

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: P637791

Luminaire Tested: **IFLD-S-SA6A-722-U-66-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P637791  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6A-722-U-66-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor  
Light Source: (96) 2200K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16763.7 lumens  
Efficiency: N/A  
Efficacy: 88.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G1

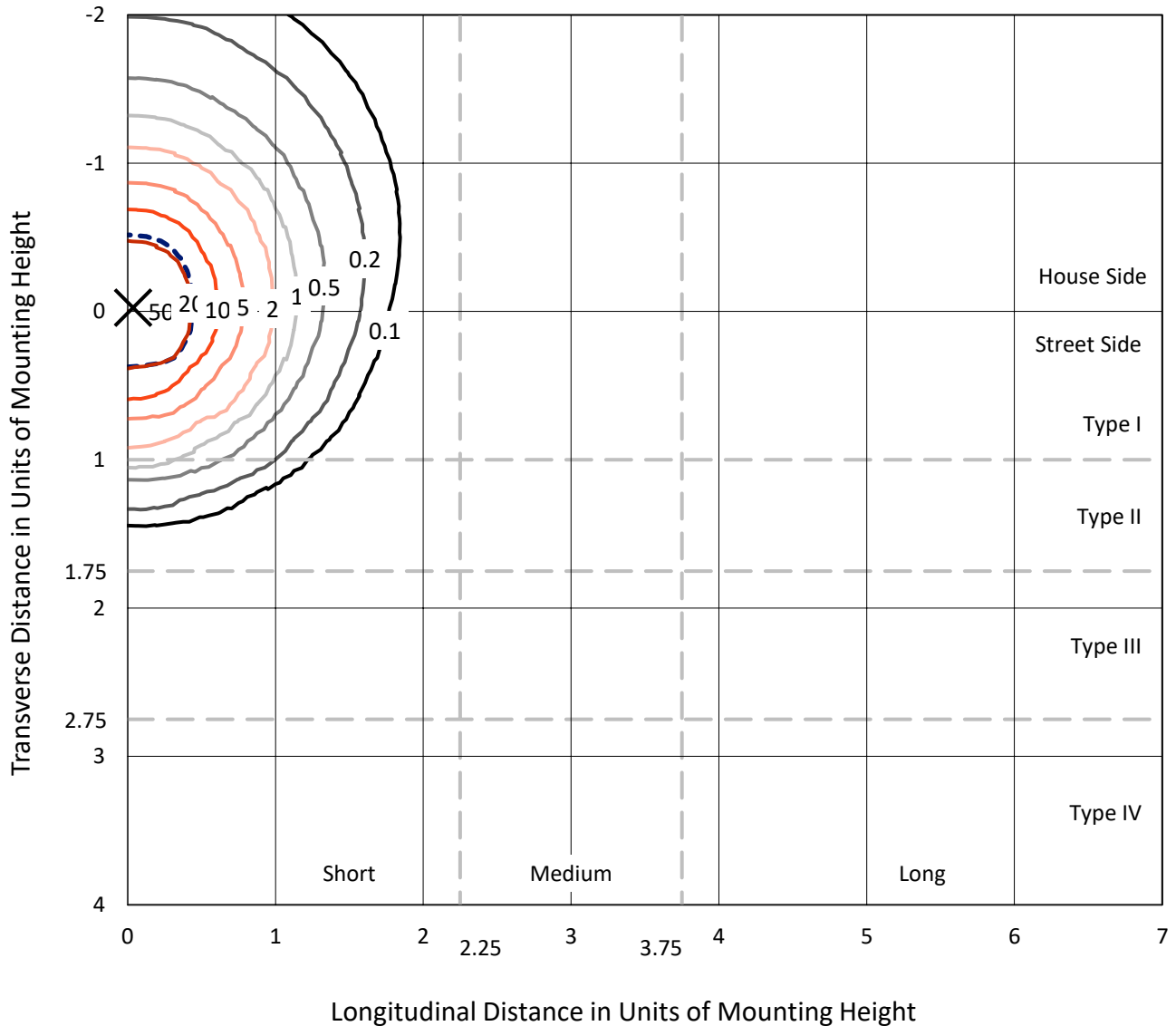
Input Watts (W): 189.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

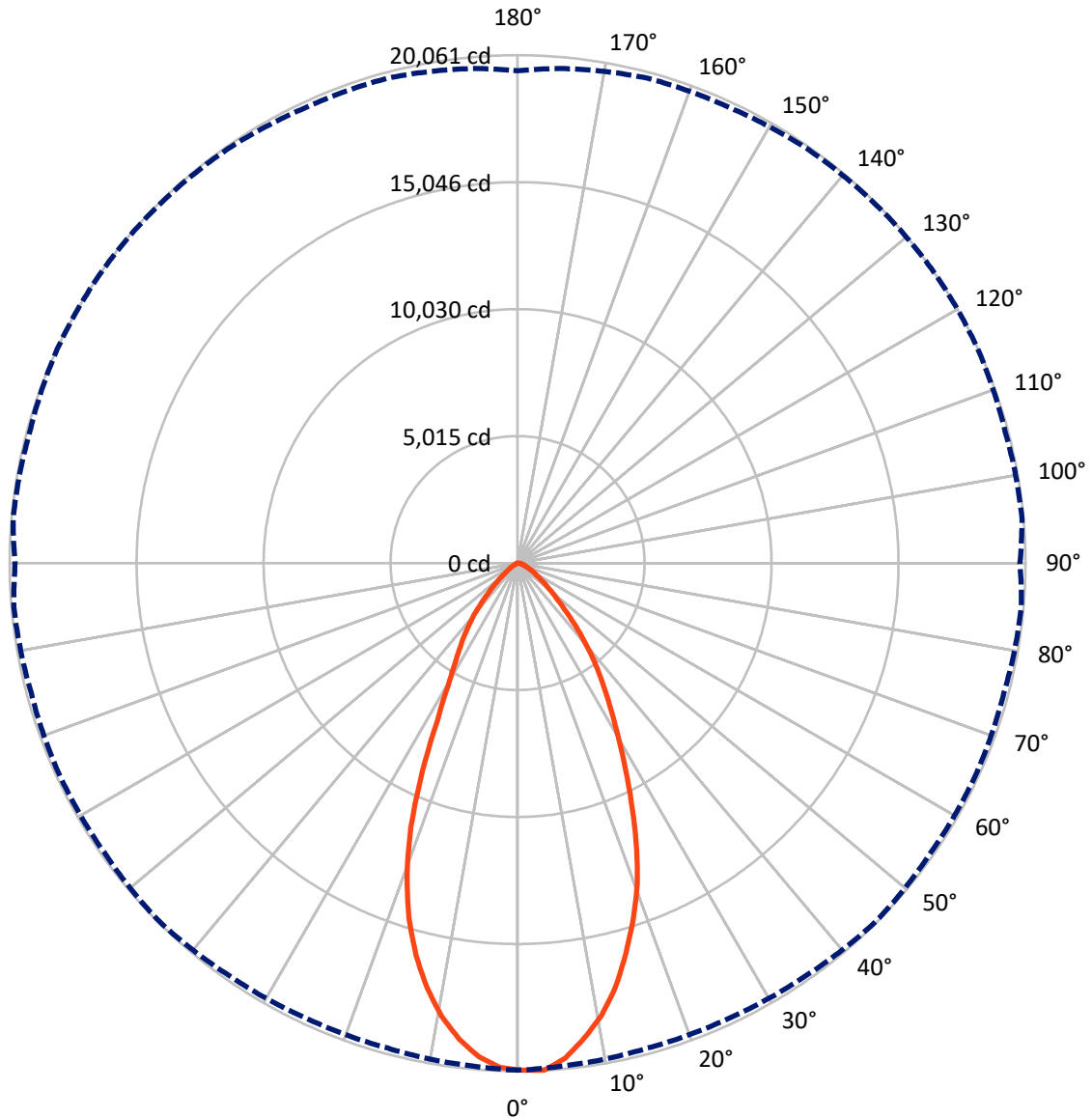
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 50.1 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 125-Deg Lateral    - - - Horizontal Cone Through 2.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9512.4	0.0	9512.4
	% Fixture	56.7	0.0	56.7
<b>Street Side</b>	Lumens	7251.3	0.0	7251.3
	% Fixture	43.3	0.0	43.3
<b>Total</b>	Lumens	16763.7	0.0	16763.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1818.7	10.8
10°-20°	4335.3	25.9
20°-30°	4415.4	26.3
30°-40°	3292.6	19.6
40°-50°	1720.1	10.3
50°-60°	723.5	4.3
60°-70°	295.5	1.8
70°-80°	124.4	0.7
80°-90°	38.3	0.2
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°	16763.7	100.0
0°-180°	16763.7	100.0



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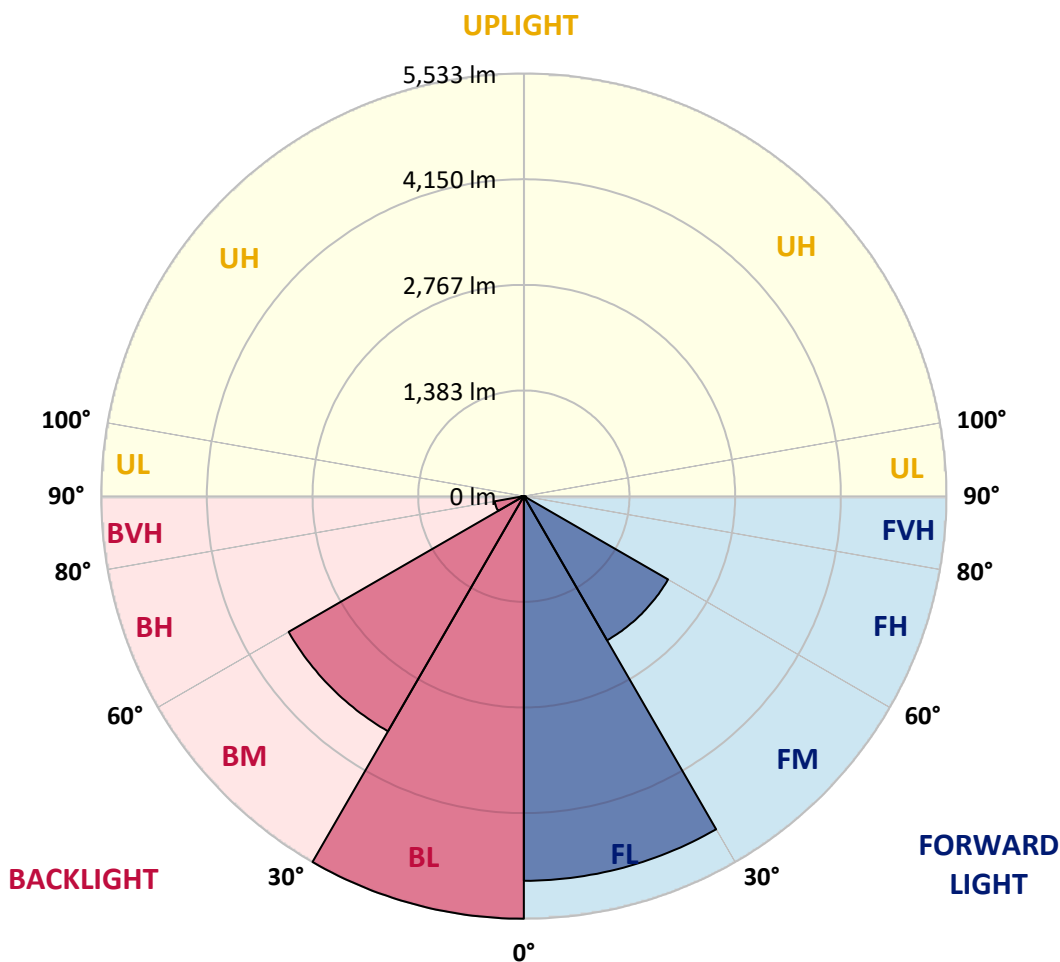
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5036.0	30.0			
FM	(30°-60°)	2180.2	13.0			
FH	(60°-80°)	31.6	0.2			G0/660
FVH	(80°-90°)	3.6	0.0			G0/10
BL	(0°-30°)	5533.4	33.0	B5		
BM	(30°-60°)	3556.0	21.2	B3/5000		
BH	(60°-80°)	388.3	2.3	B1/500		G1/500
BVH	(80°-90°)	34.8	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G1**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	20028.6	20028.6	20028.6	20028.6	20028.6	20028.6	20028.6	20028.6	20028.6	20028.6
2.5°	20030.7	19948.9	19832.6	19821.9	19882.2	20013.5	19929.5	19933.8	19882.2	19970.5
5°	19716.4	19638.8	19559.2	19453.6	19541.9	19597.9	19554.9	19507.5	19440.7	19526.9
7.5°	19122.0	19079.0	18960.5	18913.1	18967.0	19029.4	18936.8	18923.9	18831.3	18943.3
10°	18213.3	18196.1	18079.8	18051.8	18099.2	18193.9	18153.0	18144.4	18086.2	18075.5
12.5°	17270.1	17203.4	17059.1	17050.5	17121.5	17263.7	17153.8	17048.3	17080.6	17108.6
15°	14841.1	14770.0	15127.5	15689.5	15984.5	15973.8	16006.1	15879.0	15840.3	15853.2
17.5°	11798.4	11677.8	11807.0	12677.0	14078.8	14892.8	14668.8	14395.4	14248.9	14152.0
20°	10183.3	10189.8	10166.1	10390.1	11264.3	13120.5	13066.7	12539.1	12347.5	12267.8
22.5°	9201.4	9164.8	9113.1	9184.2	9418.9	10508.5	11238.5	10754.0	10687.2	10598.9
25°	8238.8	8238.8	8176.4	8247.4	8314.2	8329.3	9061.4	9259.5	9130.3	9130.3
27.5°	7405.5	7362.4	7334.4	7366.7	7278.4	6854.2	6946.8	7961.0	7872.8	7818.9
30°	6578.6	6565.7	6518.3	6561.4	6234.0	5756.0	5562.2	6718.5	6811.1	6791.8
32.5°	5430.8	5482.5	5693.5	5760.3	5200.4	4815.0	4629.8	5577.3	5947.6	5932.6
35°	3690.9	3734.0	3975.1	4771.9	4311.1	4035.4	3981.6	4436.0	5045.4	5103.5
37.5°	2939.4	2932.9	3001.8	3143.9	3464.8	3398.0	3383.0	3501.4	4115.1	4141.0
40°	2422.6	2413.9	2411.8	2295.5	2215.8	2825.2	2784.3	2713.3	3245.1	3296.8
42.5°	1953.1	1961.7	1968.2	1714.1	1597.8	2179.2	2155.5	2082.3	2545.3	2605.6
45°	1533.2	1531.1	1544.0	1277.0	1244.7	1393.2	1610.7	1552.6	1920.8	1985.4
47.5°	794.6	822.6	997.0	988.4	1003.5	988.4	1218.8	1203.7	1444.9	1548.3
50°	534.0	542.7	557.7	559.9	790.3	727.8	826.9	936.7	1012.1	1171.4
52.5°	413.4	419.9	381.1	357.5	484.5	538.3	542.7	648.2	706.3	867.8
55°	230.4	258.4	277.8	279.9	267.0	398.4	396.2	480.2	525.4	633.1
57.5°	30.1	36.6	56.0	180.9	178.7	221.8	277.8	348.8	374.7	463.0
60°	2.2	4.3	6.5	28.0	118.4	129.2	189.5	217.5	260.6	325.2
62.5°	0.0	0.0	2.2	6.5	23.7	75.4	99.1	114.1	152.9	213.2
65°	0.0	0.0	2.2	4.3	8.6	28.0	38.8	62.4	90.4	131.4
67.5°	0.0	0.0	2.2	4.3	6.5	10.8	17.2	28.0	47.4	79.7
70°	0.0	0.0	2.2	4.3	6.5	8.6	12.9	17.2	25.8	43.1
72.5°	0.0	0.0	2.2	2.2	4.3	10.8	10.8	12.9	17.2	23.7
75°	0.0	0.0	2.2	4.3	6.5	10.8	10.8	10.8	12.9	15.1
77.5°	0.0	0.0	2.2	4.3	6.5	10.8	8.6	10.8	10.8	10.8
80°	0.0	0.0	2.2	4.3	6.5	10.8	12.9	10.8	8.6	8.6
82.5°	0.0	0.0	2.2	6.5	6.5	15.1	15.1	15.1	6.5	6.5
85°	0.0	0.0	4.3	6.5	10.8	17.2	17.2	12.9	6.5	4.3
87.5°	0.0	0.0	2.2	4.3	4.3	8.6	12.9	10.8	4.3	2.2
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):**

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
20028.6	0°	20028.6	20028.6	20028.6	20028.6	20028.6	20028.6	20028.6	20028.6	20028.6
19841.3	2.5°	20000.6	19946.8	20048.0	20060.9	20017.8	19964.0	19839.1	19828.3	19610.8
19402.0	5°	19621.6	19533.3	19597.9	19641.0	19625.9	19567.8	19516.1	19468.7	19272.8
18689.2	7.5°	18915.3	18883.0	18913.1	18945.4	19007.9	18945.4	18923.9	18874.4	18680.6
17987.2	10°	18131.5	18071.2	18185.3	18170.2	18153.0	18135.8	18045.3	18053.9	17825.7
17031.1	12.5°	17168.9	17067.7	17177.5	17190.4	17177.5	17117.2	17016.0	17059.1	16850.2
15739.1	15°	15874.7	15864.0	15943.6	15995.3	16031.9	15967.3	15932.9	15954.4	15829.5
14076.7	17.5°	14285.5	14425.5	14686.1	14774.3	14776.5	14843.3	14823.9	14798.0	14705.4
12235.5	20°	12416.4	12685.6	13086.1	13497.4	13615.8	13559.8	13534.0	13581.4	13443.6
10506.3	22.5°	10691.5	10921.9	11387.1	11987.9	12334.6	12369.0	12362.6	12321.6	12267.8
9121.7	25°	9227.2	9431.8	9877.6	10426.7	11092.1	11191.1	11195.4	11182.5	11135.1
7866.3	27.5°	7991.2	8238.8	8484.3	8975.3	9683.8	10092.9	10041.2	10026.1	10008.9
6806.8	30°	6871.4	7183.7	7414.1	7719.9	8355.1	8908.5	8962.4	8936.5	8895.6
5930.4	32.5°	5984.2	6169.4	6462.3	6669.0	7125.5	7752.2	7958.9	7939.5	7902.9
5140.1	35°	5213.3	5286.5	5517.0	5747.4	6051.0	6658.3	6964.0	6921.0	6914.5
4188.3	37.5°	4293.8	4539.3	4666.4	4898.9	5112.1	5583.7	6005.8	5986.4	5988.6
3367.9	40°	3466.9	3609.1	3861.0	4057.0	4252.9	4597.5	5066.9	5079.8	5075.5
2607.7	42.5°	2661.6	2799.4	3064.3	3277.4	3451.9	3665.1	4113.0	4128.0	4147.4
2030.6	45°	2078.0	2166.3	2360.1	2581.9	2767.1	2896.3	3236.5	3333.4	3335.6
1574.1	47.5°	1612.9	1714.1	1851.9	2065.1	2246.0	2338.6	2586.2	2717.6	2711.1
1208.0	50°	1266.2	1358.8	1470.8	1638.7	1834.7	1907.9	2090.9	2220.1	2213.7
910.9	52.5°	969.0	1087.5	1186.5	1315.7	1507.4	1569.8	1701.2	1849.8	1828.2
667.5	55°	734.3	854.9	947.5	1055.2	1229.6	1309.3	1399.7	1518.1	1522.4
516.8	57.5°	553.4	678.3	762.3	872.1	1003.5	1091.8	1160.7	1287.7	1285.6
353.2	60°	396.2	503.9	605.1	719.2	820.4	921.6	969.0	1089.6	1093.9
249.8	62.5°	286.4	387.6	484.5	583.6	674.0	773.1	816.1	910.9	923.8
163.7	65°	200.3	271.3	383.3	458.7	559.9	633.1	689.1	770.9	786.0
96.9	67.5°	129.2	196.0	303.6	370.4	463.0	525.4	583.6	648.2	667.5
62.4	70°	77.5	148.6	226.1	297.2	381.1	437.1	493.1	549.1	559.9
30.1	72.5°	49.5	103.4	163.7	241.2	305.8	366.1	415.6	456.5	424.2
19.4	75°	28.0	71.1	129.2	189.5	247.6	305.8	346.7	368.2	295.0
12.9	77.5°	17.2	51.7	105.5	152.9	191.7	245.5	271.3	284.2	211.0
8.6	80°	10.8	38.8	88.3	124.9	124.9	180.9	211.0	221.8	152.9
6.5	82.5°	8.6	28.0	68.9	94.7	84.0	135.7	165.8	168.0	107.7
4.3	85°	6.5	21.5	43.1	62.4	58.1	94.7	96.9	107.7	71.1
4.3	87.5°	4.3	12.9	25.8	36.6	32.3	45.2	51.7	58.1	38.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
20028.6  
*19440.7*  
19115.6  
18639.7  
17748.2  
16789.9  
15678.8  
14567.6  
13344.5  
12164.4  
10975.8  
9907.7  
8843.9  
7806.0  
6843.4  
5919.6  
5000.2  
4082.8  
3279.6  
2687.4  
2213.7  
1830.4  
1522.4  
1281.3  
1083.2  
919.5  
781.7  
665.4  
551.3  
394.1  
279.9  
198.1  
142.1  
99.1  
64.6  
34.5  
0.0

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