

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: P636605

Luminaire Tested: **IFLD-S-SA6D-930-U-66-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636605  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6D-930-U-66-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor  
Light Source: (96) 3000K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 23298.7 lumens  
Efficiency: N/A  
Efficacy: 63.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G1

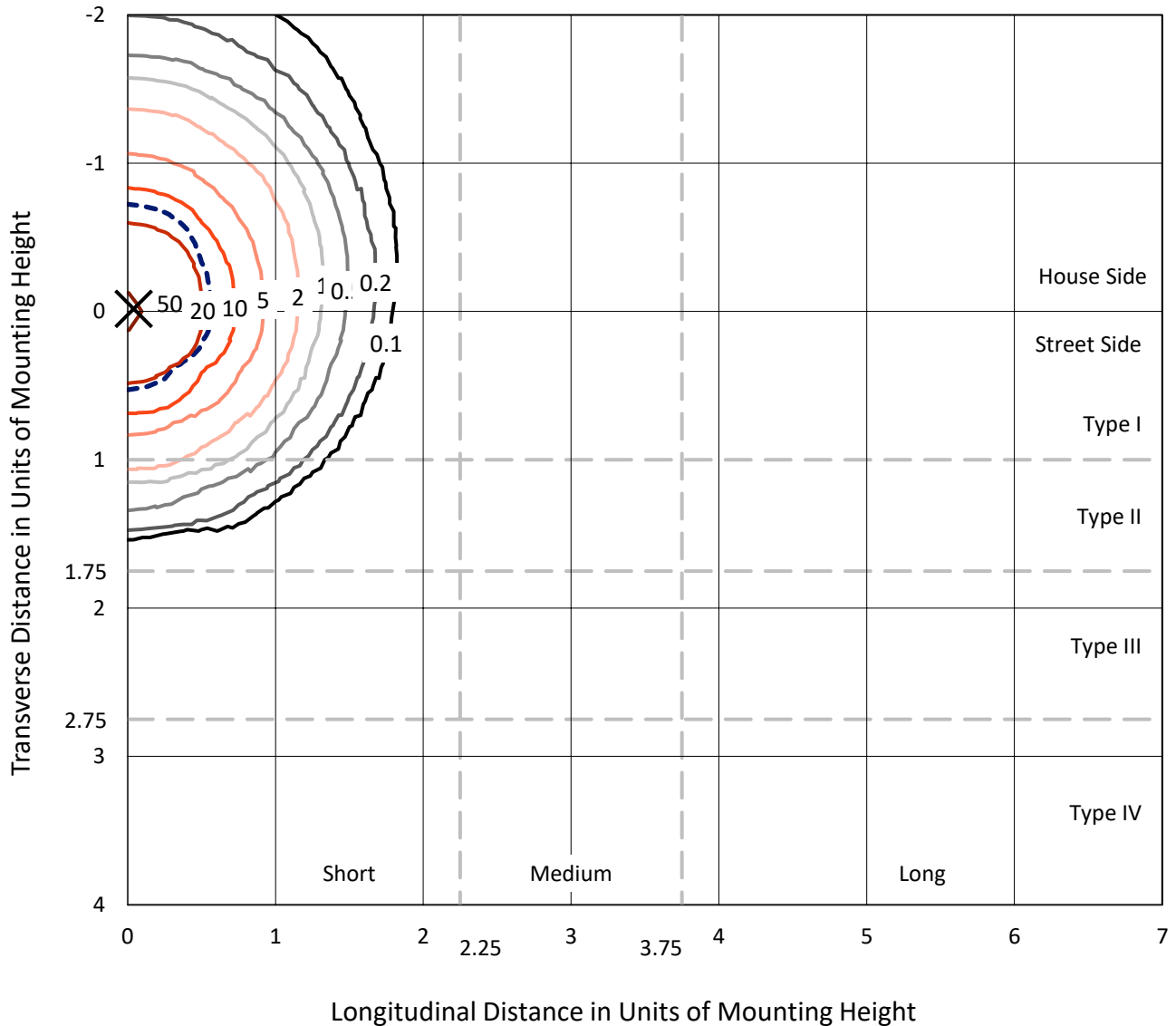
Input Watts (W): 368.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

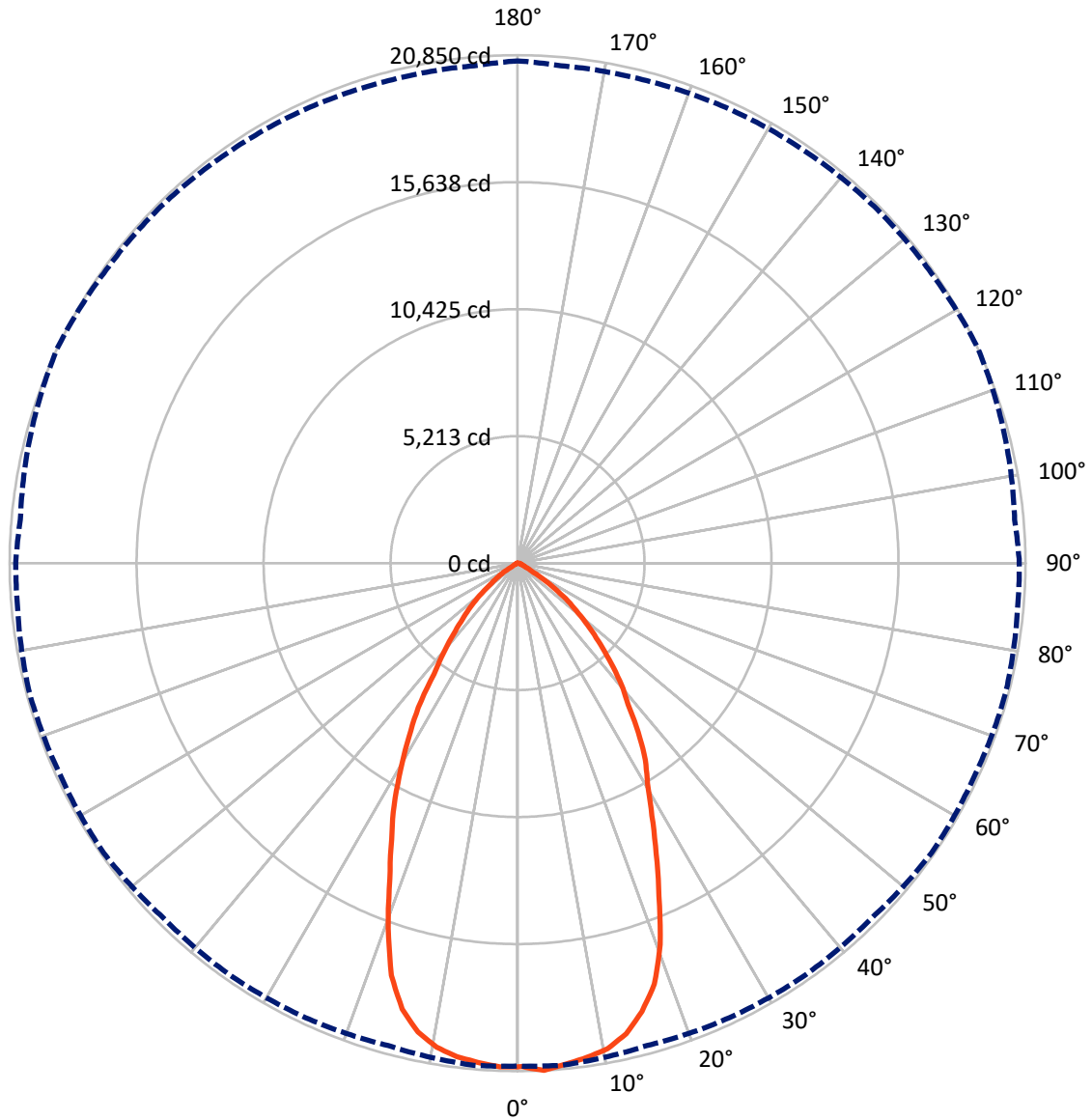
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 51.7 fc  
 Type I - Short - N/A

REPORT NUMBER: P636605  
CATALOG NUMBER: IFLD-S-SA6D-930-U-66-VI

### Luminous Intensity Polar Plot



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

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CATALOG NUMBER: IFLD-S-SA6D-930-U-66-VI

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13333.5	0.0	13333.5
	% Fixture	57.2	0.0	57.2
<b>Street Side</b>	Lumens	9965.2	0.0	9965.2
	% Fixture	42.8	0.0	42.8
<b>Total</b>	Lumens	23298.7	0.0	23298.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1947.0	8.4
10°-20°	5162.5	22.2
20°-30°	5904.8	25.3
30°-40°	5060.3	21.7
40°-50°	3346.1	14.4
50°-60°	1460.1	6.3
60°-70°	286.9	1.2
70°-80°	103.5	0.4
80°-90°	27.5	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°	23298.7	100.0
0°-180°	23298.7	100.0



REPORT NUMBER: P636605

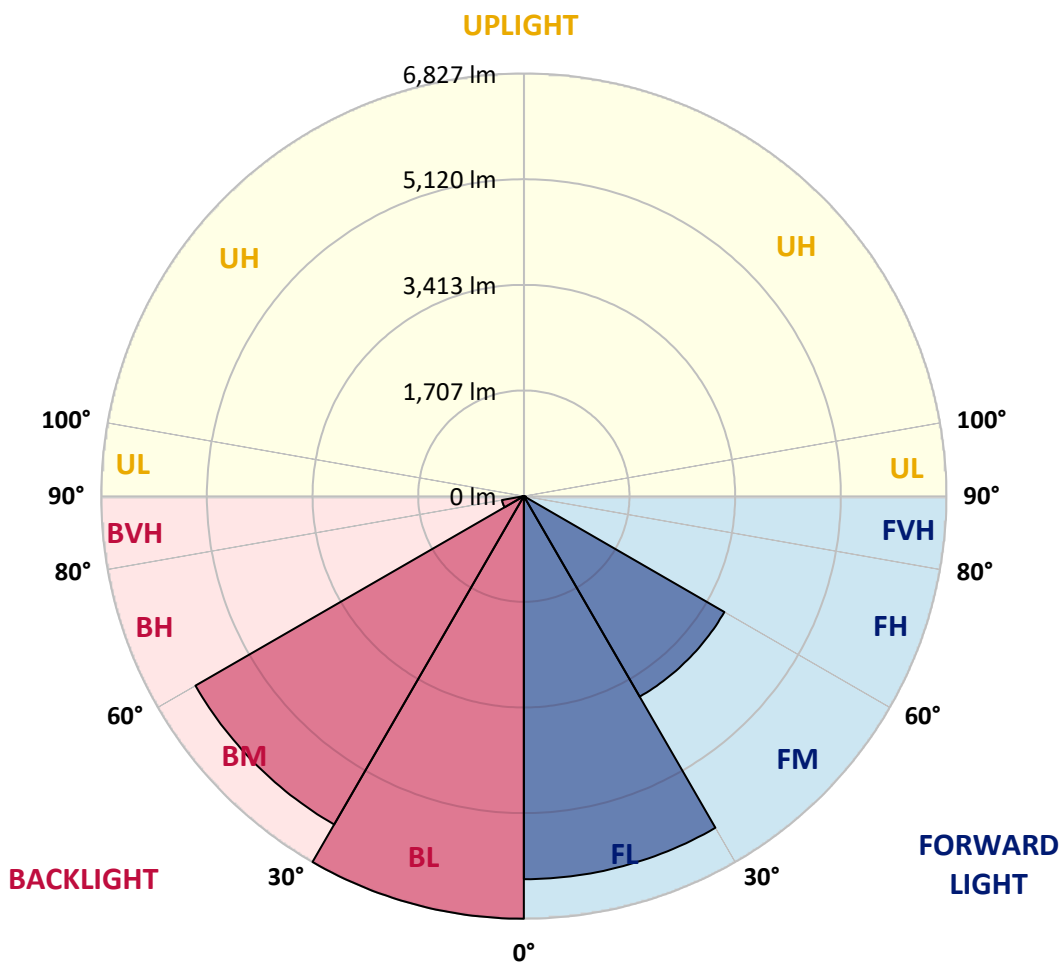
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6187.6	26.6			
FM (30°-60°)	3741.3	16.1			
FH (60°-80°)	31.7	0.1			G0/660
FVH (80°-90°)	4.6	0.0			G0/10
BL (0°-30°)	6826.7	29.3	B5		
BM (30°-60°)	6125.1	26.3	B4/8500		
BH (60°-80°)	358.7	1.5	B1/500		G1/500
BVH (80°-90°)	23.0	0.1			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





REPORT NUMBER: P636605  
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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	20671.8	20671.8	20671.8	20671.8	20671.8	20671.8	20671.8	20671.8	20671.8	20671.8
2.5°	20642.1	20691.6	20503.4	20587.6	20622.3	20577.7	20741.1	20691.6	20731.2	20607.4
5°	20642.1	20691.6	20473.7	20513.3	20523.2	20439.0	20617.3	20557.9	20562.8	20434.1
7.5°	20513.3	20572.8	20374.7	20404.4	20409.3	20340.0	20493.5	20409.3	20379.6	20245.9
10°	20166.6	20201.3	20023.0	20097.3	20166.6	20102.3	20236.0	20141.9	20141.9	20023.0
12.5°	19616.9	19681.3	19483.2	19572.3	19631.8	19557.5	19711.0	19676.3	19681.3	19562.4
15°	18616.5	18393.6	18631.4	18809.7	18814.6	18799.8	18943.4	18908.7	18933.5	18755.2
17.5°	13753.1	13698.7	13976.0	16080.8	17645.8	17858.8	17883.5	17695.3	17611.1	17437.8
20°	12742.8	12782.4	12723.0	12732.9	13966.1	16526.5	16373.0	15907.5	15694.5	15521.2
22.5°	12004.9	11940.5	11900.9	11876.1	11910.8	13579.8	14684.2	13981.0	13867.0	13782.9
25°	11202.6	11172.9	11123.4	11113.4	11093.6	10811.3	12401.1	12465.5	12282.2	12178.2
27.5°	10454.8	10435.0	10380.5	10375.5	10147.7	9464.3	9637.6	11167.9	11118.4	11078.8
30°	9657.4	9617.8	9588.1	9588.1	8899.7	8196.4	7914.1	9736.6	9736.6	9702.0
32.5°	8790.7	8756.0	8766.0	8647.1	7825.0	7181.1	6735.4	8404.4	8924.4	8894.7
35°	5373.5	5363.6	6368.9	7691.3	6725.5	6141.1	6111.4	7191.1	7948.8	8028.0
37.5°	4784.1	4754.4	4769.3	4853.5	5759.8	5527.0	5517.1	5700.3	6765.1	6804.8
40°	4293.8	4274.0	4259.2	3957.1	3669.8	4932.7	4898.0	4779.2	5779.6	5848.9
42.5°	3828.3	3808.5	3808.5	3382.6	2917.0	4056.1	4071.0	3932.3	4873.3	4898.0
45°	3347.9	3333.0	3248.9	2699.1	2565.4	2694.2	3372.7	3214.2	3867.9	4125.4
47.5°	1579.9	1569.9	2273.2	2243.5	2233.6	2154.3	2575.3	2664.5	3070.6	3328.1
50°	1267.8	1257.9	1198.5	1054.9	1837.4	1634.3	1857.2	2050.3	2179.1	2416.8
52.5°	1049.9	1040.0	916.2	812.2	1020.2	1193.6	1109.4	1371.8	1366.9	1624.4
55°	688.4	638.9	703.3	663.6	534.9	866.7	846.9	1040.0	1015.3	1238.1
57.5°	14.9	14.9	34.7	376.4	336.8	366.5	485.3	594.3	668.6	733.0
60°	5.0	5.0	9.9	19.8	138.7	153.5	188.2	217.9	307.1	381.3
62.5°	0.0	0.0	5.0	9.9	19.8	79.2	89.1	104.0	143.6	198.1
65°	0.0	0.0	0.0	5.0	9.9	19.8	29.7	64.4	89.1	113.9
67.5°	0.0	0.0	0.0	5.0	5.0	9.9	19.8	29.7	39.6	79.2
70°	0.0	0.0	0.0	5.0	5.0	9.9	14.9	19.8	29.7	39.6
72.5°	0.0	0.0	0.0	5.0	5.0	14.9	9.9	14.9	19.8	24.8
75°	0.0	0.0	0.0	5.0	5.0	5.0	9.9	14.9	14.9	19.8
77.5°	0.0	0.0	0.0	5.0	9.9	9.9	9.9	9.9	9.9	14.9
80°	0.0	0.0	0.0	5.0	5.0	9.9	14.9	19.8	9.9	9.9
82.5°	0.0	0.0	0.0	9.9	5.0	19.8	29.7	24.8	9.9	5.0
85°	0.0	0.0	0.0	5.0	19.8	24.8	24.8	14.9	5.0	5.0
87.5°	0.0	0.0	0.0	5.0	5.0	9.9	14.9	14.9	5.0	5.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P636605  
 CATALOG NUMBER: IFLD-S-SA6D-930-U-66-VI

**CANDELA DISTRIBUTION (continued):**

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
20671.8	0°	20671.8	20671.8	20671.8	20671.8	20671.8	20671.8	20671.8	20671.8	20671.8
20597.5	2.5°	20483.6	20676.8	20850.1	20741.1	20701.5	20622.3	20562.8	20498.5	20493.5
20419.2	5°	20305.3	20488.6	20656.9	20528.2	20538.1	20498.5	20458.8	20444.0	20453.9
20236.0	7.5°	20151.8	20305.3	20488.6	20379.6	20409.3	20384.6	20364.7	20335.0	20379.6
19998.3	10°	19919.0	20057.7	20270.6	20166.6	20151.8	20127.0	20107.2	20052.7	20077.5
19567.4	12.5°	19408.9	19582.2	19824.9	19706.1	19745.7	19676.3	19646.6	19612.0	19616.9
18819.6	15°	18715.6	18849.3	19096.9	19002.8	19032.5	18987.9	18987.9	18987.9	19022.6
17462.6	17.5°	17507.1	17779.5	18170.8	18051.9	18096.5	18106.4	18096.5	18131.2	18175.7
15531.1	20°	15541.0	16006.5	16719.7	16952.5	17046.6	17051.5	16982.2	17066.4	17155.5
13723.4	22.5°	13733.3	14223.6	14852.6	15491.5	15887.7	15867.9	15877.8	15932.2	16026.3
12113.9	25°	12168.3	12638.8	13208.4	13777.9	14644.6	14822.9	14827.8	14877.4	14951.6
11014.4	27.5°	11039.2	11222.4	11742.4	12316.9	13248.0	13817.5	13787.8	13832.4	13911.6
9637.6	30°	9677.2	10380.5	10499.3	10851.0	11653.3	12698.3	12703.2	12752.7	12832.0
8825.4	32.5°	8800.6	9266.2	9632.6	9642.5	10326.0	11400.7	11613.7	11663.2	11717.7
7983.5	35°	7978.5	8033.0	8528.2	8666.9	9063.1	10127.9	10504.3	10534.0	10623.1
6789.9	37.5°	6903.8	7225.7	7364.4	7859.6	7879.5	8741.2	9489.0	9459.3	9528.6
5844.0	40°	5918.3	6225.3	6576.9	6938.5	6988.0	7631.8	8458.9	8488.6	8518.3
4848.5	42.5°	4888.1	5279.4	5640.9	5883.6	6220.4	6591.8	7379.2	7517.9	7587.3
4155.2	45°	4229.4	4338.4	4769.3	5125.9	5467.6	5640.9	6378.8	6631.4	6676.0
3288.5	47.5°	3333.0	3699.5	3991.7	4293.8	4719.7	4873.3	5408.1	5759.8	5794.4
2441.6	50°	2575.3	2837.8	3238.9	3511.3	4006.6	4090.8	4457.3	4912.9	4957.5
1634.3	52.5°	1842.3	2198.9	2590.2	2852.6	3328.1	3437.0	3709.4	4145.3	4175.0
1253.0	55°	1322.3	1555.1	1877.0	2253.4	2600.1	2842.7	3030.9	3447.0	3486.6
822.1	57.5°	901.4	1119.3	1253.0	1629.4	1837.4	2099.9	2253.4	2570.4	2600.1
391.2	60°	430.9	534.9	638.9	827.1	960.8	1183.7	1282.7	1411.5	1446.1
237.7	62.5°	277.3	326.9	416.0	495.3	624.0	762.7	802.3	911.3	950.9
148.6	65°	183.2	232.8	326.9	346.7	475.4	584.4	633.9	713.2	757.7
89.1	67.5°	104.0	163.4	242.7	287.2	376.4	480.4	534.9	604.2	643.8
59.4	70°	69.3	133.7	193.1	237.7	297.2	386.3	455.6	515.1	539.8
29.7	72.5°	39.6	84.2	133.7	188.2	237.7	321.9	386.3	435.8	287.2
19.8	75°	24.8	64.4	113.9	158.5	198.1	257.5	312.0	307.1	128.8
14.9	77.5°	19.8	49.5	99.1	133.7	163.4	178.3	222.9	252.6	99.1
9.9	80°	14.9	39.6	89.1	113.9	64.4	128.8	173.3	188.2	69.3
9.9	82.5°	9.9	24.8	74.3	79.2	44.6	94.1	138.7	123.8	49.5
5.0	85°	5.0	14.9	24.8	44.6	39.6	44.6	34.7	49.5	34.7
5.0	87.5°	5.0	9.9	19.8	19.8	19.8	14.9	19.8	19.8	19.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
20671.8  
*20612.4*  
20577.7  
20503.4  
20196.4  
19760.5  
19037.5  
18324.3  
17214.9  
16041.2  
15080.4  
13985.9  
12970.6  
11841.5  
10717.2  
9612.8  
8612.4  
7686.3  
6784.9  
5878.6  
5021.9  
4229.4  
3521.2  
2659.5  
1485.8  
960.8  
757.7  
638.9  
534.9  
232.8  
128.8  
99.1  
74.3  
49.5  
34.7  
19.8  
0.0

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