

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: P636616

Luminaire Tested: **IFLD-L-SA7E-930-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636616
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7E-930-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (112) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28766.2 lumens
Efficiency: N/A
Efficacy: 54.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

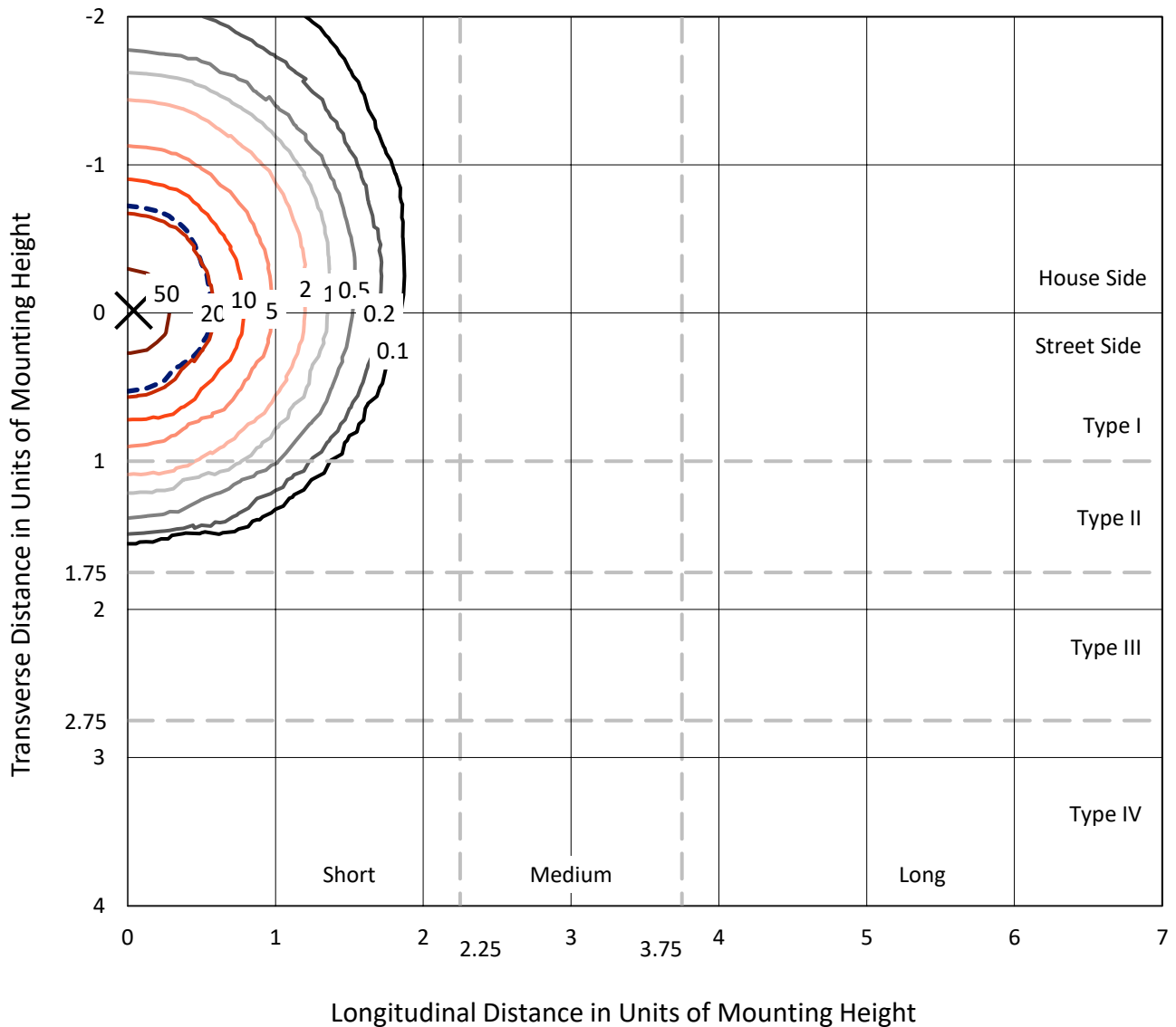
Input Watts (W): 532.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

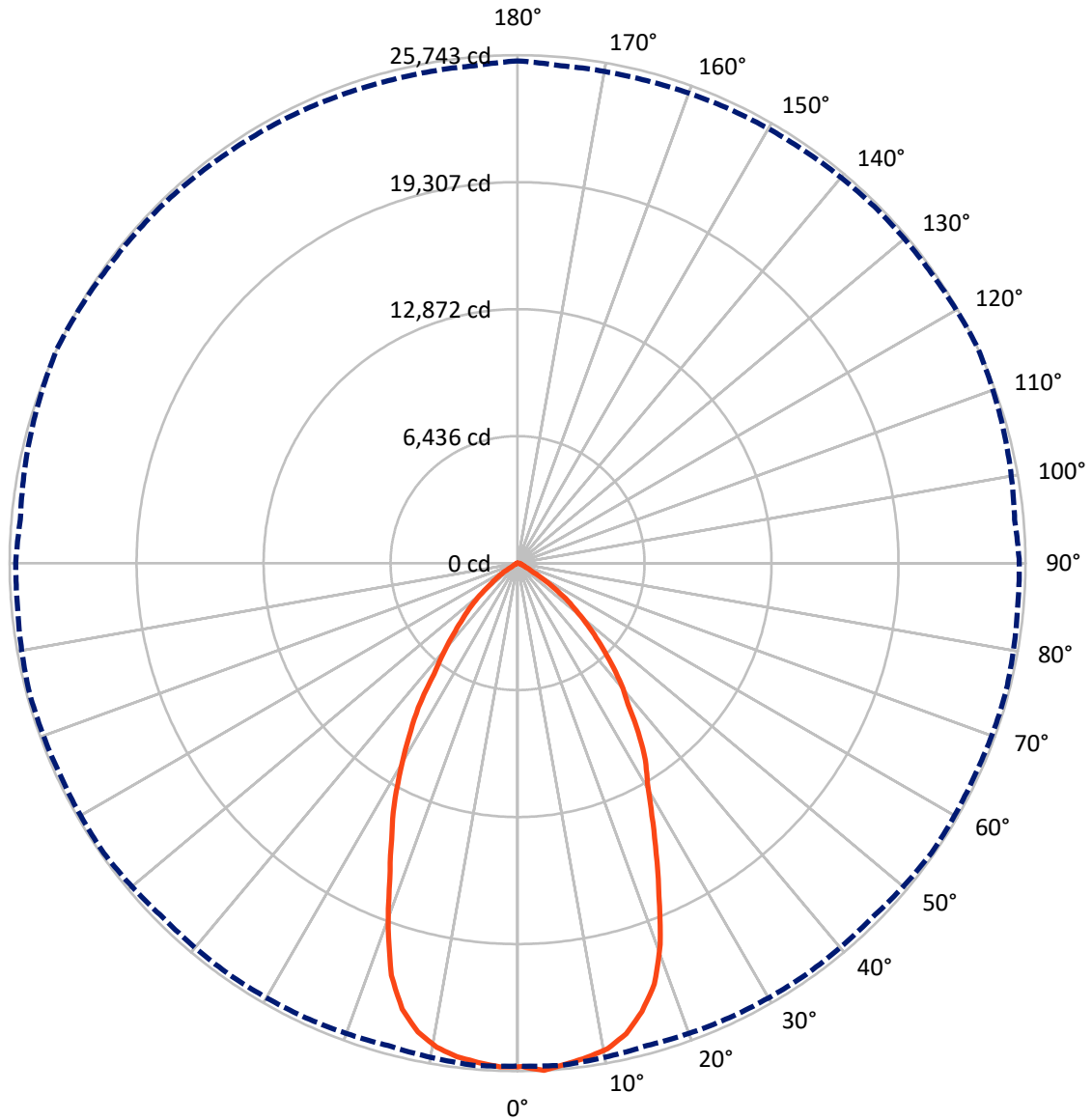
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 63.8 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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

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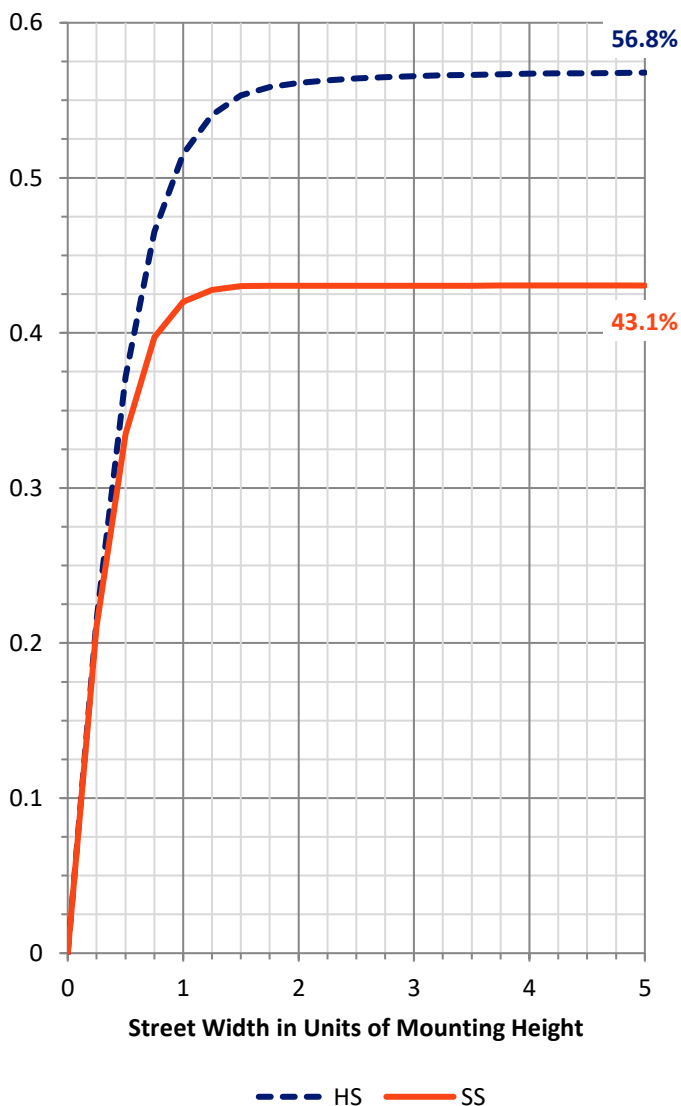
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16462.5	0.0	16462.5
	% Fixture	57.2	0.0	57.2
Street Side	Lumens	12303.7	0.0	12303.7
	% Fixture	42.8	0.0	42.8
Total	Lumens	28766.2	0.0	28766.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2403.9	8.4
10°-20°	6374.0	22.2
20°-30°	7290.5	25.3
30°-40°	6247.8	21.7
40°-50°	4131.3	14.4
50°-60°	1802.7	6.3
60°-70°	354.2	1.2
70°-80°	127.8	0.4
80°-90°	34.0	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°	28766.2	100.0
0°-180°	28766.2	100.0



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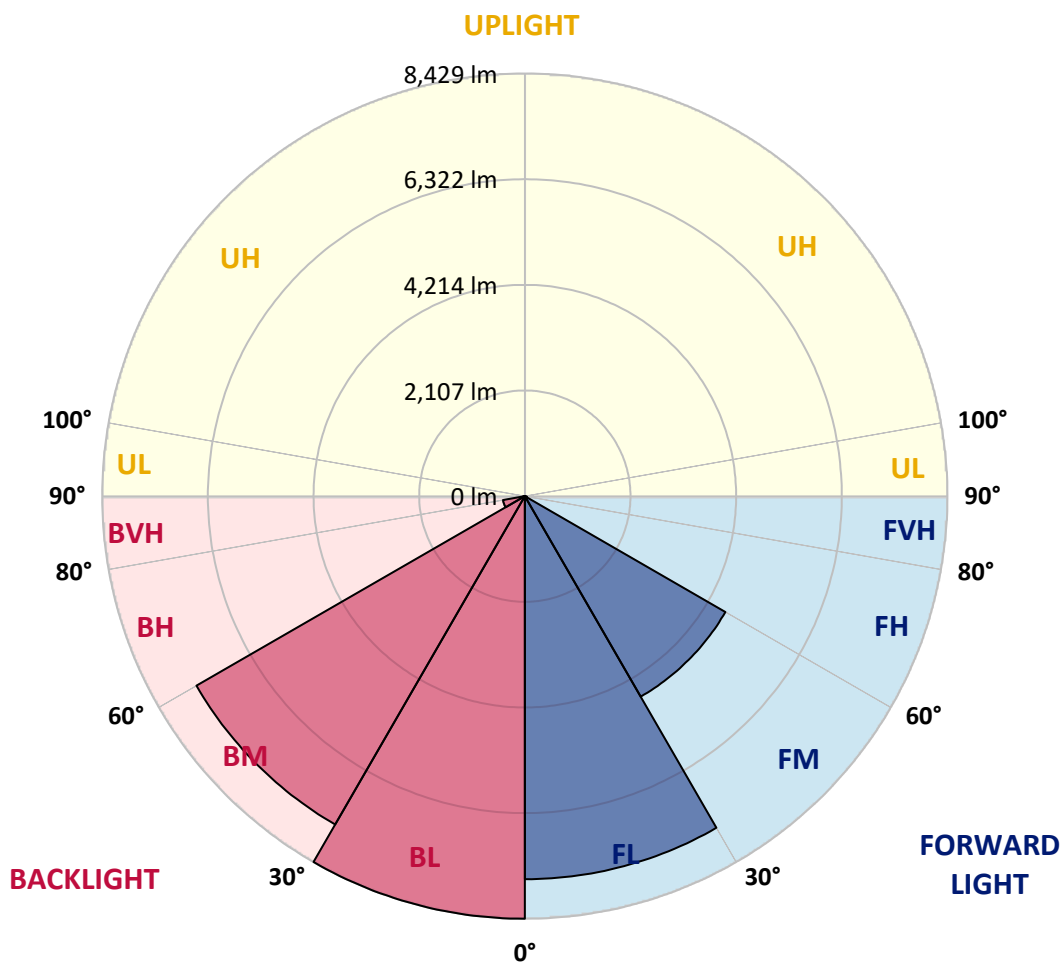
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7639.7	26.6			
FM (30°-60°)	4619.2	16.1			
FH (60°-80°)	39.1	0.1			G0/660
FVH (80°-90°)	5.6	0.0			G0/10
BL (0°-30°)	8428.8	29.3	B5		
BM (30°-60°)	7562.5	26.3	B4/8500		
BH (60°-80°)	442.9	1.5	B1/500		G1/500
BVH (80°-90°)	28.4	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	25522.9	25522.9	25522.9	25522.9	25522.9	25522.9	25522.9	25522.9	25522.9	25522.9
2.5°	25486.2	25547.3	25315.0	25418.9	25461.7	25406.7	25608.5	25547.3	25596.3	25443.4
5°	25486.2	25547.3	25278.3	25327.2	25339.4	25235.5	25455.6	25382.2	25388.4	25229.4
7.5°	25327.2	25400.6	25156.0	25192.7	25198.8	25113.2	25302.7	25198.8	25162.1	24997.0
10°	24899.2	24942.0	24721.8	24813.6	24899.2	24819.7	24984.8	24868.6	24868.6	24721.8
12.5°	24220.4	24299.9	24055.3	24165.4	24238.8	24147.1	24336.6	24293.8	24299.9	24153.2
15°	22985.3	22710.1	23003.6	23223.7	23229.9	23211.5	23388.8	23346.0	23376.6	23156.5
17.5°	16980.6	16913.3	17255.8	19854.5	21786.8	22049.7	22080.3	21847.9	21744.0	21530.0
20°	15733.2	15782.1	15708.7	15721.0	17243.5	20404.9	20215.3	19640.5	19377.6	19163.6
22.5°	14822.1	14742.6	14693.7	14663.1	14705.9	16766.6	18130.2	17261.9	17121.2	17017.3
25°	13831.5	13794.8	13733.7	13721.5	13697.0	13348.5	15311.3	15390.8	15164.5	15036.1
27.5°	12908.2	12883.7	12816.5	12810.4	12529.1	11685.2	11899.3	13788.7	13727.6	13678.6
30°	11923.7	11874.8	11838.1	11838.1	10988.2	10119.9	9771.3	12021.6	12021.6	11978.8
32.5°	10853.6	10810.8	10823.1	10676.3	9661.3	8866.4	8316.0	10376.7	11018.7	10982.1
35°	6634.5	6622.3	7863.5	9496.2	8303.8	7582.3	7545.6	8878.6	9814.1	9912.0
37.5°	5906.8	5870.1	5888.5	5992.4	7111.4	6824.0	6811.8	7038.1	8352.7	8401.6
40°	5301.5	5277.0	5258.7	4885.7	4531.0	6090.3	6047.5	5900.7	7135.9	7221.5
42.5°	4726.7	4702.2	4702.2	4176.4	3601.6	5008.0	5026.3	4855.1	6016.9	6047.5
45°	4133.6	4115.2	4011.3	3332.5	3167.4	3326.4	4164.1	3968.5	4775.6	5093.6
47.5°	1950.6	1938.4	2806.7	2770.0	2757.7	2659.9	3179.7	3289.7	3791.1	4109.1
50°	1565.4	1553.1	1479.8	1302.4	2268.6	2017.9	2293.0	2531.5	2690.5	2984.0
52.5°	1296.3	1284.1	1131.2	1002.8	1259.6	1473.6	1369.7	1693.8	1687.7	2005.6
55°	849.9	788.8	868.3	819.4	660.4	1070.1	1045.6	1284.1	1253.5	1528.7
57.5°	18.3	18.3	42.8	464.7	415.8	452.5	599.2	733.8	825.5	905.0
60°	6.1	6.1	12.2	24.5	171.2	189.6	232.4	269.0	379.1	470.8
62.5°	0.0	0.0	6.1	12.2	24.5	97.8	110.1	128.4	177.3	244.6
65°	0.0	0.0	0.0	6.1	12.2	24.5	36.7	79.5	110.1	140.6
67.5°	0.0	0.0	0.0	6.1	6.1	12.2	24.5	36.7	48.9	97.8
70°	0.0	0.0	0.0	6.1	6.1	12.2	18.3	24.5	36.7	48.9
72.5°	0.0	0.0	0.0	6.1	6.1	18.3	12.2	18.3	24.5	30.6
75°	0.0	0.0	0.0	6.1	6.1	6.1	12.2	18.3	18.3	24.5
77.5°	0.0	0.0	0.0	6.1	12.2	12.2	12.2	12.2	12.2	18.3
80°	0.0	0.0	0.0	6.1	6.1	12.2	18.3	24.5	12.2	12.2
82.5°	0.0	0.0	0.0	12.2	6.1	24.5	36.7	30.6	12.2	6.1
85°	0.0	0.0	0.0	6.1	24.5	30.6	30.6	18.3	6.1	6.1
87.5°	0.0	0.0	0.0	6.1	6.1	12.2	18.3	18.3	6.1	6.1
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°
25522.9	0°	25522.9	25522.9	25522.9	25522.9	25522.9	25522.9	25522.9	25522.9	25522.9
25431.2	2.5°	25290.5	25529.0	25743.0	25608.5	25559.6	25461.7	25388.4	25308.9	25302.7
25211.0	5°	25070.4	25296.6	25504.5	25345.6	25357.8	25308.9	25259.9	25241.6	25253.8
24984.8	7.5°	24880.8	25070.4	25296.6	25162.1	25198.8	25168.2	25143.8	25107.1	25162.1
24691.3	10°	24593.4	24764.7	25027.6	24899.2	24880.8	24850.3	24825.8	24758.5	24789.1
24159.3	12.5°	23963.6	24177.6	24477.3	24330.5	24379.4	24293.8	24257.1	24214.3	24220.4
23236.0	15°	23107.6	23272.7	23578.4	23462.2	23498.9	23443.9	23443.9	23443.9	23486.7
21560.5	17.5°	21615.6	21951.9	22434.9	22288.2	22343.2	22355.4	22343.2	22386.0	22441.1
19175.8	20°	19188.0	19762.8	20643.3	20930.7	21046.9	21053.0	20967.4	21071.4	21181.4
16943.9	22.5°	16956.1	17561.5	18338.1	19126.9	19616.1	19591.6	19603.8	19671.1	19787.3
14956.6	25°	15023.9	15604.8	16308.0	17011.2	18081.3	18301.4	18307.5	18368.6	18460.4
13599.2	27.5°	13629.7	13856.0	14498.0	15207.3	16356.9	17060.1	17023.4	17078.4	17176.3
11899.3	30°	11948.2	12816.5	12963.2	13397.4	14388.0	15678.2	15684.3	15745.4	15843.3
10896.4	32.5°	10865.9	11440.7	11893.1	11905.4	12749.2	14076.1	14339.0	14400.2	14467.4
9856.9	35°	9850.8	9918.1	10529.6	10700.8	11190.0	12504.6	12969.3	13006.0	13116.1
8383.3	37.5°	8523.9	8921.4	9092.6	9704.1	9728.5	10792.5	11715.8	11679.1	11764.7
7215.4	40°	7307.1	7686.2	8120.4	8566.7	8627.9	9422.8	10444.0	10480.6	10517.3
5986.3	42.5°	6035.2	6518.3	6964.7	7264.3	7680.1	8138.7	9110.9	9282.2	9367.8
5130.3	45°	5222.0	5356.5	5888.5	6328.7	6750.7	6964.7	7875.8	8187.6	8242.7
4060.2	47.5°	4115.2	4567.7	4928.5	5301.5	5827.3	6016.9	6677.3	7111.4	7154.2
3014.6	50°	3179.7	3503.7	3999.0	4335.3	4946.8	5050.8	5503.3	6065.8	6120.8
2017.9	52.5°	2274.7	2714.9	3198.0	3522.1	4109.1	4243.6	4579.9	5118.0	5154.7
1547.0	55°	1632.6	1920.0	2317.5	2782.2	3210.2	3509.9	3742.2	4255.9	4304.8
1015.0	57.5°	1112.9	1381.9	1547.0	2011.7	2268.6	2592.6	2782.2	3173.5	3210.2
483.1	60°	532.0	660.4	788.8	1021.2	1186.3	1461.4	1583.7	1742.7	1785.5
293.5	62.5°	342.4	403.6	513.6	611.5	770.5	941.7	990.6	1125.1	1174.0
183.4	65°	226.2	287.4	403.6	428.0	587.0	721.5	782.7	880.5	935.6
110.1	67.5°	128.4	201.8	299.6	354.7	464.7	593.1	660.4	746.0	794.9
73.4	70°	85.6	165.1	238.5	293.5	366.9	476.9	562.6	635.9	666.5
36.7	72.5°	48.9	104.0	165.1	232.4	293.5	397.5	476.9	538.1	354.7
24.5	75°	30.6	79.5	140.6	195.7	244.6	318.0	385.2	379.1	159.0
18.3	77.5°	24.5	61.1	122.3	165.1	201.8	220.1	275.2	311.9	122.3
12.2	80°	18.3	48.9	110.1	140.6	79.5	159.0	214.0	232.4	85.6
12.2	82.5°	12.2	30.6	91.7	97.8	55.0	116.2	171.2	152.9	61.1
6.1	85°	6.1	18.3	30.6	55.0	48.9	55.0	42.8	61.1	42.8
6.1	87.5°	6.1	12.2	24.5	24.5	24.5	18.3	24.5	24.5	24.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
25522.9
25449.5
25406.7
25315.0
24935.9
24397.8
23505.0
22624.5
21254.8
19805.6
18619.4
17268.0
16014.5
14620.3
13232.3
11868.7
10633.5
9490.1
8377.2
7258.2
6200.3
5222.0
4347.6
3283.6
1834.4
1186.3
935.6
788.8
660.4
287.4
159.0
122.3
91.7
61.1
42.8
24.5
0.0

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