0	27733.5	32191.4	38250.2	38107.3	32482.5	19510.5	10001.9	5261.0
75°	21160.0	21561.5	24663.7	32113.2	40635.4	40616.5	30814.1	12403.3	4137.1	2180.4
77.5°	11346.8	11982.8	16012.1	23709.6	31722.4	32199.5	21664.0	4339.3	1776.1	1396.1
80°	3700.5	4255.7	6382.2	12071.8	20612.8	20523.9	9284.9	1703.4	1215.5	989.1
82.5°	1571.3	1636.0	2851.5	5700.3	10578.6	10414.2	2956.6	978.4	854.4	676.5
85°	614.5	687.3	1258.7	2635.9	4581.8	4482.1	1067.3	485.1	547.1	442.0
87.5°	202.1	245.3	450.1	902.9	1425.8	1374.5	261.4	167.1	237.2	202.1
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°
6643.6	0°	6643.6	6643.6	6643.6	6643.6	6643.6	6643.6	6643.6	6643.6	6643.6	6643.6
6662.5	2.5°	6700.2	6743.4	6794.6	6870.0	6934.7	6988.6	7045.2	7080.3	7093.7	7134.2
6673.3	5°	6748.8	6843.1	6969.8	7093.7	7215.0	7287.8	7352.5	7384.8	7414.5	7436.0
6702.9	7.5°	6829.6	6950.9	7150.3	7312.1	7414.5	7473.8	7516.9	7506.1	7516.9	7522.3
6735.3	10°	6899.7	7069.5	7306.7	7460.3	7538.5	7541.1	7530.4	7492.6	7473.8	7476.5
6783.8	12.5°	6983.2	7171.9	7428.0	7557.3	7578.9	7519.6	7473.8	7409.1	7384.8	7374.0
6856.6	15°	7096.4	7312.1	7560.0	7608.5	7554.6	7479.2	7401.0	7295.9	7242.0	7198.9
6980.5	17.5°	7233.9	7471.1	7662.4	7627.4	7511.5	7387.5	7260.8	7101.8	6991.3	6945.5
7150.3	20°	7425.3	7638.2	7740.6	7587.0	7411.8	7223.1	7007.5	6813.4	6711.0	6665.2
7366.0	22.5°	7657.0	7861.9	7816.1	7516.9	7268.9	6967.1	6697.6	6554.7	6503.5	6471.2
7643.6	25°	7934.6	8109.8	7870.0	7414.5	7034.5	6627.5	6419.9	6374.1	6349.9	6325.6
7983.2	27.5°	8295.8	8390.1	7910.4	7263.5	6667.9	6266.3	6190.9	6198.9	6190.9	6150.4
8454.8	30°	8772.9	8754.0	7948.1	7018.3	6247.5	5940.2	5945.6	5980.6	5986.0	5959.1
9112.4	32.5°	9400.8	9209.5	7967.0	6700.2	5845.9	5654.5	5659.9	5697.6	5724.6	5678.8
9972.2	35°	10160.9	9740.4	7937.3	6301.4	5535.9	5382.3	5341.9	5352.7	5360.7	5317.6
11015.3	37.5°	11047.6	10336.1	7805.3	5859.3	5279.9	5115.5	5029.2	4956.5	4913.3	4872.9
12195.7	40°	12020.6	10985.6	7562.7	5428.1	4994.2	4832.5	4703.1	4565.7	4420.1	4366.2
13446.3	42.5°	13039.3	11654.0	7268.9	5015.8	4665.4	4533.3	4395.9	4196.4	3978.1	3867.6
14745.4	45°	14095.9	12338.6	6980.5	4608.8	4328.5	4271.9	4112.9	3873.0	3635.8	3495.7
16047.2	47.5°	15130.8	12985.4	6557.4	4199.1	4013.1	4075.1	3951.2	3730.1	3466.0	3245.0
17338.2	50°	16119.9	13591.9	5864.7	3784.1	3757.1	4015.8	3897.2	3579.2	3277.4	2994.4
18604.9	52.5°	17101.0	14082.4	4978.0	3406.7	3619.6	3999.7	3827.2	3476.8	3107.6	2811.1
19796.2	55°	17933.8	14335.7	4123.6	3083.3	3420.2	3862.2	3743.6	3355.5	2867.7	2552.3
20612.8	57.5°	18408.2	14130.9	3412.1	2765.3	3145.3	3635.8	3600.8	3096.8	2582.0	2339.4
20771.8	60°	18203.3	13300.8	2830.0	2487.7	2883.9	3390.6	3352.8	2840.7	2363.7	2134.6
19920.2	62.5°	17074.0	11718.7	2369.1	2245.1	2646.7	3139.9	3104.9	2644.0	2196.6	1975.6
17658.9	65°	14799.3	9532.9	2010.6	2043.0	2406.8	2838.0	2889.2	2479.6	2064.5	1848.9
13661.9	67.5°	11287.5	6905.1	1730.3	1867.8	2172.3	2541.6	2689.8	2361.0	1954.0	1749.2
7905.0	70°	6433.4	3921.5	1493.1	1698.0	1964.8	2266.7	2536.2	2266.7	1835.4	1665.6
2962.0	72.5°	2439.1	1800.4	1291.0	1528.2	1765.4	2034.9	2366.4	2118.4	1698.0	1571.3
1530.9	75°	1301.8	1096.9	1086.2	1328.7	1536.3	1808.5	2153.5	1972.9	1595.6	1660.2
1059.2	77.5°	886.7	776.2	908.3	1137.4	1285.6	1557.8	1927.1	1751.9	1382.6	1377.2
733.1	80°	614.5	549.8	738.5	916.4	994.5	1309.9	1681.8	1503.9	1126.6	1051.1
452.8	82.5°	369.2	358.5	552.5	684.6	703.4	1010.7	1393.4	1261.4	921.8	803.2
269.5	85°	202.1	212.9	353.1	401.6	409.7	706.1	1091.6	975.7	708.8	595.6
97.0	87.5°	56.6	72.8	129.4	159.0	196.7	366.5	649.5	579.5	355.8	248.0
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



<u>180°</u>
6643.6
7131.5
7441.4
7530.4
7481.9
7368.7
7212.3
6948.2
6659.8
6476.5
6325.6
6158.5
5972.5
5700.3
5347.3
4899.9
4390.5
3881.1
3484.9
3220.8
2970.1
2778.7
2525.4
2307.1
2102.3
1940.5
1813.9
1716.8
1644.1
1549.7
1714.1
1269.4
1005.3
808.6
601.0
248.0
0.0

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