

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: P636619

Luminaire Tested: **IFLD-L-SA8C-930-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636619
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8C-930-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (128) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25817.1 lumens
Efficiency: N/A
Efficacy: 61.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

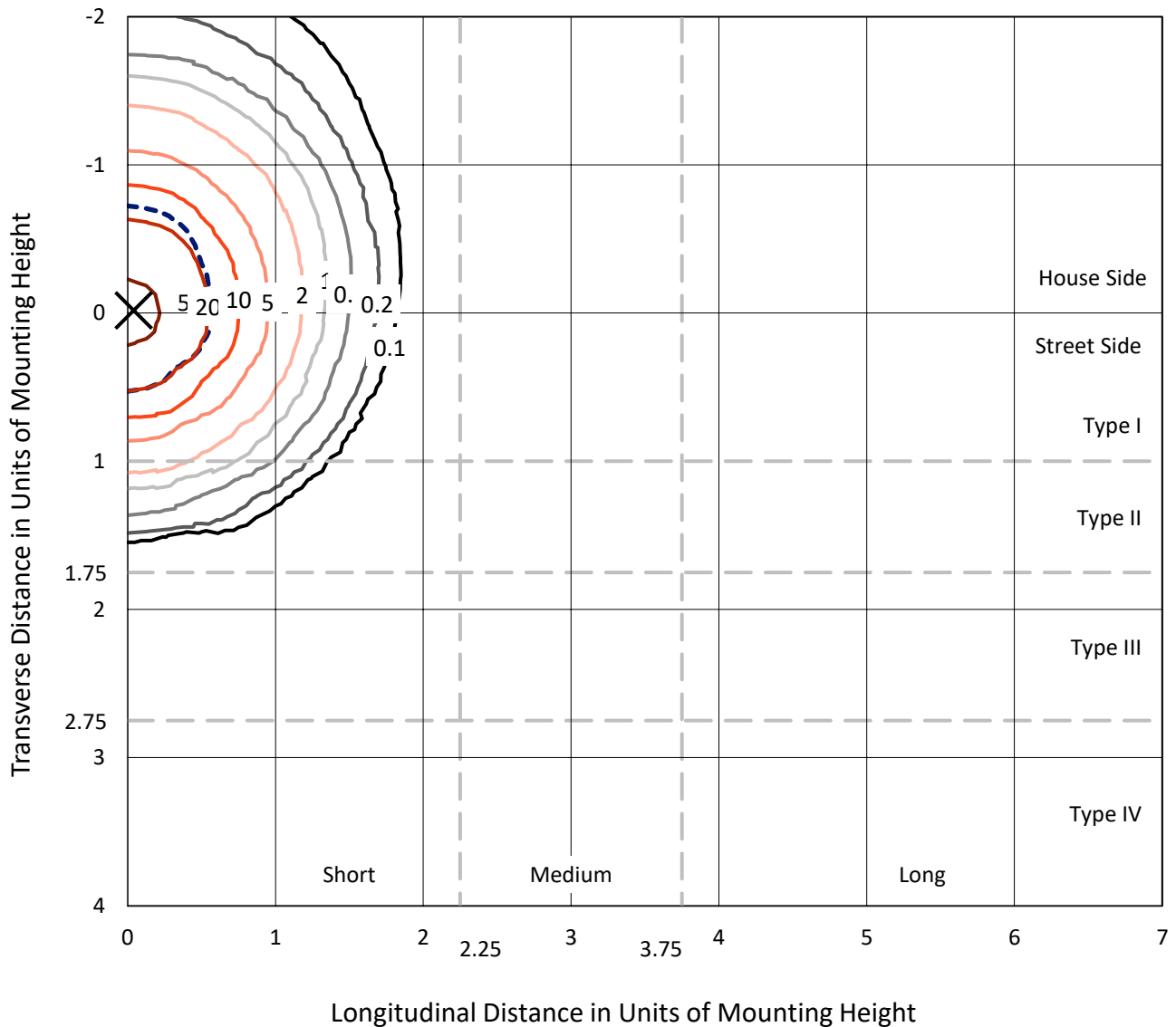
Input Watts (W): 420.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P636619
 CATALOG NUMBER: IFLD-L-SA8C-930-U-66-VI

Iso-Footcandle Lines of Horizontal Illumination

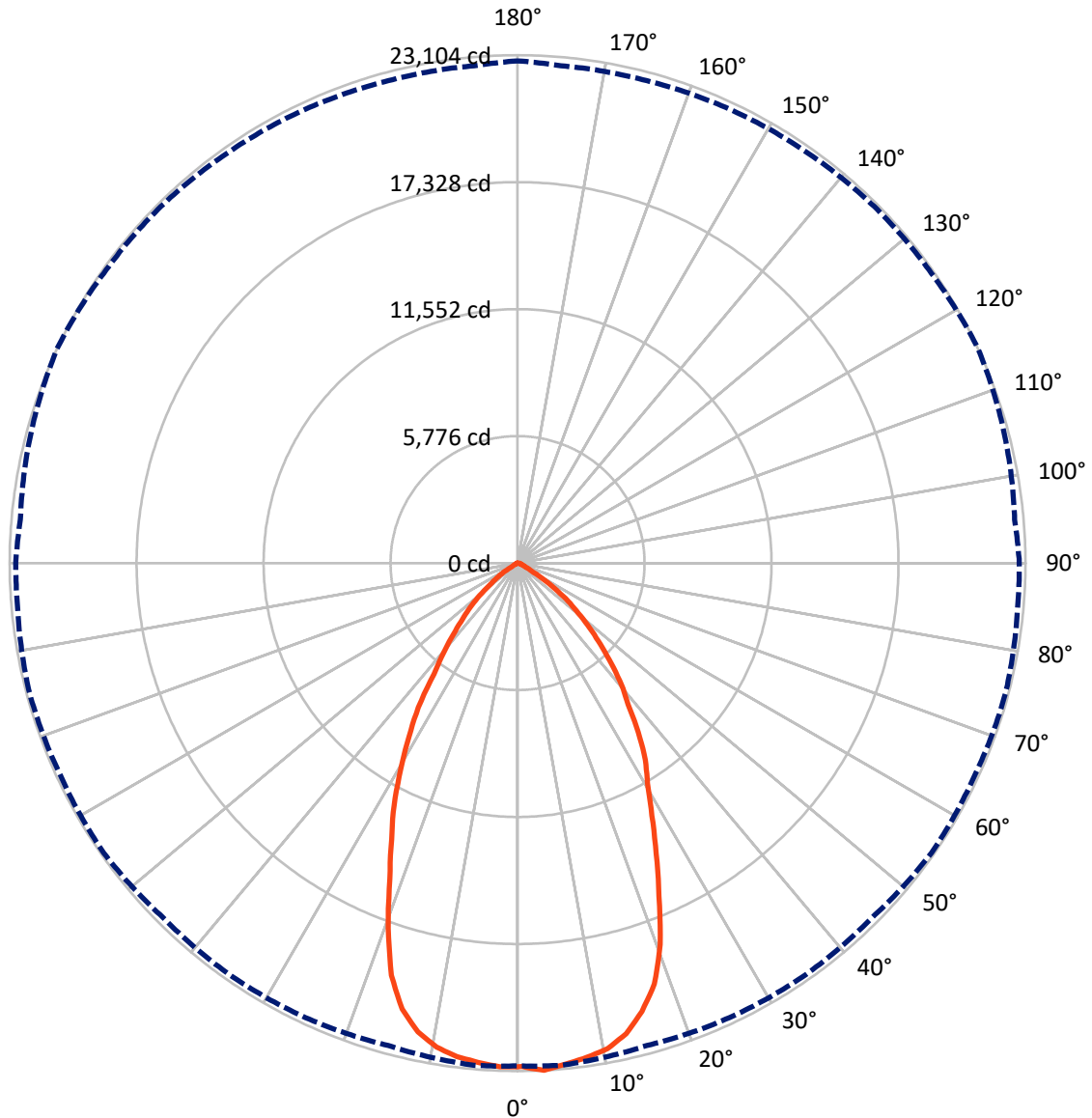
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 57.3 fc
 Type I - Short - N/A

REPORT NUMBER: P636619
CATALOG NUMBER: IFLD-L-SA8C-930-U-66-VI

Luminous Intensity Polar Plot



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

REPORT NUMBER: P636619

CATALOG NUMBER: IFLD-L-SA8C-930-U-66-VI

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14774.8	0.0	14774.8
	% Fixture	57.2	0.0	57.2
Street Side	Lumens	11042.3	0.0	11042.3
	% Fixture	42.8	0.0	42.8
Total	Lumens	25817.1	0.0	25817.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2157.5	8.4
10°-20°	5720.5	22.2
20°-30°	6543.1	25.3
30°-40°	5607.3	21.7
40°-50°	3707.7	14.4
50°-60°	1617.9	6.3
60°-70°	317.9	1.2
70°-80°	114.7	0.4
80°-90°	30.5	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°	25817.1	100.0
0°-180°	25817.1	100.0



REPORT NUMBER: P636619

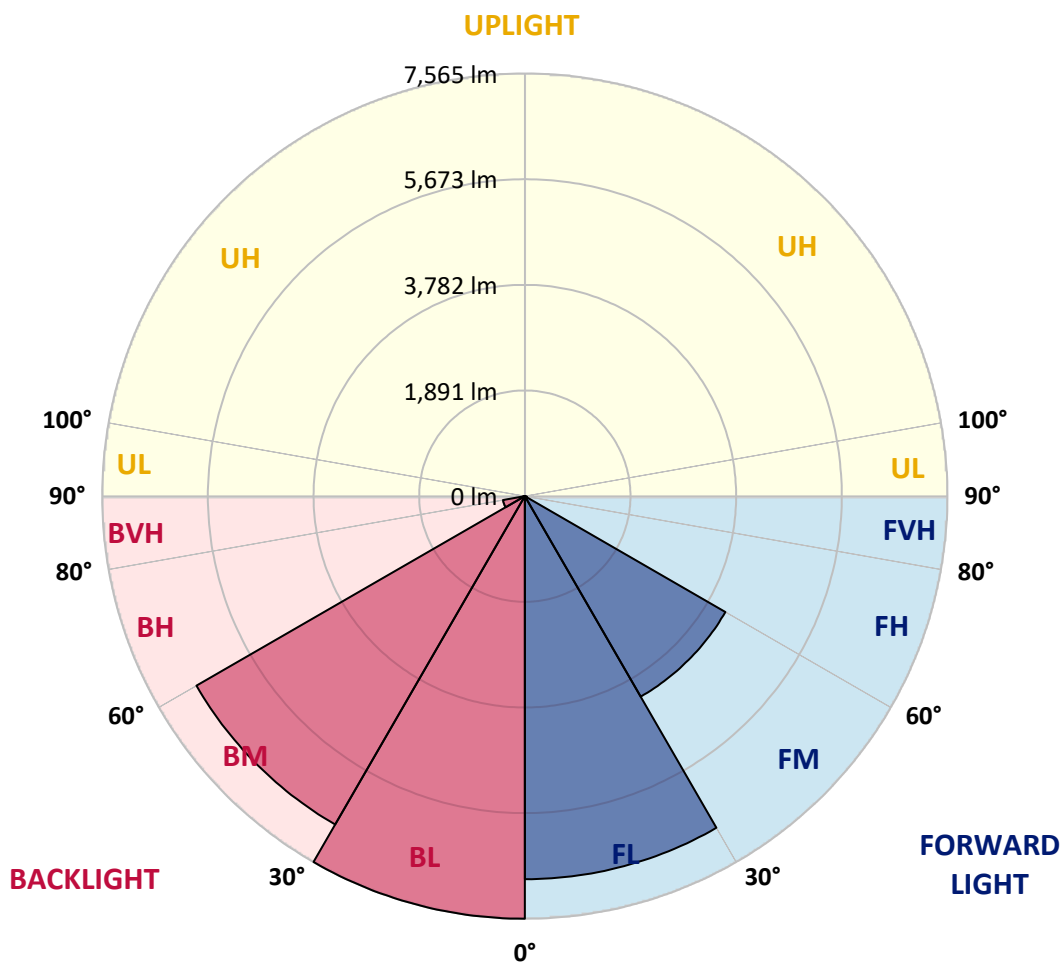
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6856.5	26.6			
FM (30°-60°)	4145.7	16.1			
FH (60°-80°)	35.1	0.1			G0/660
FVH (80°-90°)	5.1	0.0			G0/10
BL (0°-30°)	7564.7	29.3	B5		
BM (30°-60°)	6787.2	26.3	B4/8500		
BH (60°-80°)	397.5	1.5	B1/500		G1/500
BVH (80°-90°)	25.5	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: P636619
 CATALOG NUMBER: IFLD-L-SA8C-930-U-66-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	22906.2	22906.2	22906.2	22906.2	22906.2	22906.2	22906.2	22906.2	22906.2	22906.2
2.5°	22873.3	22928.2	22719.7	22813.0	22851.4	22802.0	22983.1	22928.2	22972.1	22834.9
5°	22873.3	22928.2	22686.7	22730.6	22741.6	22648.3	22845.9	22780.0	22785.5	22642.8
7.5°	22730.6	22796.5	22577.0	22609.9	22615.4	22538.6	22708.7	22615.4	22582.5	22434.3
10°	22346.5	22384.9	22187.3	22269.7	22346.5	22275.1	22423.3	22319.0	22319.0	22187.3
12.5°	21737.3	21808.7	21589.2	21687.9	21753.8	21671.5	21841.6	21803.2	21808.7	21677.0
15°	20628.8	20381.8	20645.3	20842.8	20848.3	20831.8	20991.0	20952.6	20980.0	20782.5
17.5°	15239.7	15179.4	15486.7	17819.0	19553.2	19789.2	19816.6	19608.1	19514.8	19322.7
20°	14120.2	14164.1	14098.3	14109.2	15475.7	18312.9	18142.8	17626.9	17391.0	17198.9
22.5°	13302.5	13231.2	13187.3	13159.8	13198.3	15047.7	16271.4	15492.2	15366.0	15272.7
25°	12413.5	12380.6	12325.7	12314.7	12292.8	11980.0	13741.6	13812.9	13609.8	13494.6
27.5°	11584.8	11562.9	11502.5	11497.0	11244.6	10487.3	10679.3	12375.1	12320.2	12276.3
30°	10701.3	10657.4	10624.5	10624.5	9861.6	9082.4	8769.6	10789.1	10789.1	10750.7
32.5°	9740.9	9702.5	9713.5	9581.8	8670.8	7957.4	7463.5	9312.9	9889.1	9856.2
35°	5954.3	5943.3	7057.4	8522.6	7452.5	6804.9	6772.0	7968.3	8808.0	8895.8
37.5°	5301.3	5268.3	5284.8	5378.1	6382.4	6124.4	6113.5	6316.5	7496.4	7540.3
40°	4758.0	4736.0	4719.5	4384.8	4066.5	5465.9	5427.5	5295.8	6404.3	6481.1
42.5°	4242.1	4220.1	4220.1	3748.2	3232.3	4494.5	4511.0	4357.3	5400.0	5427.5
45°	3709.8	3693.3	3600.0	2990.9	2842.7	2985.4	3737.2	3561.6	4286.0	4571.4
47.5°	1750.6	1739.6	2518.9	2486.0	2475.0	2387.2	2853.7	2952.5	3402.5	3687.8
50°	1404.9	1393.9	1328.1	1168.9	2036.0	1811.0	2057.9	2272.0	2414.6	2678.1
52.5°	1163.4	1152.4	1015.3	900.0	1130.5	1322.6	1229.3	1520.1	1514.6	1800.0
55°	762.8	707.9	779.3	735.4	592.7	960.4	938.4	1152.4	1125.0	1372.0
57.5°	16.5	16.5	38.4	417.1	373.2	406.1	537.8	658.5	740.9	812.2
60°	5.5	5.5	11.0	22.0	153.7	170.1	208.5	241.5	340.2	422.6
62.5°	0.0	0.0	5.5	11.0	22.0	87.8	98.8	115.2	159.1	219.5
65°	0.0	0.0	0.0	5.5	11.0	22.0	32.9	71.3	98.8	126.2
67.5°	0.0	0.0	0.0	5.5	5.5	11.0	22.0	32.9	43.9	87.8
70°	0.0	0.0	0.0	5.5	5.5	11.0	16.5	22.0	32.9	43.9
72.5°	0.0	0.0	0.0	5.5	5.5	16.5	11.0	16.5	22.0	27.4
75°	0.0	0.0	0.0	5.5	5.5	5.5	11.0	16.5	16.5	22.0
77.5°	0.0	0.0	0.0	5.5	11.0	11.0	11.0	11.0	11.0	16.5
80°	0.0	0.0	0.0	5.5	5.5	11.0	16.5	22.0	11.0	11.0
82.5°	0.0	0.0	0.0	11.0	5.5	22.0	32.9	27.4	11.0	5.5
85°	0.0	0.0	0.0	5.5	22.0	27.4	27.4	16.5	5.5	5.5
87.5°	0.0	0.0	0.0	5.5	5.5	11.0	16.5	16.5	5.5	5.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P636619

CATALOG NUMBER: IFLD-L-SA8C-930-U-66-VI

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
22906.2	0°	22906.2	22906.2	22906.2	22906.2	22906.2	22906.2	22906.2	22906.2	22906.2
22823.9	2.5°	22697.7	22911.7	23103.8	22983.1	22939.2	22851.4	22785.5	22714.2	22708.7
22626.4	5°	22500.1	22703.2	22889.8	22747.1	22758.1	22714.2	22670.3	22653.8	22664.8
22423.3	7.5°	22330.0	22500.1	22703.2	22582.5	22615.4	22588.0	22566.0	22533.1	22582.5
22159.9	10°	22072.1	22225.8	22461.7	22346.5	22330.0	22302.6	22280.6	22220.3	22247.7
21682.5	12.5°	21506.8	21698.9	21967.8	21836.1	21880.0	21803.2	21770.3	21731.8	21737.3
20853.8	15°	20738.5	20886.7	21161.1	21056.8	21089.8	21040.4	21040.4	21040.4	21078.8
19350.1	17.5°	19399.5	19701.3	20134.9	20003.2	20052.6	20063.5	20052.6	20091.0	20140.4
17209.9	20°	17220.8	17736.7	18526.9	18784.9	18889.1	18894.6	18817.8	18911.1	19009.9
15206.8	22.5°	15217.8	15761.1	16458.0	17166.0	17605.0	17583.0	17594.0	17654.4	17758.7
13423.3	25°	13483.6	14005.0	14636.1	15267.2	16227.5	16425.1	16430.6	16485.5	16567.8
12205.0	27.5°	12232.4	12435.4	13011.7	13648.3	14680.0	15311.1	15278.1	15327.5	15415.3
10679.3	30°	10723.2	11502.5	11634.2	12023.9	12912.9	14070.8	14076.3	14131.2	14219.0
9779.3	32.5°	9751.9	10267.7	10673.8	10684.8	11442.1	12633.0	12869.0	12923.9	12984.2
8846.4	35°	8840.9	8901.3	9450.1	9603.7	10042.7	11222.6	11639.7	11672.6	11771.4
7523.8	37.5°	7650.0	8006.8	8160.4	8709.2	8731.2	9686.0	10514.7	10481.8	10558.6
6475.7	40°	6558.0	6898.2	7287.9	7688.5	7743.3	8456.8	9373.2	9406.2	9439.1
5372.6	42.5°	5416.5	5850.0	6250.7	6519.6	6892.7	7304.3	8176.9	8330.5	8407.4
4604.3	45°	4686.6	4807.3	5284.8	5679.9	6058.6	6250.7	7068.3	7348.2	7397.6
3643.9	47.5°	3693.3	4099.4	4423.2	4758.0	5229.9	5400.0	5992.7	6382.4	6420.8
2705.5	50°	2853.7	3144.5	3589.0	3890.9	4439.7	4533.0	4939.1	5443.9	5493.3
1811.0	52.5°	2041.5	2436.6	2870.1	3161.0	3687.8	3808.6	4110.4	4593.3	4626.2
1388.4	55°	1465.3	1723.2	2079.9	2497.0	2881.1	3150.0	3358.6	3819.5	3863.4
911.0	57.5°	998.8	1240.3	1388.4	1805.5	2036.0	2326.8	2497.0	2848.2	2881.1
433.5	60°	477.4	592.7	707.9	916.5	1064.6	1311.6	1421.4	1564.0	1602.4
263.4	62.5°	307.3	362.2	461.0	548.8	691.5	845.1	889.0	1009.8	1053.7
164.6	65°	203.1	257.9	362.2	384.1	526.8	647.6	702.4	790.2	839.6
98.8	67.5°	115.2	181.1	268.9	318.3	417.1	532.3	592.7	669.5	713.4
65.9	70°	76.8	148.2	214.0	263.4	329.3	428.1	504.9	570.7	598.2
32.9	72.5°	43.9	93.3	148.2	208.5	263.4	356.7	428.1	482.9	318.3
22.0	75°	27.4	71.3	126.2	175.6	219.5	285.4	345.7	340.2	142.7
16.5	77.5°	22.0	54.9	109.8	148.2	181.1	197.6	247.0	279.9	109.8
11.0	80°	16.5	43.9	98.8	126.2	71.3	142.7	192.1	208.5	76.8
11.0	82.5°	11.0	27.4	82.3	87.8	49.4	104.3	153.7	137.2	54.9
5.5	85°	5.5	16.5	27.4	49.4	43.9	49.4	38.4	54.9	38.4
5.5	87.5°	5.5	11.0	22.0	22.0	22.0	16.5	22.0	22.0	22.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
22906.2
22840.4
22802.0
22719.7
22379.4
21896.5
21095.3
20305.0
19075.7
17775.1
16710.5
15497.7
14372.7
13121.4
11875.7
10651.9
9543.4
8517.1
7518.3
6514.1
5564.7
4686.6
3901.9
2947.0
1646.4
1064.6
839.6
707.9
592.7
257.9
142.7
109.8
82.3
54.9
38.4
22.0
0.0

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