

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: P636892

Luminaire Tested: **IFLD-S-SA6A-930-U-LAM-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636892  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6A-930-U-LAM-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/  
Lambertian distribution lens and Visor  
Light Source: (96) 3000K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12731.2 lumens  
Efficiency: N/A  
Efficacy: 67.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G2

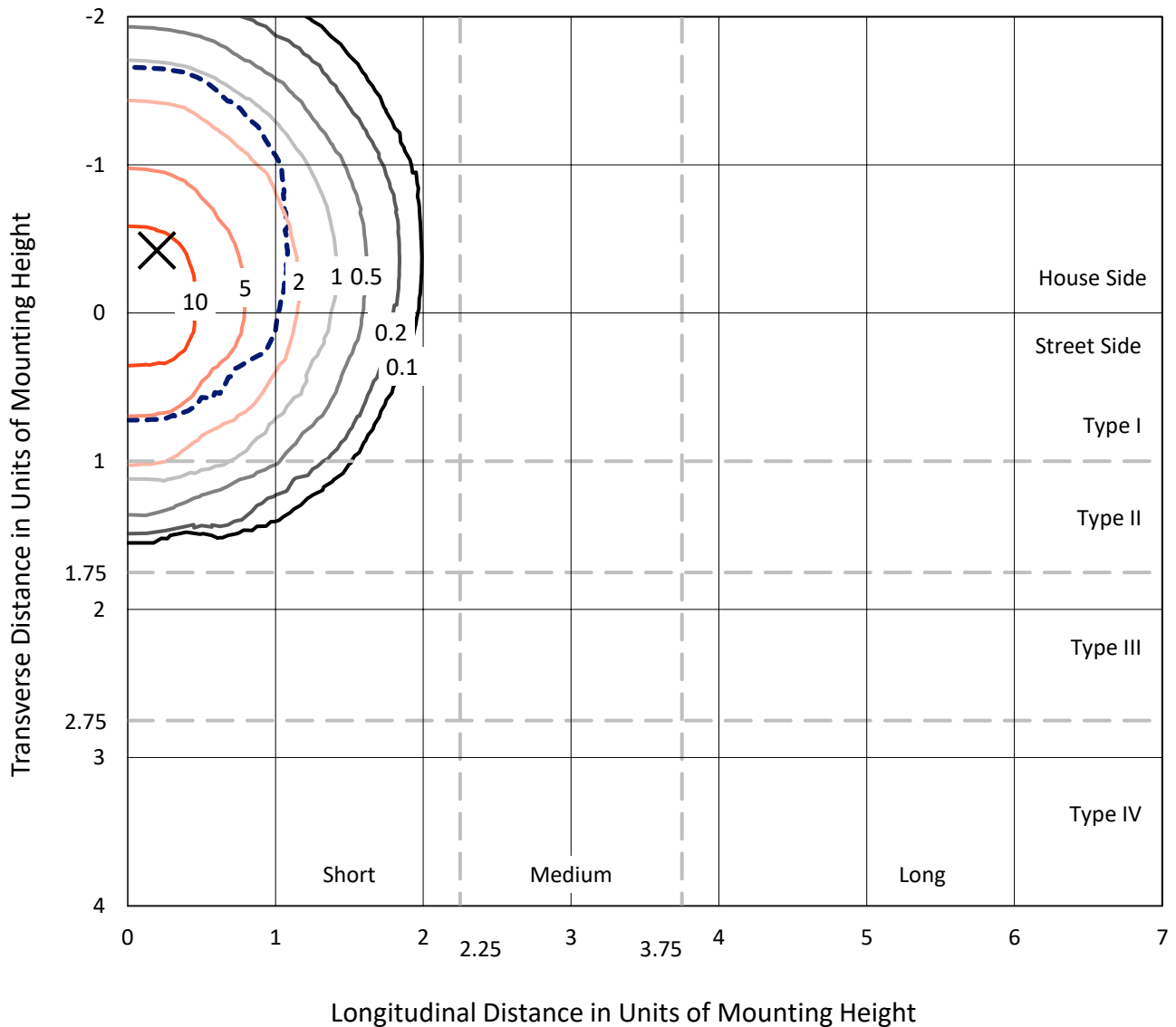
Input Watts (W): 189.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

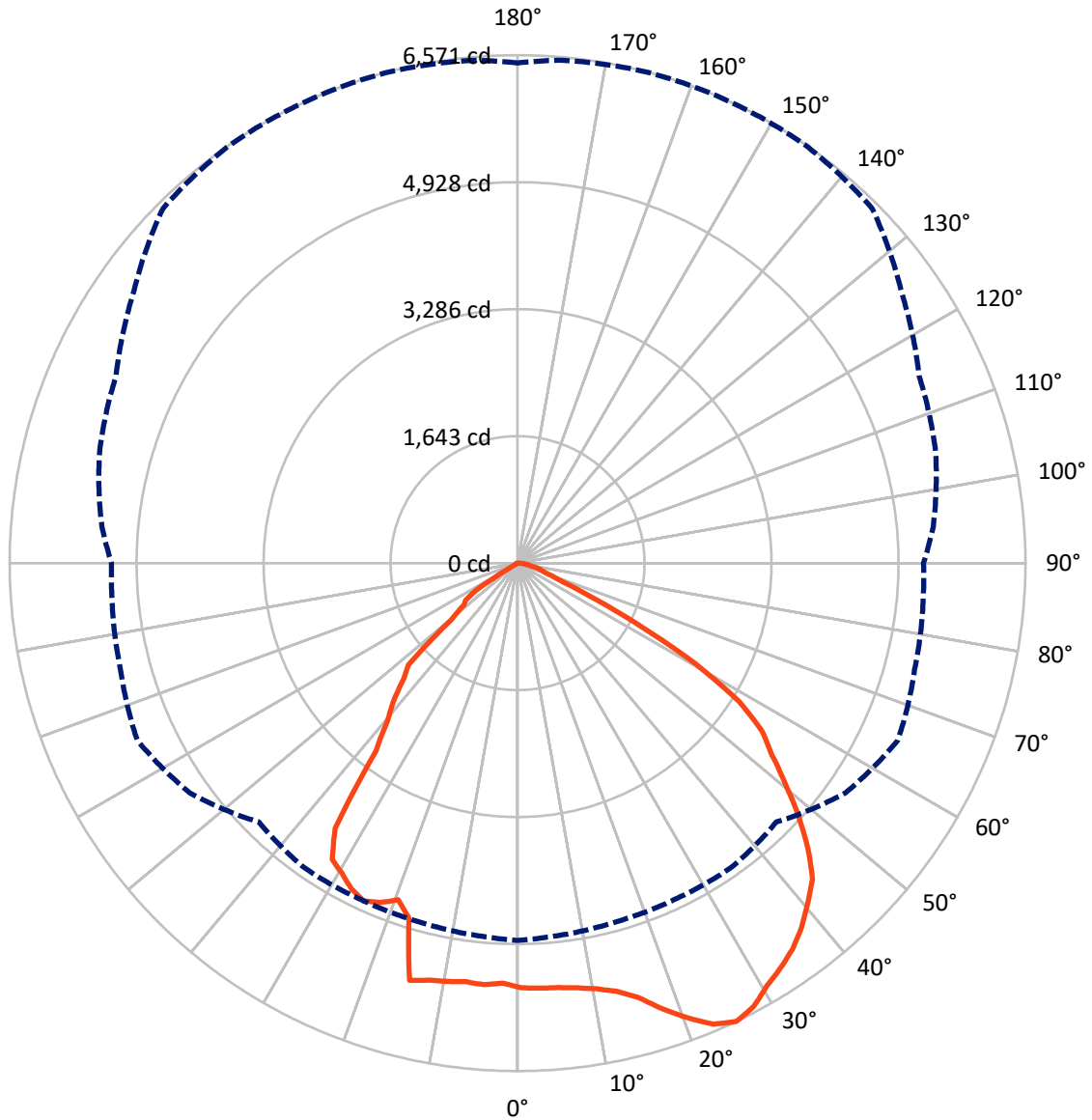
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 13.7 fc  
 Type I - Short - N/A

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CATALOG NUMBER: IFLD-S-SA6A-930-U-LAM-VI

### Luminous Intensity Polar Plot



— Vertical Plane Through 155-Deg Lateral      - - - Horizontal Cone Through 25-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7881.9	0.0	7881.9
	% Fixture	61.9	0.0	61.9
<b>Street Side</b>	Lumens	4849.3	0.0	4849.3
	% Fixture	38.1	0.0	38.1
<b>Total</b>	Lumens	12731.2	0.0	12731.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	527.0	4.1
10°-20°	1609.2	12.6
20°-30°	2544.1	20.0
30°-40°	2873.7	22.6
40°-50°	2691.3	21.1
50°-60°	1855.5	14.6
60°-70°	498.5	3.9
70°-80°	103.9	0.8
80°-90°	28.1	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°	12731.2	100.0
0°-180°	12731.2	100.0



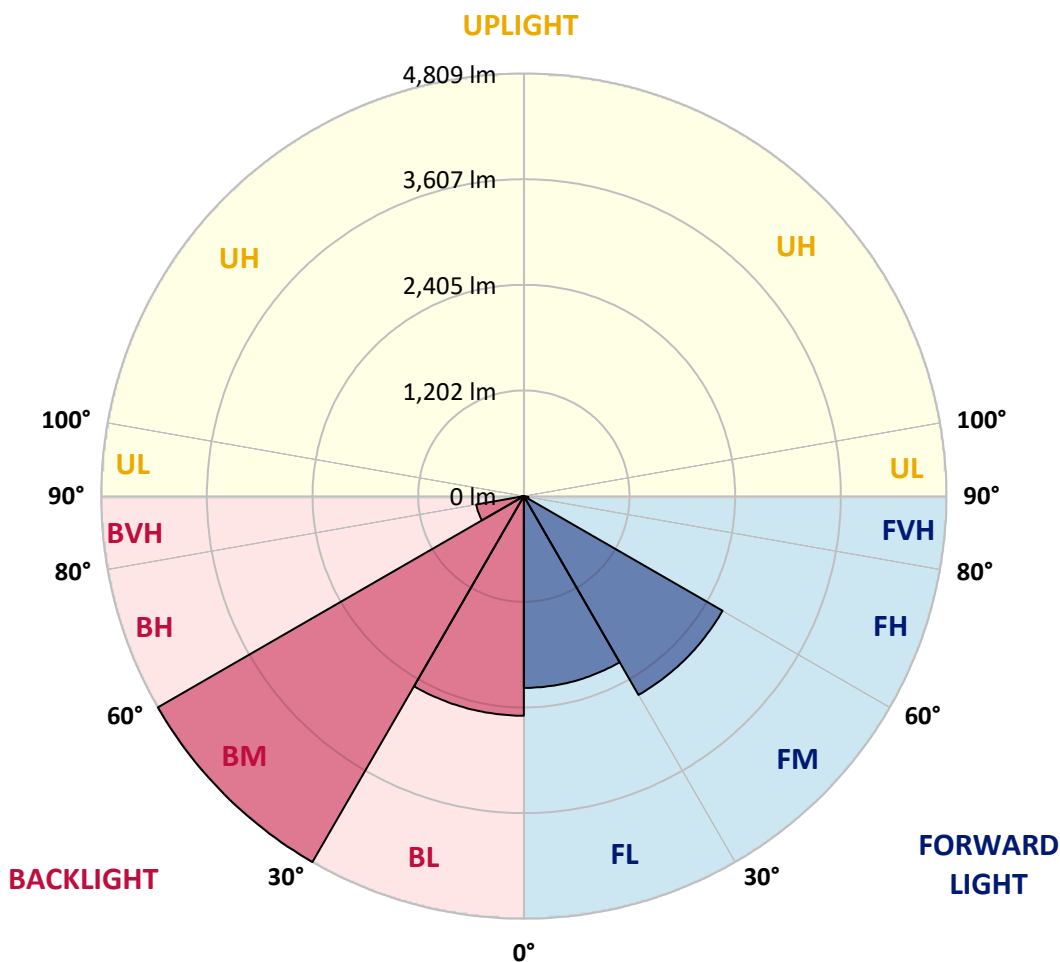
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 CATALOG NUMBER: IFLD-S-SA6A-930-U-LAM-VI

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2181.7	17.1			
FM (30°-60°)	2611.5	20.5			
FH (60°-80°)	52.3	0.4			G0/660
FVH (80°-90°)	3.8	0.0			G0/10
BL (0°-30°)	2498.5	19.6	B3/2500		
BM (30°-60°)	4809.0	37.8	B3/5000		
BH (60°-80°)	550.1	4.3	B2/1000		G2/1000
BVH (80°-90°)	24.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5493.3	5493.3	5493.3	5493.3	5493.3	5493.3	5493.3	5493.3	5493.3	5493.3
2.5°	5517.6	5482.1	5448.4	5437.2	5484.0	5534.5	5502.7	5504.5	5493.3	5513.9
5°	5558.8	5510.1	5487.7	5470.9	5478.3	5530.7	5485.8	5502.7	5484.0	5508.3
7.5°	5543.8	5510.1	5487.7	5455.9	5480.2	5542.0	5498.9	5500.8	5491.4	5513.9
10°	5534.5	5510.1	5482.1	5485.8	5513.9	5566.3	5532.6	5551.3	5538.2	5551.3
12.5°	5556.9	5530.7	5515.8	5515.8	5540.1	5600.0	5583.1	5600.0	5594.3	5605.6
15°	5345.5	5369.8	5512.0	5575.6	5624.3	5684.2	5676.7	5693.5	5697.2	5714.1
17.5°	4509.2	4484.8	4473.6	4801.0	5671.1	5856.3	5850.7	5848.8	5830.1	5817.0
20°	4619.5	4610.2	4597.1	4621.4	4718.7	5946.1	5983.5	5753.4	5686.0	5680.4
22.5°	4795.4	4780.4	4731.8	4733.7	4763.6	5169.6	5798.3	5588.7	5566.3	5553.2
25°	4881.5	4851.5	4812.3	4801.0	4810.4	4735.5	5179.0	5427.8	5317.4	5266.9
27.5°	4729.9	4731.8	4700.0	4729.9	4694.4	4357.6	4168.6	5113.5	5109.7	5087.3
30°	4615.8	4610.2	4572.8	4610.2	4365.1	3989.0	3908.6	4769.2	4729.9	4700.0
32.5°	4265.9	4269.7	4378.2	4524.1	4121.9	3824.4	3581.1	4260.3	4632.6	4615.8
35°	3051.6	3059.1	3444.5	4164.9	3753.3	3496.9	3478.2	3682.2	4479.2	4486.7
37.5°	2937.5	2937.5	2928.1	3046.0	3463.3	3364.1	3401.5	3380.9	4103.1	4121.9
40°	2855.2	2838.3	2825.2	2640.0	2408.0	3270.5	3296.7	3203.2	3878.6	3882.4
42.5°	2756.0	2737.3	2741.0	2398.6	2155.4	3038.5	2965.6	2840.2	3504.4	3508.2
45°	2574.5	2606.3	2628.8	2099.3	2080.6	2170.4	2735.4	2656.8	3251.8	3321.1
47.5°	1309.7	1337.8	2052.5	1930.9	1973.9	1929.0	2310.7	2312.6	2705.5	2935.6
50°	1188.1	1180.6	1182.5	1126.4	1822.4	1560.4	1670.8	2119.9	2166.6	2495.9
52.5°	1107.6	1105.8	991.6	881.2	1145.1	1373.3	1212.4	1534.2	1610.9	2114.2
55°	819.5	879.4	782.1	828.9	716.6	1100.2	1094.5	1384.6	1410.7	1695.1
57.5°	7.5	9.4	22.5	630.5	495.8	550.1	755.9	944.9	991.6	1320.9
60°	1.9	3.7	9.4	18.7	321.8	338.7	505.2	546.3	615.6	787.7
62.5°	0.0	0.0	3.7	9.4	16.8	138.5	160.9	175.9	271.3	402.3
65°	0.0	0.0	1.9	5.6	9.4	22.5	39.3	82.3	117.9	145.9
67.5°	0.0	0.0	1.9	3.7	7.5	11.2	22.5	31.8	50.5	86.1
70°	0.0	0.0	1.9	3.7	5.6	9.4	15.0	22.5	29.9	43.0
72.5°	0.0	0.0	1.9	3.7	3.7	11.2	11.2	16.8	22.5	28.1
75°	0.0	0.0	1.9	1.9	3.7	7.5	11.2	13.1	15.0	22.5
77.5°	0.0	0.0	1.9	3.7	5.6	7.5	9.4	15.0	13.1	13.1
80°	0.0	0.0	1.9	5.6	5.6	9.4	11.2	15.0	9.4	9.4
82.5°	0.0	0.0	1.9	7.5	5.6	18.7	18.7	20.6	7.5	7.5
85°	0.0	0.0	5.6	3.7	11.2	18.7	16.8	11.2	9.4	5.6
87.5°	0.0	0.0	1.9	1.9	3.7	5.6	13.1	11.2	3.7	3.7
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°
5493.3	0°	5493.3	5493.3	5493.3	5493.3	5493.3	5493.3	5493.3	5493.3	5493.3
5459.6	2.5°	5534.5	5510.1	5560.7	5555.1	5530.7	5519.5	5506.4	5495.2	5412.9
5463.4	5°	5536.3	5498.9	5560.7	5549.4	5545.7	5527.0	5515.8	5532.6	5457.8
5478.3	7.5°	5536.3	5498.9	5566.3	5570.0	5564.4	5549.4	5547.6	5558.8	5497.0
5504.5	10°	5573.8	5558.8	5614.9	5620.5	5613.1	5609.3	5600.0	5592.5	5527.0
5594.3	12.5°	5652.3	5622.4	5686.0	5702.9	5697.2	5706.6	5684.2	5695.4	5628.0
5686.0	15°	5747.8	5749.6	5798.3	5835.7	5832.0	5861.9	5828.2	5858.2	5809.5
5790.8	17.5°	5893.7	5914.3	5983.5	6039.6	6060.2	6082.7	6060.2	6069.6	6000.4
5674.8	20°	5740.3	5817.0	6150.0	6252.9	6296.0	6316.6	6279.1	6290.4	6221.1
5532.6	22.5°	5601.8	5701.0	5996.6	6318.4	6451.3	6492.4	6479.3	6477.5	6451.3
5251.9	25°	5397.9	5598.1	5730.9	6071.5	6488.7	6563.5	6571.0	6569.1	6529.9
5079.8	27.5°	5147.2	5192.1	5536.3	5744.0	6226.7	6511.1	6499.9	6445.7	6393.3
4722.4	30°	4827.2	5031.2	5186.5	5517.6	5888.1	6350.2	6350.2	6309.1	6254.8
4595.2	32.5°	4664.4	4928.3	5072.3	5192.1	5508.3	6170.6	6245.5	6202.4	6159.4
4496.1	35°	4578.4	4617.7	4954.5	5063.0	5330.5	5824.5	6127.6	6084.5	6052.7
4232.2	37.5°	4389.4	4481.1	4638.3	4928.3	5010.6	5542.0	5970.4	5948.0	5910.5
3889.8	40°	3968.4	4213.5	4454.9	4729.9	4816.0	5179.0	5779.6	5788.9	5738.4
3525.0	42.5°	3719.6	3886.1	4264.0	4449.3	4681.3	4945.1	5594.3	5609.3	5573.8
3339.8	45°	3427.7	3612.9	3878.6	4215.4	4531.6	4623.3	5266.9	5424.1	5394.1
2971.2	47.5°	3160.1	3309.8	3635.4	3975.9	4325.8	4312.7	4890.8	5186.5	5145.3
2688.7	50°	2780.3	3042.3	3195.7	3508.2	4030.2	4065.7	4490.4	4907.7	4874.0
2284.5	52.5°	2344.4	2673.7	2967.4	3253.7	3730.8	3815.0	4118.1	4623.3	4600.8
1745.7	55°	2048.8	2288.3	2619.4	2849.6	3367.8	3592.4	3839.3	4352.0	4340.8
1435.1	57.5°	1457.5	1919.7	2192.8	2514.6	2787.8	3193.8	3377.2	3800.0	3695.3
795.2	60°	987.9	1204.9	1538.0	1884.1	2067.5	2473.5	2643.7	2982.4	2954.3
475.2	62.5°	522.0	722.2	959.8	1133.8	1266.7	1661.5	1732.6	2097.4	2088.1
190.8	65°	230.1	305.0	520.1	610.0	746.5	929.9	991.6	1122.6	1090.8
93.6	67.5°	119.7	181.5	293.7	361.1	454.7	523.9	574.4	615.6	641.8
61.7	70°	73.0	132.8	181.5	250.7	312.5	368.6	407.9	464.0	497.7
31.8	72.5°	54.3	84.2	125.4	192.7	226.4	291.9	331.2	372.3	402.3
26.2	75°	29.9	56.1	101.0	151.6	181.5	237.6	273.2	301.2	310.6
15.0	77.5°	18.7	43.0	84.2	117.9	142.2	192.7	183.4	209.6	232.0
11.2	80°	13.1	31.8	65.5	97.3	99.2	123.5	145.9	168.4	183.4
7.5	82.5°	9.4	26.2	48.6	74.8	65.5	95.4	114.1	131.0	95.4
5.6	85°	7.5	18.7	24.3	44.9	37.4	67.4	58.0	56.1	37.4
3.7	87.5°	5.6	9.4	16.8	20.6	15.0	15.0	18.7	22.5	18.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
5493.3  
5356.7  
5394.1  
5425.9  
5472.7  
5568.1  
5729.1  
5940.5  
6172.5  
6367.1  
6470.0  
6352.1  
6234.2  
6123.8  
6007.8  
5873.1  
5727.2  
5570.0  
5397.9  
5175.2  
4879.6  
4615.8  
4353.9  
3684.0  
2956.2  
2089.9  
1077.7  
641.8  
499.6  
407.9  
305.0  
235.7  
185.2  
69.2  
37.4  
18.7  
0.0

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