

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: P637869

Luminaire Tested: **IFLD-S-SA2B-735-U-66-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P637869  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2B-735-U-66-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor  
Light Source: (32) 3500K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9495.7 lumens  
Efficiency: N/A  
Efficacy: 115.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G1

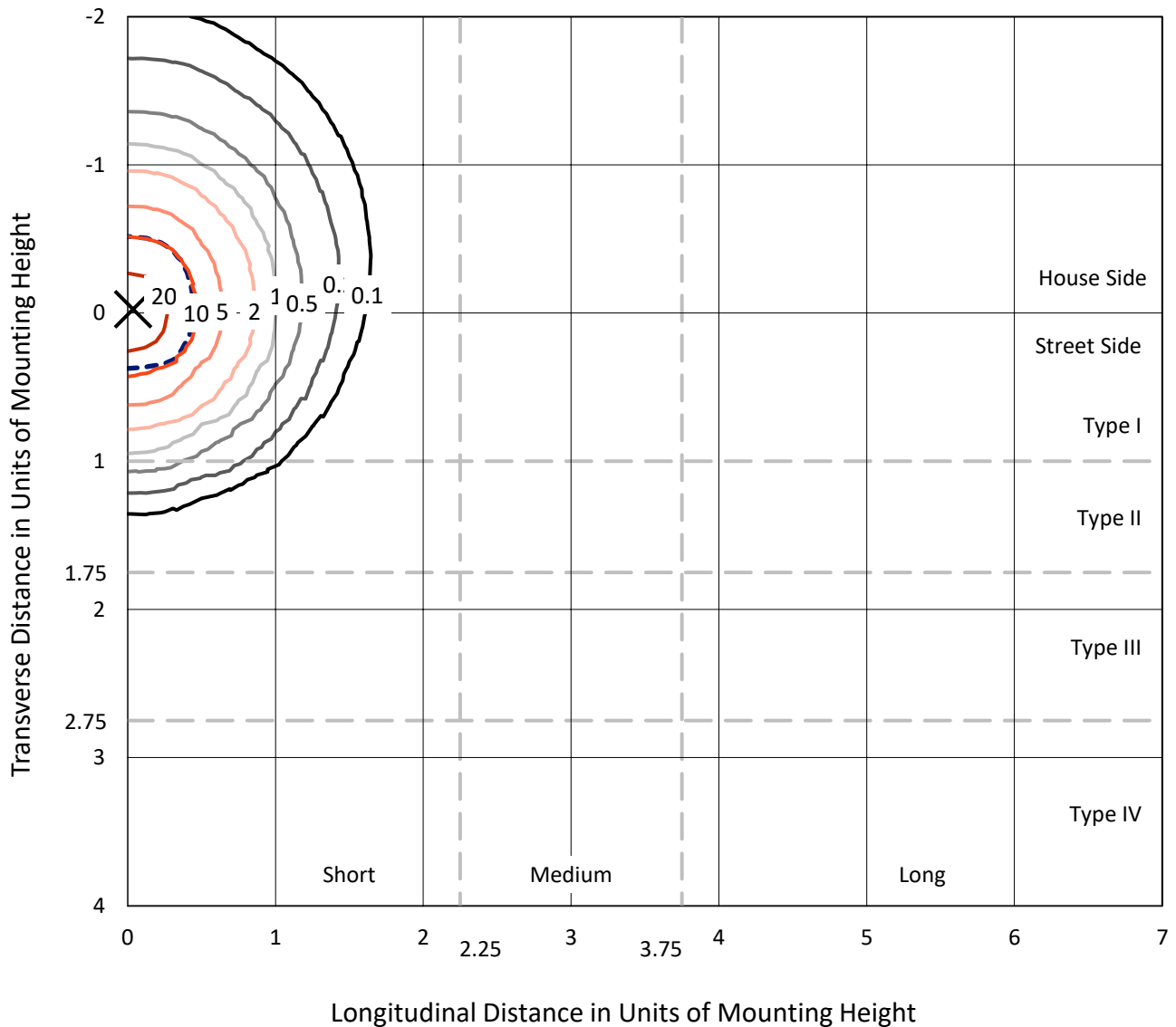
Input Watts (W): 82.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

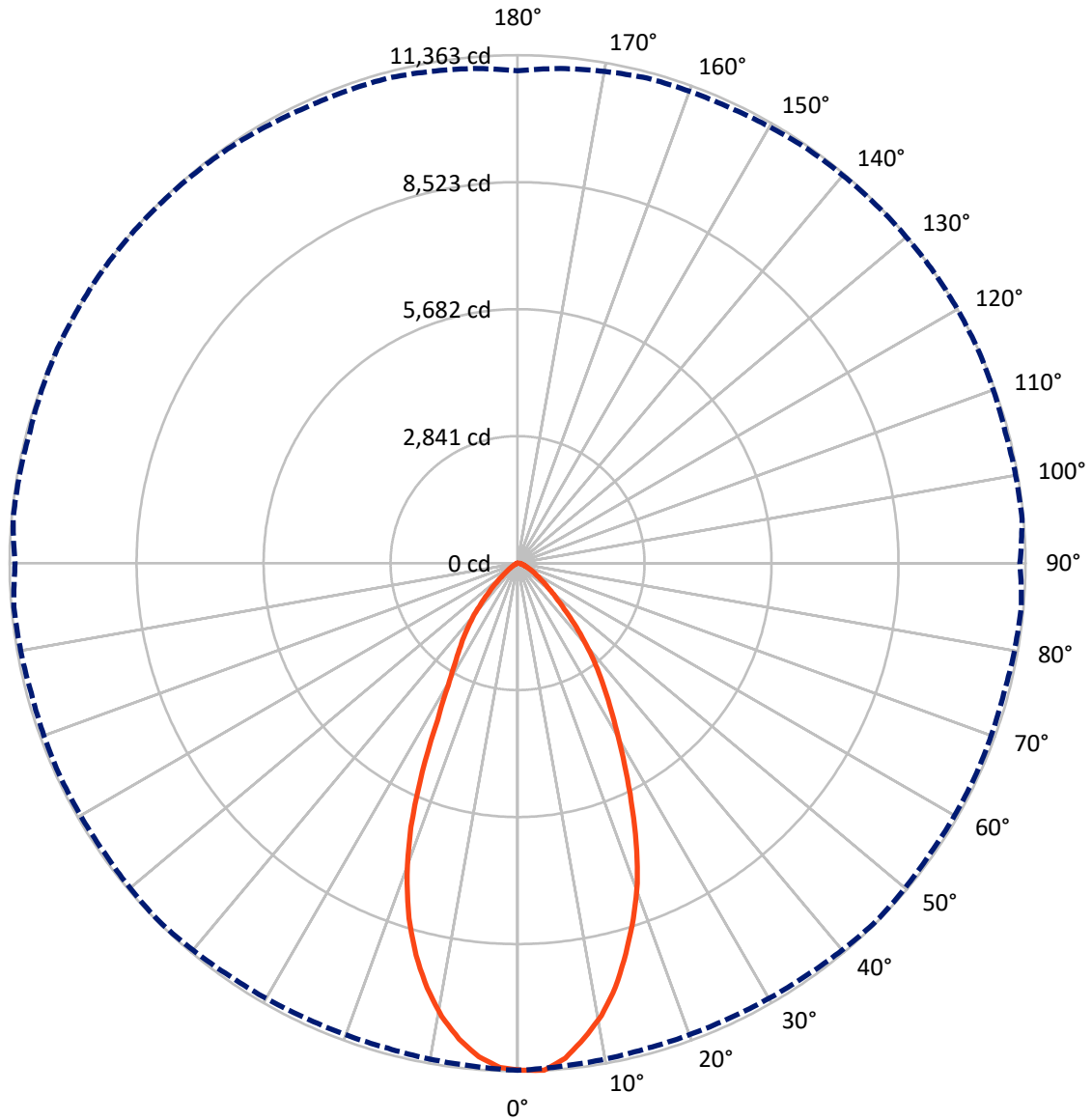
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 28.4 fc  
 Type I - Short - N/A

REPORT NUMBER: P637869  
CATALOG NUMBER: IFLD-S-SA2B-735-U-66-VI

### Luminous Intensity Polar Plot



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

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CATALOG NUMBER: IFLD-S-SA2B-735-U-66-VI

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5388.2	0.0	5388.2
	% Fixture	56.7	0.0	56.7
<b>Street Side</b>	Lumens	4107.5	0.0	4107.5
	% Fixture	43.3	0.0	43.3
<b>Total</b>	Lumens	9495.7	0.0	9495.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1030.2	10.8
10°-20°	2455.7	25.9
20°-30°	2501.1	26.3
30°-40°	1865.1	19.6
40°-50°	974.4	10.3
50°-60°	409.8	4.3
60°-70°	167.4	1.8
70°-80°	70.4	0.7
80°-90°	21.7	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°	9495.7	100.0
0°-180°	9495.7	100.0



REPORT NUMBER: P637869

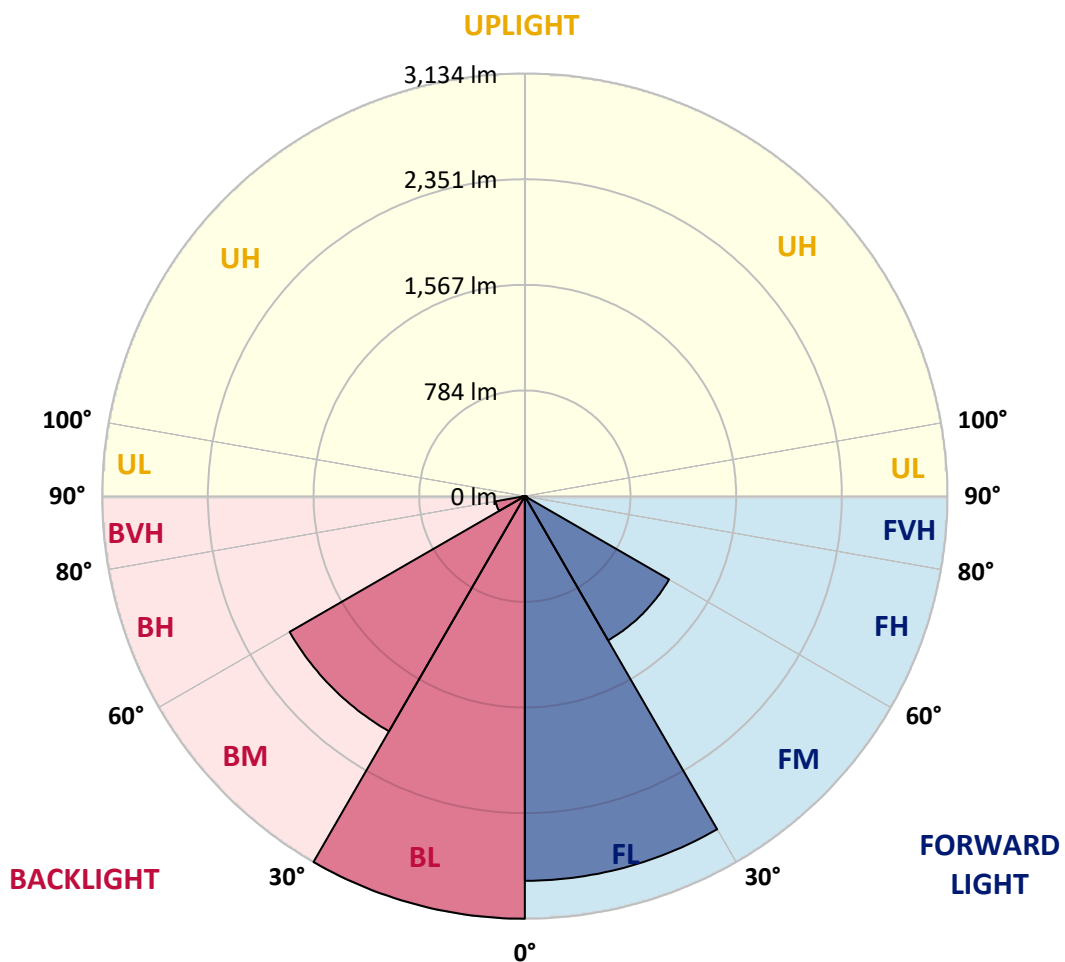
CATALOG NUMBER: IFLD-S-SA2B-735-U-66-VI

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2852.6	30.0			
FM (30°-60°)	1235.0	13.0			
FH (60°-80°)	17.9	0.2			G0/660
FVH (80°-90°)	2.0	0.0			G0/10
BL (0°-30°)	3134.3	33.0	B4/5000		
BM (30°-60°)	2014.3	21.2	B2/2500		
BH (60°-80°)	219.9	2.3	B1/500		G1/500
BVH (80°-90°)	19.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G1**

Type I Short





REPORT NUMBER: P637869  
 CATALOG NUMBER: IFLD-S-SA2B-735-U-66-VI

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	11345.1	11345.1	11345.1	11345.1	11345.1	11345.1	11345.1	11345.1	11345.1	11345.1
2.5°	11346.3	11299.9	11234.1	11228.0	11262.1	11336.5	11289.0	11291.4	11262.1	11312.1
5°	11168.2	11124.3	11079.2	11019.4	11069.4	11101.1	11076.7	11049.9	11012.1	11060.9
7.5°	10831.5	10807.2	10740.1	10713.2	10743.7	10779.1	10726.6	10719.3	10666.9	10730.3
10°	10316.8	10307.0	10241.2	10225.3	10252.2	10305.8	10282.7	10277.8	10244.8	10238.7
12.5°	9782.5	9744.7	9663.0	9658.1	9698.4	9778.9	9716.7	9656.9	9675.2	9691.1
15°	8406.6	8366.4	8568.9	8887.2	9054.3	9048.2	9066.5	8994.6	8972.6	8979.9
17.5°	6683.1	6614.8	6688.0	7180.8	7974.8	8435.9	8309.1	8154.2	8071.2	8016.3
20°	5768.3	5771.9	5758.5	5885.4	6380.6	7432.1	7401.6	7102.7	6994.2	6949.0
22.5°	5212.1	5191.3	5162.1	5202.3	5335.3	5952.5	6366.0	6091.5	6053.7	6003.7
25°	4666.8	4666.8	4631.5	4671.7	4709.5	4718.1	5132.8	5245.0	5171.8	5171.8
27.5°	4194.8	4170.4	4154.5	4172.8	4122.8	3882.5	3935.0	4509.5	4459.5	4429.0
30°	3726.4	3719.1	3692.2	3716.6	3531.2	3260.4	3150.7	3805.7	3858.1	3847.2
32.5°	3076.3	3105.5	3225.1	3262.9	2945.7	2727.4	2622.5	3159.2	3369.0	3360.5
35°	2090.7	2115.1	2251.7	2703.0	2442.0	2285.8	2255.4	2512.7	2857.9	2890.9
37.5°	1665.0	1661.3	1700.4	1780.9	1962.6	1924.8	1916.3	1983.3	2331.0	2345.6
40°	1372.2	1367.4	1366.1	1300.3	1255.1	1600.3	1577.2	1536.9	1838.2	1867.5
42.5°	1106.3	1111.2	1114.9	970.9	905.1	1234.4	1221.0	1179.5	1441.8	1475.9
45°	868.5	867.3	874.6	723.3	705.0	789.2	912.4	879.5	1088.0	1124.6
47.5°	450.1	466.0	564.8	559.9	568.4	559.9	690.4	681.9	818.5	877.0
50°	302.5	307.4	315.9	317.1	447.7	412.3	468.4	530.6	573.3	663.6
52.5°	234.2	237.9	215.9	202.5	274.4	304.9	307.4	367.2	400.1	491.6
55°	130.5	146.4	157.4	158.6	151.3	225.7	224.4	272.0	297.6	358.6
57.5°	17.1	20.7	31.7	102.5	101.2	125.6	157.4	197.6	212.2	262.3
60°	1.2	2.4	3.7	15.9	67.1	73.2	107.3	123.2	147.6	184.2
62.5°	0.0	0.0	1.2	3.7	13.4	42.7	56.1	64.6	86.6	120.8
65°	0.0	0.0	1.2	2.4	4.9	15.9	22.0	35.4	51.2	74.4
67.5°	0.0	0.0	1.2	2.4	3.7	6.1	9.8	15.9	26.8	45.1
70°	0.0	0.0	1.2	2.4	3.7	4.9	7.3	9.8	14.6	24.4
72.5°	0.0	0.0	1.2	1.2	2.4	6.1	6.1	7.3	9.8	13.4
75°	0.0	0.0	1.2	2.4	3.7	6.1	6.1	6.1	7.3	8.5
77.5°	0.0	0.0	1.2	2.4	3.7	6.1	4.9	6.1	6.1	6.1
80°	0.0	0.0	1.2	2.4	3.7	6.1	7.3	6.1	4.9	4.9
82.5°	0.0	0.0	1.2	3.7	3.7	8.5	8.5	8.5	3.7	3.7
85°	0.0	0.0	2.4	3.7	6.1	9.8	9.8	7.3	3.7	2.4
87.5°	0.0	0.0	1.2	2.4	2.4	4.9	7.3	6.1	2.4	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P637869

CATALOG NUMBER: IFLD-S-SA2B-735-U-66-VI

**CANDELA DISTRIBUTION (continued):**

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
11345.1	0°	11345.1	11345.1	11345.1	11345.1	11345.1	11345.1	11345.1	11345.1	11345.1
11238.9	2.5°	11329.2	11298.7	11356.0	11363.4	11339.0	11308.5	11237.7	11231.6	11108.4
10990.1	5°	11114.5	11064.5	11101.1	11125.5	11117.0	11084.0	11054.8	11027.9	10916.9
10586.4	7.5°	10714.4	10696.2	10713.2	10731.5	10766.9	10731.5	10719.3	10691.3	10581.5
10188.7	10°	10270.5	10236.3	10300.9	10292.4	10282.7	10272.9	10221.7	10226.5	10097.2
9647.2	12.5°	9725.2	9667.9	9730.1	9737.4	9730.1	9695.9	9638.6	9663.0	9544.7
8915.3	15°	8992.1	8986.0	9031.2	9060.4	9081.2	9044.6	9025.1	9037.3	8966.5
7973.6	17.5°	8091.9	8171.2	8318.8	8368.8	8370.1	8407.9	8396.9	8382.3	8329.8
6930.7	20°	7033.2	7185.7	7412.5	7645.5	7712.6	7680.9	7666.2	7693.1	7615.0
5951.3	22.5°	6056.2	6186.7	6450.1	6790.5	6986.8	7006.4	7002.7	6979.5	6949.0
5166.9	25°	5226.7	5342.6	5595.1	5906.1	6283.0	6339.1	6341.6	6334.3	6307.4
4455.8	27.5°	4526.6	4666.8	4805.9	5084.0	5485.3	5717.1	5687.8	5679.2	5669.5
3855.7	30°	3892.3	4069.1	4199.7	4372.9	4732.7	5046.2	5076.7	5062.0	5038.9
3359.2	32.5°	3389.7	3494.6	3660.5	3777.6	4036.2	4391.2	4508.3	4497.3	4476.6
2911.6	35°	2953.1	2994.5	3125.0	3255.6	3427.6	3771.5	3944.7	3920.3	3916.7
2372.5	37.5°	2432.2	2571.3	2643.2	2775.0	2895.7	3162.9	3401.9	3391.0	3392.2
1907.7	40°	1963.8	2044.3	2187.0	2298.0	2409.0	2604.2	2870.1	2877.4	2875.0
1477.1	42.5°	1507.6	1585.7	1735.7	1856.5	1955.3	2076.0	2329.8	2338.3	2349.3
1150.2	45°	1177.1	1227.1	1336.9	1462.5	1567.4	1640.6	1833.3	1888.2	1889.4
891.7	47.5°	913.6	970.9	1049.0	1169.8	1272.2	1324.7	1464.9	1539.3	1535.7
684.3	50°	717.2	769.7	833.1	928.2	1039.2	1080.7	1184.4	1257.6	1253.9
516.0	52.5°	548.9	616.0	672.1	745.3	853.8	889.2	963.6	1047.8	1035.6
378.1	55°	415.9	484.2	536.7	597.7	696.5	741.6	792.8	859.9	862.4
292.7	57.5°	313.5	384.2	431.8	494.0	568.4	618.4	657.5	729.4	728.2
200.0	60°	224.4	285.4	342.8	407.4	464.7	522.1	548.9	617.2	619.6
141.5	62.5°	162.2	219.6	274.4	330.6	381.8	437.9	462.3	516.0	523.3
92.7	65°	113.4	153.7	217.1	259.8	317.1	358.6	390.3	436.7	445.2
54.9	67.5°	73.2	111.0	172.0	209.8	262.3	297.6	330.6	367.2	378.1
35.4	70°	43.9	84.2	128.1	168.3	215.9	247.6	279.3	311.0	317.1
17.1	72.5°	28.1	58.5	92.7	136.6	173.2	207.4	235.4	258.6	240.3
11.0	75°	15.9	40.3	73.2	107.3	140.3	173.2	196.4	208.6	167.1
7.3	77.5°	9.8	29.3	59.8	86.6	108.6	139.1	153.7	161.0	119.5
4.9	80°	6.1	22.0	50.0	70.7	70.7	102.5	119.5	125.6	86.6
3.7	82.5°	4.9	15.9	39.0	53.7	47.6	76.8	93.9	95.1	61.0
2.4	85°	3.7	12.2	24.4	35.4	32.9	53.7	54.9	61.0	40.3
2.4	87.5°	2.4	7.3	14.6	20.7	18.3	25.6	29.3	32.9	22.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°
11345.1
<i>11012.1</i>
10827.9
10558.3
10053.3
9510.5
8881.1
8251.7
7558.9
6890.5
6217.2
5612.2
5009.6
4421.7
3876.4
3353.1
2832.3
2312.7
1857.7
1522.3
1253.9
1036.8
862.4
725.8
613.5
520.8
442.8
376.9
312.3
223.2
158.6
112.2
80.5
56.1
36.6
19.5
0.0

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