

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: P636597

Luminaire Tested: **IFLD-S-SA3A-930-U-66-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636597  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3A-930-U-66-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor  
Light Source: (48) 3000K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7011 lumens  
Efficiency: N/A  
Efficacy: 74.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G0

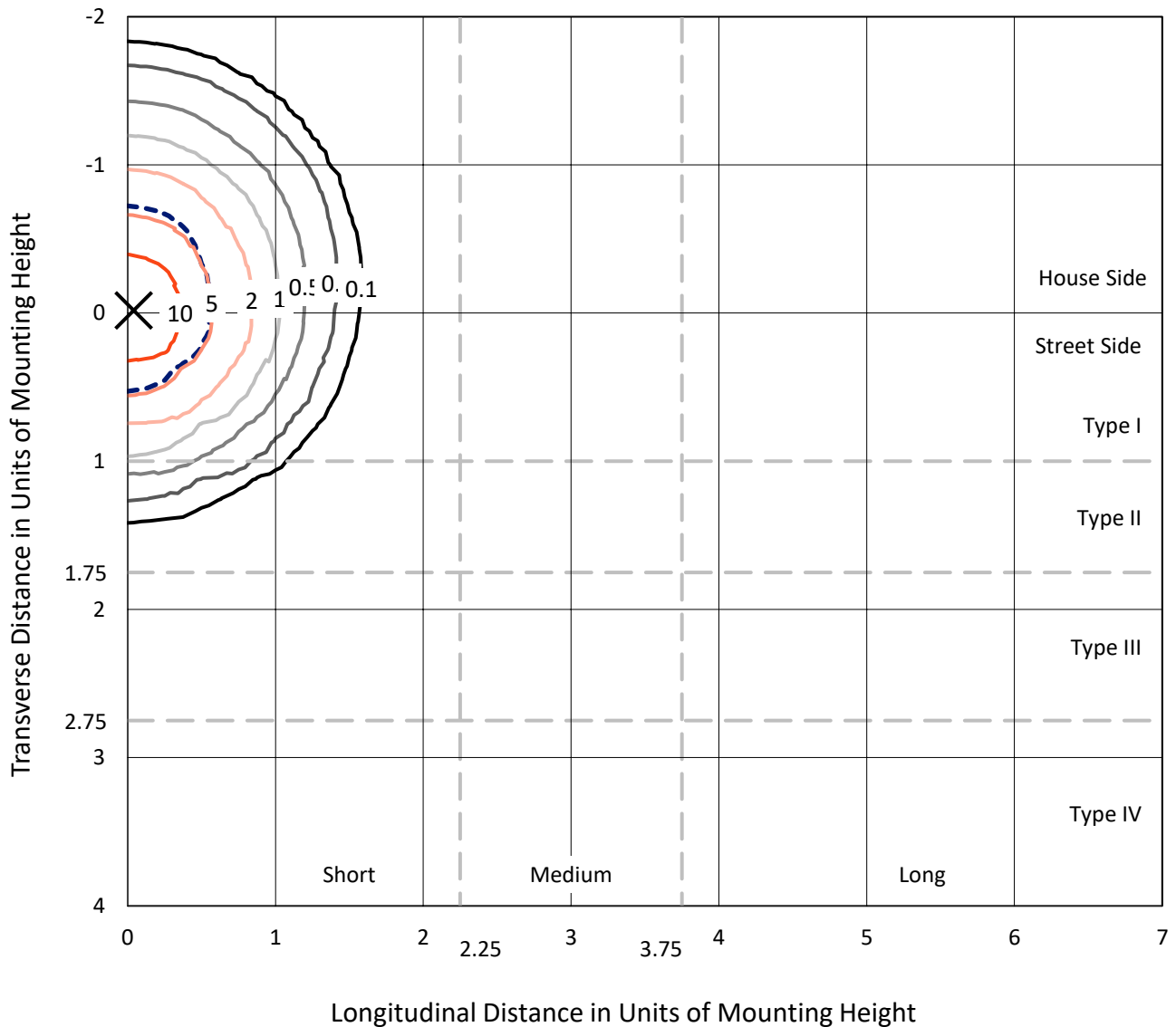
Input Watts (W): 94.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P636597  
 CATALOG NUMBER: IFLD-S-SA3A-930-U-66-VI

### Iso-Footcandle Lines of Horizontal Illumination

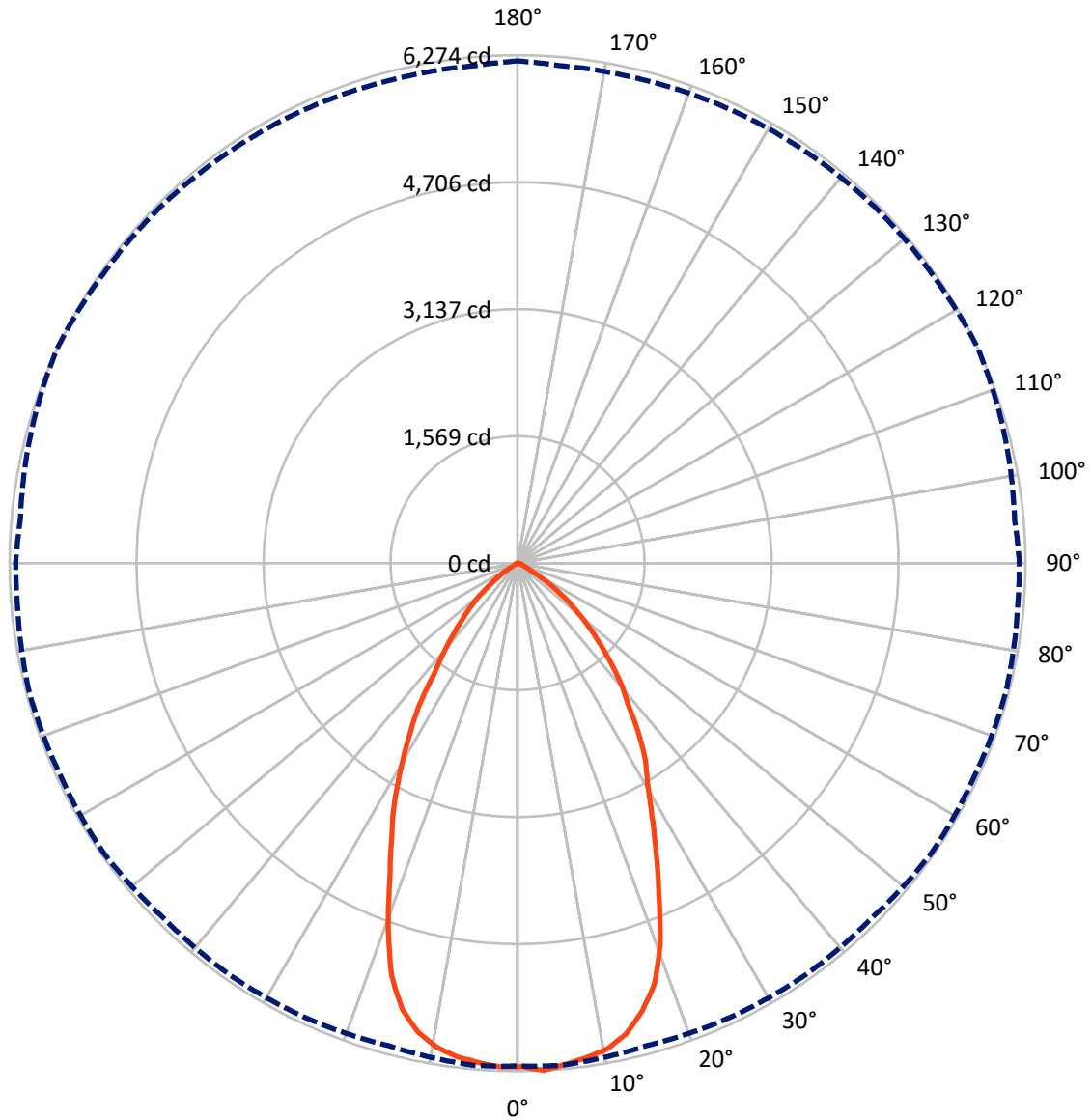
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 15.6 fc  
 Type I - Short - N/A

REPORT NUMBER: P636597  
CATALOG NUMBER: IFLD-S-SA3A-930-U-66-VI

### Luminous Intensity Polar Plot



— Vertical Plane Through 115-Deg Lateral    - - - Horizontal Cone Through 2.5-Deg Vertical

REPORT NUMBER: P636597

CATALOG NUMBER: IFLD-S-SA3A-930-U-66-VI

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4012.3	0.0	4012.3
	% Fixture	57.2	0.0	57.2
<b>Street Side</b>	Lumens	2998.7	0.0	2998.7
	% Fixture	42.8	0.0	42.8
<b>Total</b>	Lumens	7011.0	0.0	7011.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	585.9	8.4
10°-20°	1553.5	22.2
20°-30°	1776.9	25.3
30°-40°	1522.7	21.7
40°-50°	1006.9	14.4
50°-60°	439.4	6.3
60°-70°	86.3	1.2
70°-80°	31.2	0.4
80°-90°	8.3	0.1
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°	7011.0	100.0
0°-180°	7011.0	100.0



REPORT NUMBER: P636597

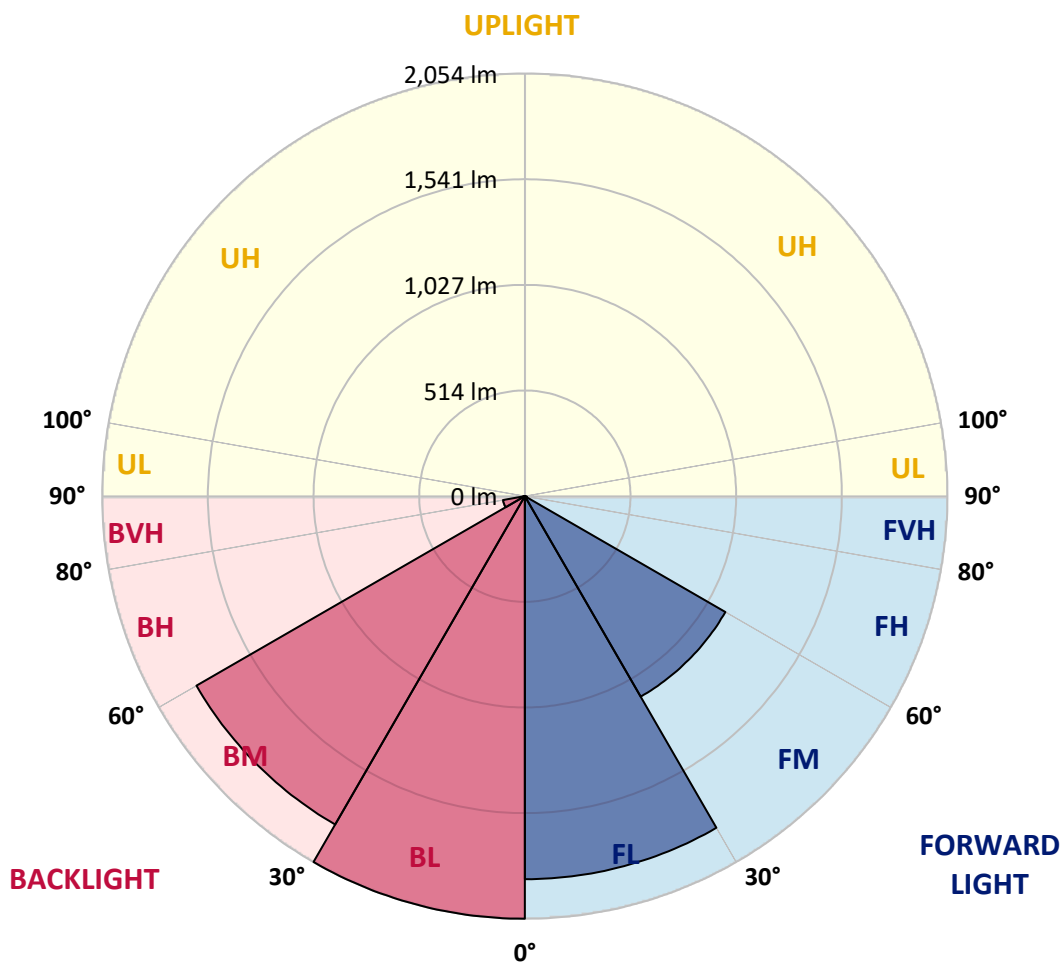
CATALOG NUMBER: IFLD-S-SA3A-930-U-66-VI

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1862.0	26.6			
FM (30°-60°)	1125.8	16.1			
FH (60°-80°)	9.5	0.1			G0/660
FVH (80°-90°)	1.4	0.0			G0/10
BL (0°-30°)	2054.3	29.3	B3/2500		
BM (30°-60°)	1843.2	26.3	B2/2500		
BH (60°-80°)	107.9	1.5	B0/110		G0/110
BVH (80°-90°)	6.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G0**

Type I Short





REPORT NUMBER: P636597  
 CATALOG NUMBER: IFLD-S-SA3A-930-U-66-VI

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6220.5	6220.5	6220.5	6220.5	6220.5	6220.5	6220.5	6220.5	6220.5	6220.5
2.5°	6211.6	6226.5	6169.8	6195.2	6205.6	6192.2	6241.4	6226.5	6238.4	6201.1
5°	6211.6	6226.5	6160.9	6172.8	6175.8	6150.5	6204.1	6186.2	6187.7	6149.0
7.5°	6172.8	6190.7	6131.1	6140.0	6141.5	6120.7	6166.9	6141.5	6132.6	6092.4
10°	6068.5	6078.9	6025.3	6047.6	6068.5	6049.1	6089.4	6061.1	6061.1	6025.3
12.5°	5903.1	5922.5	5862.8	5889.7	5907.6	5885.2	5931.4	5921.0	5922.5	5886.7
15°	5602.0	5535.0	5606.5	5660.2	5661.7	5657.2	5700.4	5690.0	5697.4	5643.8
17.5°	4138.6	4122.2	4205.6	4839.0	5309.9	5374.0	5381.5	5324.8	5299.5	5247.4
20°	3834.5	3846.5	3828.6	3831.6	4202.6	4973.1	4926.9	4786.8	4722.8	4670.6
22.5°	3612.5	3593.1	3581.2	3573.7	3584.2	4086.4	4418.7	4207.1	4172.8	4147.5
25°	3371.1	3362.1	3347.2	3344.2	3338.3	3253.3	3731.7	3751.1	3695.9	3664.7
27.5°	3146.0	3140.1	3123.7	3122.2	3053.6	2848.0	2900.1	3360.6	3345.7	3333.8
30°	2906.1	2894.2	2885.2	2885.2	2678.1	2466.4	2381.5	2929.9	2929.9	2919.5
32.5°	2645.3	2634.9	2637.8	2602.1	2354.7	2160.9	2026.8	2529.0	2685.5	2676.6
35°	1617.0	1614.0	1916.5	2314.4	2023.8	1848.0	1839.0	2163.9	2391.9	2415.8
37.5°	1439.6	1430.7	1435.2	1460.5	1733.2	1663.2	1660.2	1715.3	2035.8	2047.7
40°	1292.1	1286.1	1281.7	1190.8	1104.3	1484.3	1473.9	1438.1	1739.2	1760.0
42.5°	1152.0	1146.0	1146.0	1017.9	877.8	1220.6	1225.0	1183.3	1466.5	1473.9
45°	1007.4	1003.0	977.6	812.2	772.0	810.7	1014.9	967.2	1163.9	1241.4
47.5°	475.4	472.4	684.0	675.1	672.1	648.3	775.0	801.8	924.0	1001.5
50°	381.5	378.5	360.7	317.4	552.9	491.8	558.9	617.0	655.7	727.3
52.5°	315.9	313.0	275.7	244.4	307.0	359.2	333.8	412.8	411.3	488.8
55°	207.2	192.2	211.6	199.7	161.0	260.8	254.8	313.0	305.5	372.6
57.5°	4.5	4.5	10.4	113.3	101.3	110.3	146.0	178.8	201.2	220.6
60°	1.5	1.5	3.0	6.0	41.7	46.2	56.6	65.6	92.4	114.8
62.5°	0.0	0.0	1.5	3.0	6.0	23.8	26.8	31.3	43.2	59.6
65°	0.0	0.0	0.0	1.5	3.0	6.0	8.9	19.4	26.8	34.3
67.5°	0.0	0.0	0.0	1.5	1.5	3.0	6.0	8.9	11.9	23.8
70°	0.0	0.0	0.0	1.5	1.5	3.0	4.5	6.0	8.9	11.9
72.5°	0.0	0.0	0.0	1.5	1.5	4.5	3.0	4.5	6.0	7.5
75°	0.0	0.0	0.0	1.5	1.5	1.5	3.0	4.5	4.5	6.0
77.5°	0.0	0.0	0.0	1.5	3.0	3.0	3.0	3.0	3.0	4.5
80°	0.0	0.0	0.0	1.5	1.5	3.0	4.5	6.0	3.0	3.0
82.5°	0.0	0.0	0.0	3.0	1.5	6.0	8.9	7.5	3.0	1.5
85°	0.0	0.0	0.0	1.5	6.0	7.5	7.5	4.5	1.5	1.5
87.5°	0.0	0.0	0.0	1.5	1.5	3.0	4.5	4.5	1.5	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P636597

CATALOG NUMBER: IFLD-S-SA3A-930-U-66-VI

**CANDELA DISTRIBUTION (continued):**

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
6220.5	0°	6220.5	6220.5	6220.5	6220.5	6220.5	6220.5	6220.5	6220.5	6220.5
6198.2	2.5°	6163.9	6222.0	6274.2	6241.4	6229.5	6205.6	6187.7	6168.4	6166.9
6144.5	5°	6110.2	6165.4	6216.0	6177.3	6180.3	6168.4	6156.4	6152.0	6154.9
6089.4	7.5°	6064.0	6110.2	6165.4	6132.6	6141.5	6134.1	6128.1	6119.2	6132.6
6017.8	10°	5994.0	6035.7	6099.8	6068.5	6064.0	6056.6	6050.6	6034.2	6041.7
5888.2	12.5°	5840.5	5892.7	5965.7	5929.9	5941.8	5921.0	5912.0	5901.6	5903.1
5663.1	15°	5631.8	5672.1	5746.6	5718.3	5727.2	5713.8	5713.8	5713.8	5724.2
5254.8	17.5°	5268.2	5350.2	5467.9	5432.1	5445.6	5448.5	5445.6	5456.0	5469.4
4673.6	20°	4676.6	4816.7	5031.3	5101.3	5129.6	5131.1	5110.2	5135.6	5162.4
4129.6	22.5°	4132.6	4280.1	4469.4	4661.7	4780.9	4774.9	4777.9	4794.3	4822.6
3645.3	25°	3661.7	3803.2	3974.6	4146.0	4406.8	4460.5	4462.0	4476.9	4499.2
3314.4	27.5°	3321.9	3377.0	3533.5	3706.4	3986.6	4157.9	4149.0	4162.4	4186.3
2900.1	30°	2912.0	3123.7	3159.4	3265.3	3506.7	3821.1	3822.6	3837.5	3861.4
2655.7	32.5°	2648.3	2788.4	2898.6	2901.6	3107.3	3430.7	3494.8	3509.7	3526.1
2402.4	35°	2400.9	2417.3	2566.3	2608.0	2727.3	3047.7	3160.9	3169.9	3196.7
2043.2	37.5°	2077.5	2174.3	2216.1	2365.1	2371.1	2630.4	2855.4	2846.5	2867.3
1758.6	40°	1780.9	1873.3	1979.1	2087.9	2102.8	2296.6	2545.4	2554.4	2563.3
1459.0	42.5°	1470.9	1588.7	1697.5	1770.5	1871.8	1983.6	2220.5	2262.3	2283.1
1250.4	45°	1272.7	1305.5	1435.2	1542.5	1645.3	1697.5	1919.5	1995.5	2008.9
989.6	47.5°	1003.0	1113.3	1201.2	1292.1	1420.3	1466.5	1627.4	1733.2	1743.7
734.7	50°	775.0	853.9	974.7	1056.6	1205.7	1231.0	1341.3	1478.4	1491.8
491.8	52.5°	554.4	661.7	779.4	858.4	1001.5	1034.3	1116.2	1247.4	1256.3
377.0	55°	397.9	468.0	564.8	678.1	782.4	855.4	912.1	1037.2	1049.2
247.4	57.5°	271.2	336.8	377.0	490.3	552.9	631.9	678.1	773.5	782.4
117.7	60°	129.7	161.0	192.2	248.9	289.1	356.2	386.0	424.7	435.2
71.5	62.5°	83.5	98.4	125.2	149.0	187.8	229.5	241.4	274.2	286.1
44.7	65°	55.1	70.0	98.4	104.3	143.1	175.9	190.8	214.6	228.0
26.8	67.5°	31.3	49.2	73.0	86.4	113.3	144.6	161.0	181.8	193.7
17.9	70°	20.9	40.2	58.1	71.5	89.4	116.2	137.1	155.0	162.4
8.9	72.5°	11.9	25.3	40.2	56.6	71.5	96.9	116.2	131.1	86.4
6.0	75°	7.5	19.4	34.3	47.7	59.6	77.5	93.9	92.4	38.7
4.5	77.5°	6.0	14.9	29.8	40.2	49.2	53.7	67.1	76.0	29.8
3.0	80°	4.5	11.9	26.8	34.3	19.4	38.7	52.2	56.6	20.9
3.0	82.5°	3.0	7.5	22.4	23.8	13.4	28.3	41.7	37.3	14.9
1.5	85°	1.5	4.5	7.5	13.4	11.9	13.4	10.4	14.9	10.4
1.5	87.5°	1.5	3.0	6.0	6.0	6.0	4.5	6.0	6.0	6.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
6220.5  
6202.6  
6192.2  
6169.8  
6077.4  
5946.3  
5728.7  
5514.1  
5180.3  
4827.1  
4538.0  
4208.6  
3903.1  
3563.3  
3225.0  
2892.7  
2591.6  
2312.9  
2041.7  
1769.0  
1511.2  
1272.7  
1059.6  
800.3  
447.1  
289.1  
228.0  
192.2  
161.0  
70.0  
38.7  
29.8  
22.4  
14.9  
10.4  
6.0  
0.0

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