

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: P477432

Luminaire Tested: **IFLD-S-SA6C-750-U-T3**

Issue Date: 02/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P477432  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6C-750-U-T3  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3  
distribution lens  
Light Source: (96) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

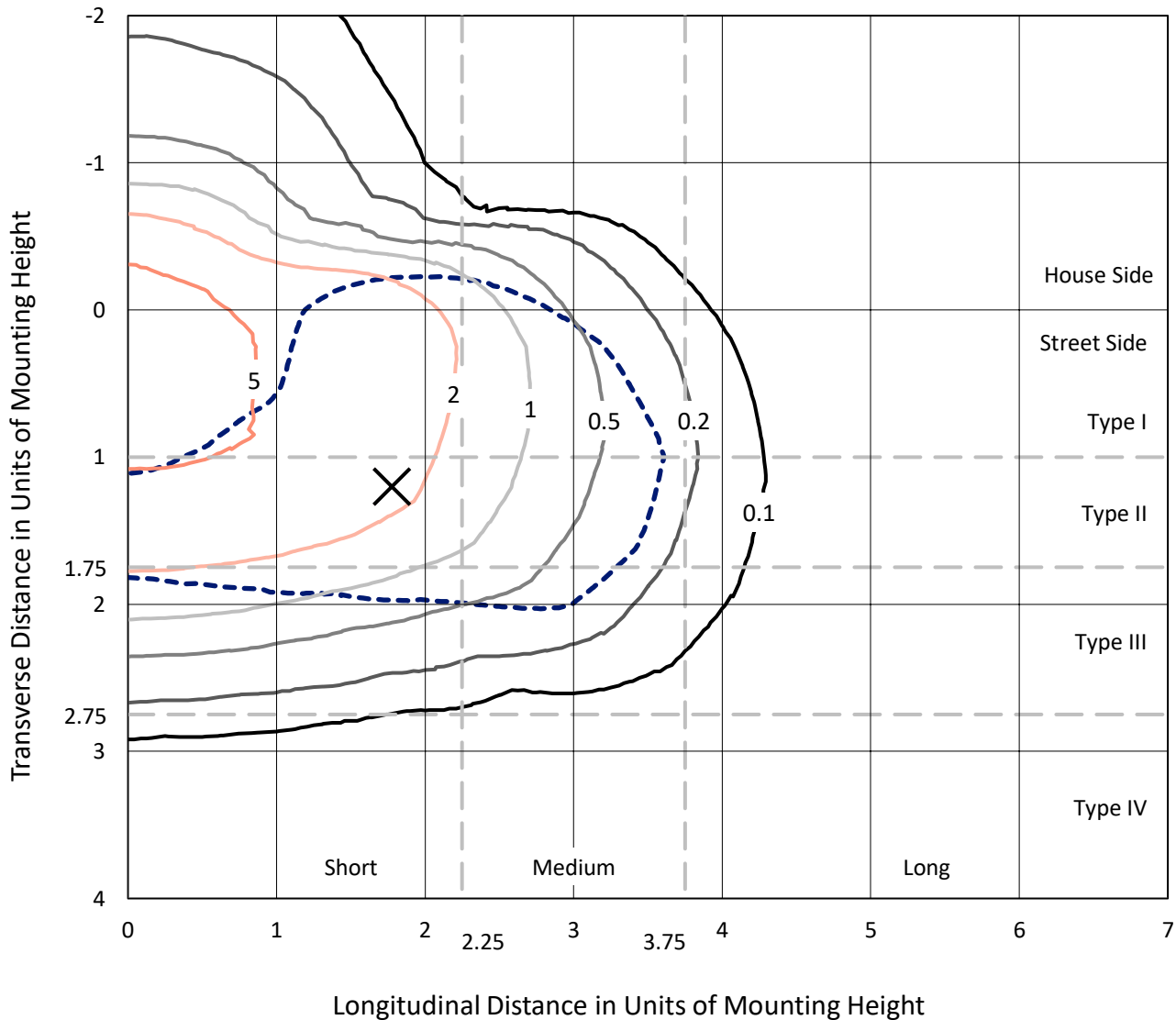
Lumens per Lamp: N/A  
Luminaire Lumens: 43290.5 lumens  
Efficiency: N/A  
Efficacy: 134.7 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.5')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G5

Input Watts (W): 321.5  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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

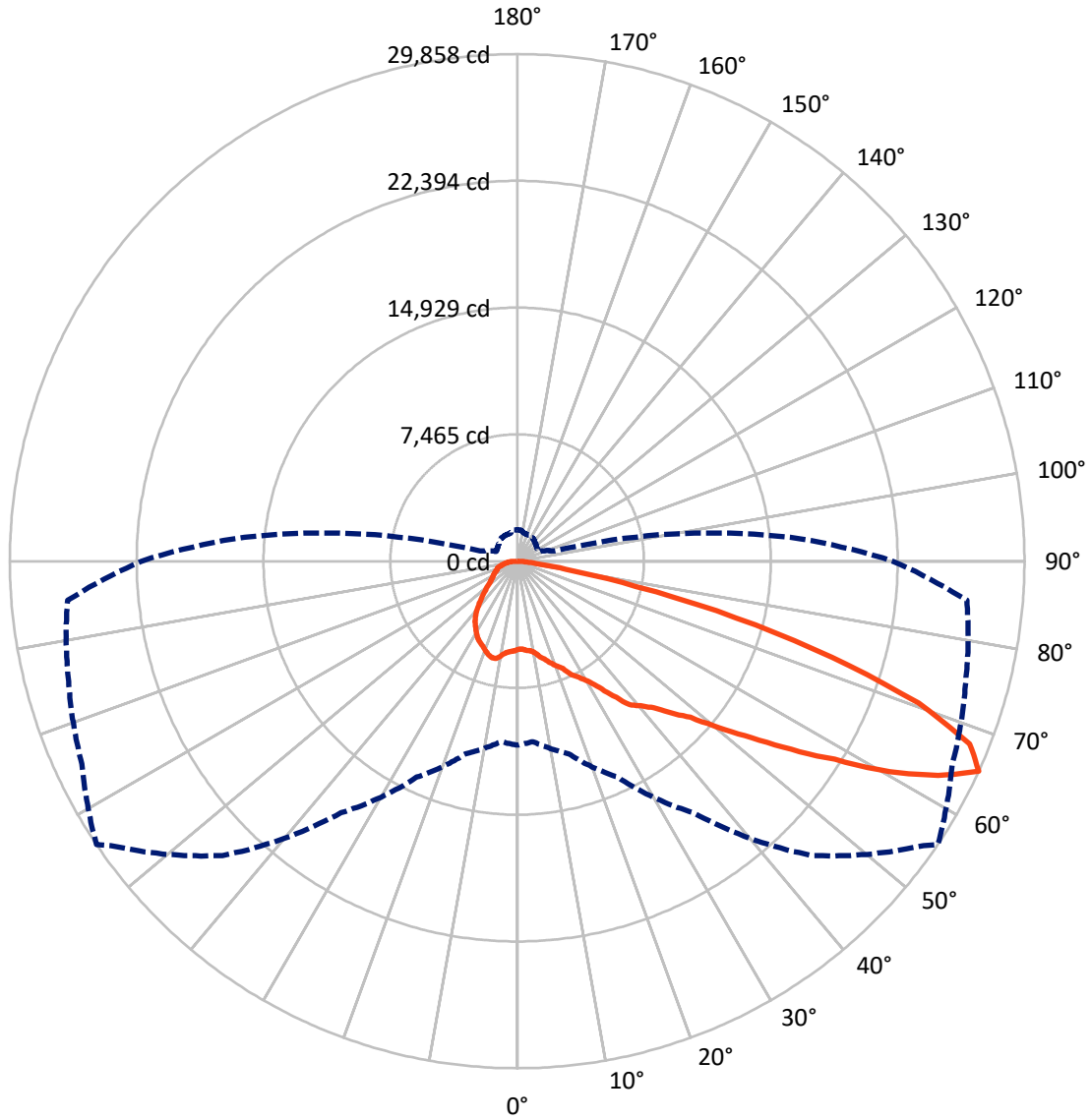
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.7 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9708.7	0.0	9708.7
	% Fixture	22.4	0.0	22.4
<b>Street Side</b>	Lumens	33581.9	0.0	33581.9
	% Fixture	77.6	0.0	77.6
<b>Total</b>	Lumens	43290.5	0.0	43290.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	514.9	1.2
10°-20°	1672.0	3.9
20°-30°	2977.1	6.9
30°-40°	4458.1	10.3
40°-50°	6605.2	15.3
50°-60°	10177.8	23.5
60°-70°	11522.5	26.6
70°-80°	4781.9	11.0
80°-90°	580.9	1.3
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°	43290.5	100.0
0°-180°	43290.5	100.0

**Coefficient of Utilization**

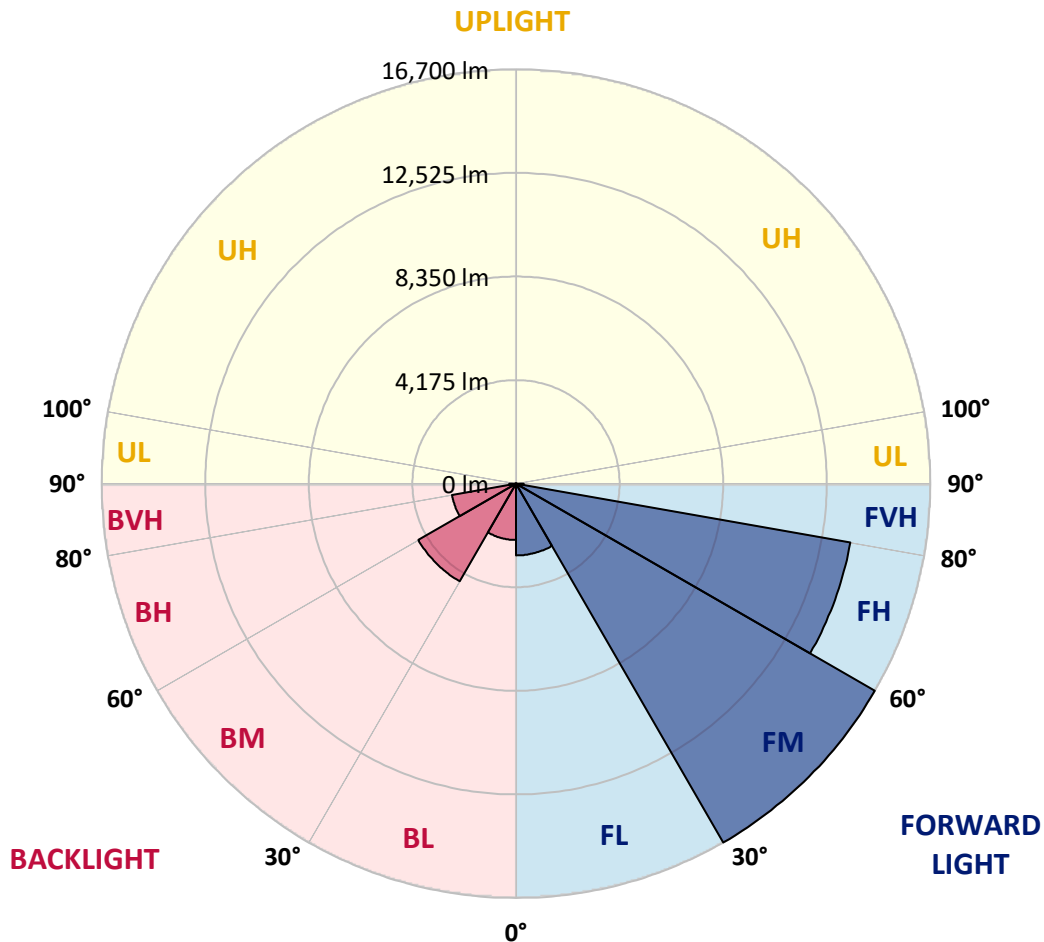


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2893.1	6.7			
FM (30°-60°)	16699.6	38.6			
FH (60°-80°)	13682.8	31.6			G5
FVH (80°-90°)	306.4	0.7			G3/500
BL (0°-30°)	2270.9	5.2	B3/2500		
BM (30°-60°)	4541.5	10.5	B3/5000		
BH (60°-80°)	2621.7	6.1	B4/5000		G4/5000
BVH (80°-90°)	274.5	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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°
0°	5196.1	5196.1	5196.1	5196.1	5196.1	5196.1	5196.1	5196.1	5196.1	5196.1
2.5°	5060.2	5087.4	5069.3	5123.6	5168.9	5168.9	5205.2	5178.0	5214.2	5264.1
5°	5227.8	5119.1	5178.0	5205.2	5191.6	5214.2	5178.0	5268.6	5209.7	5304.8
7.5°	5268.6	5309.4	5359.2	5313.9	5354.7	5332.0	5336.5	5322.9	5291.2	5368.2
10°	5567.6	5508.7	5621.9	5554.0	5544.9	5535.9	5517.7	5449.8	5526.8	5531.3
12.5°	5911.9	5857.5	5853.0	5798.6	5871.1	5739.7	5766.9	5730.7	5744.2	5762.4
15°	6161.0	6138.4	6242.6	6179.1	6084.0	6025.1	6088.5	5988.9	6038.7	6029.6
17.5°	6654.8	6650.3	6573.3	6469.1	6414.7	6328.6	6315.1	6274.3	6310.5	6292.4
20°	6999.1	7048.9	7062.5	6940.2	6731.8	6636.7	6614.0	6582.3	6623.1	6609.5
22.5°	7524.6	7447.6	7506.5	7293.6	7216.6	6990.0	6908.5	6863.2	7058.0	7008.2
25°	7859.8	7941.4	7882.5	7810.0	7637.9	7357.0	7298.1	7397.8	7474.8	7420.4
27.5°	8616.4	8534.8	8480.5	8263.0	8149.8	7855.3	7787.4	7751.1	7769.2	7800.9
30°	9191.7	9237.0	9114.7	8960.7	8675.3	8376.3	8217.7	8186.0	8122.6	8068.2
32.5°	10011.7	9943.7	9871.2	9771.6	9526.9	9132.8	8978.8	8861.0	8670.7	8417.0
35°	10405.8	10600.6	10546.2	10278.9	10093.2	9943.7	9898.4	9717.2	9558.6	9160.0
37.5°	11062.7	11144.2	11067.2	10981.1	10895.0	10736.5	10682.1	10732.0	10419.4	9762.5
40°	11488.5	11660.6	11819.2	11579.1	11561.0	11592.7	11257.5	11198.6	10555.3	10211.0
42.5°	12358.3	12430.8	12462.5	12453.4	12557.6	12557.6	11918.9	11792.0	11334.5	11053.6
45°	13509.0	13567.8	13681.1	13762.6	13644.9	13703.7	12793.2	12743.4	12335.6	12281.3
47.5°	14505.6	14646.0	14899.7	15139.8	15293.8	15094.5	14097.9	13744.5	13640.3	13966.5
50°	15375.4	15207.8	15801.2	16045.8	16720.8	17051.5	15538.5	15398.0	15230.4	15855.6
52.5°	15461.5	15688.0	16526.0	17015.3	18406.1	19017.6	17305.2	17246.3	17042.5	17762.8
55°	16077.6	16050.4	16893.0	17953.0	19606.6	20634.9	19606.6	19570.3	19126.4	19810.4
57.5°	15973.4	16249.7	16915.6	18397.0	20689.3	22370.0	22274.8	22025.7	21405.0	21962.2
60°	15620.0	15692.5	16503.4	18383.4	21319.0	24150.3	25156.0	25205.8	23937.4	24381.3
62.5°	13617.7	13785.3	14813.6	16938.3	20870.5	25378.0	27969.2	27792.6	26777.8	26270.4
65°	10831.6	10664.0	11733.1	14029.9	18079.9	24508.2	29201.4	29858.3	28263.7	27335.0
67.5°	6641.2	6600.5	7628.8	9653.8	13527.1	20856.9	28218.4	28730.3	27851.5	27108.5
70°	3420.3	3316.1	3959.4	5386.4	8503.1	15302.9	24558.0	25060.9	25899.0	24313.4
72.5°	1594.6	1572.0	1916.3	2650.1	4330.8	8996.9	19017.6	19380.0	21146.8	20499.0
75°	937.7	951.3	1146.1	1386.2	2111.1	4240.2	12621.0	13323.2	15239.5	14772.9
77.5°	702.2	702.2	815.4	964.9	1232.2	1639.9	6229.0	7157.7	8910.8	8013.9
80°	516.4	525.5	625.2	724.8	856.2	847.1	2473.5	2899.3	4086.2	3492.8
82.5°	403.2	416.8	484.7	539.1	602.5	511.9	1014.8	1091.8	1680.7	1336.4
85°	280.9	289.9	380.5	366.9	366.9	285.4	421.3	444.0	665.9	634.2
87.5°	68.0	77.0	185.7	203.9	154.0	86.1	131.4	149.5	240.1	276.3
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°
5196.1	0°	5196.1	5196.1	5196.1	5196.1	5196.1	5196.1	5196.1	5196.1	5196.1	5196.1
5286.7	2.5°	5218.8	5236.9	5313.9	5273.1	5295.8	5200.6	5277.6	5214.2	5268.6	5241.4
5327.5	5°	5363.7	5322.9	5368.2	5336.5	5336.5	5372.8	5427.1	5386.4	5467.9	5431.7
5359.2	7.5°	5422.6	5427.1	5454.3	5458.8	5436.2	5549.5	5554.0	5540.4	5617.4	5599.3
5576.6	10°	5567.6	5572.1	5621.9	5649.1	5626.5	5667.2	5621.9	5585.7	5581.2	5563.0
5748.8	12.5°	5798.6	5843.9	5834.9	5857.5	5862.0	5689.9	5585.7	5409.0	5386.4	5409.0
6002.5	15°	6011.5	5993.4	6002.5	6047.8	5857.5	5581.2	5395.4	5245.9	5255.0	5259.5
6333.2	17.5°	6265.2	6278.8	6292.4	6084.0	5735.2	5409.0	5245.9	5245.9	5200.6	5218.8
6564.2	20°	6555.1	6500.8	6383.0	6088.5	5522.3	5209.7	5159.9	5159.9	5105.5	5069.3
6813.4	22.5°	6781.7	6672.9	6496.3	5948.1	5332.0	5132.7	5010.4	4924.3	4860.9	4788.4
7089.7	25°	6926.6	6867.7	6523.4	5803.1	5191.6	4928.8	4747.6	4616.2	4534.7	4439.6
7307.2	27.5°	7148.6	7035.3	6600.5	5635.5	5037.5	4725.0	4444.1	4240.2	4086.2	3986.5
7637.9	30°	7447.6	7284.5	6546.1	5395.4	4802.0	4371.6	4040.9	3778.2	3601.5	3519.9
7950.4	32.5°	7692.2	7479.3	6500.8	5178.0	4539.2	4013.7	3574.3	3307.0	3207.4	3103.2
8475.9	35°	8158.8	7737.5	6469.1	5055.7	4303.7	3655.8	3193.8	2962.7	2835.9	2681.9
8788.5	37.5°	8516.7	8186.0	6392.1	4802.0	4000.1	3307.0	2903.8	2695.4	2505.2	2342.1
9513.3	40°	9078.5	8811.2	6396.6	4444.1	3642.3	3008.0	2677.3	2459.9	2219.8	2079.3
10587.0	42.5°	10134.0	9427.3	6423.8	4158.7	3239.1	2763.4	2473.5	2215.3	1975.2	1857.4
11810.1	45°	11429.6	10274.4	6256.2	3900.5	2826.8	2532.4	2228.8	1970.6	1816.6	1730.5
13472.7	47.5°	12920.0	11103.4	6029.6	3415.7	2482.5	2287.7	2002.3	1852.8	1739.6	1689.8
15615.5	50°	14587.1	12290.3	5966.2	2971.8	2215.3	2079.3	1893.6	1780.4	1703.3	1644.4
18030.1	52.5°	16734.4	13672.0	5839.4	2514.2	1984.2	1911.7	1852.8	1775.8	1707.9	1658.0
20281.5	55°	18786.6	15203.2	5703.5	2138.2	1821.1	1830.2	1861.9	1793.9	1735.1	1658.0
22804.9	57.5°	21097.0	16766.1	5200.6	1861.9	1698.8	1789.4	1852.8	1775.8	1716.9	1658.0
25387.0	60°	22524.0	17645.0	4217.6	1621.8	1590.1	1712.4	1798.5	1716.9	1653.5	1676.2
26573.9	62.5°	23103.8	17182.9	3180.2	1472.3	1513.1	1608.2	1712.4	1680.7	1635.4	1721.5
26560.4	65°	22116.3	16118.3	2274.1	1345.5	1408.9	1504.0	1635.4	1671.6	1685.2	1852.8
24394.9	67.5°	19679.0	14034.5	1671.6	1241.3	1300.2	1440.6	1689.8	1748.6	1739.6	1948.0
20471.8	70°	15746.9	10976.6	1304.7	1155.2	1259.4	1490.4	1766.8	1766.8	1703.3	1948.0
15615.5	72.5°	11456.8	7737.5	1123.5	1055.5	1155.2	1368.1	1757.7	1753.2	1671.6	1780.4
9943.7	75°	6935.7	4503.0	992.1	955.9	992.1	1173.3	1680.7	1653.5	1540.3	1531.2
4783.9	77.5°	3456.5	2265.1	810.9	847.1	865.3	983.0	1476.8	1517.6	1363.6	1327.3
1889.1	80°	1458.7	987.6	675.0	729.4	729.4	829.0	1227.7	1254.9	1132.5	1064.6
747.5	82.5°	665.9	566.3	575.3	634.2	593.5	643.3	974.0	1005.7	919.6	806.4
317.1	85°	280.9	321.6	439.4	498.3	439.4	416.8	670.5	706.7	598.0	498.3
135.9	87.5°	126.8	176.7	276.3	362.4	222.0	194.8	357.9	371.5	299.0	222.0
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°  
5196.1  
5191.6  
5381.8  
5572.1  
5563.0  
5418.1  
5322.9  
5223.3  
5014.9  
4747.6  
4457.7  
4031.8  
3565.2  
3098.6  
2668.3  
2346.6  
2092.9  
1866.4  
1748.6  
1680.7  
1653.5  
1653.5  
1653.5  
1653.5  
1658.0  
1698.8  
*1852.8*  
1961.6  
1907.2  
1716.9  
1513.1  
1304.7  
1041.9  
788.2  
502.8  
208.4  
0.0

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