

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: P636635

Luminaire Tested: **IFLD-S-SA6E-935-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636635
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6E-935-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (96) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27974.2 lumens
Efficiency: N/A
Efficacy: 60.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

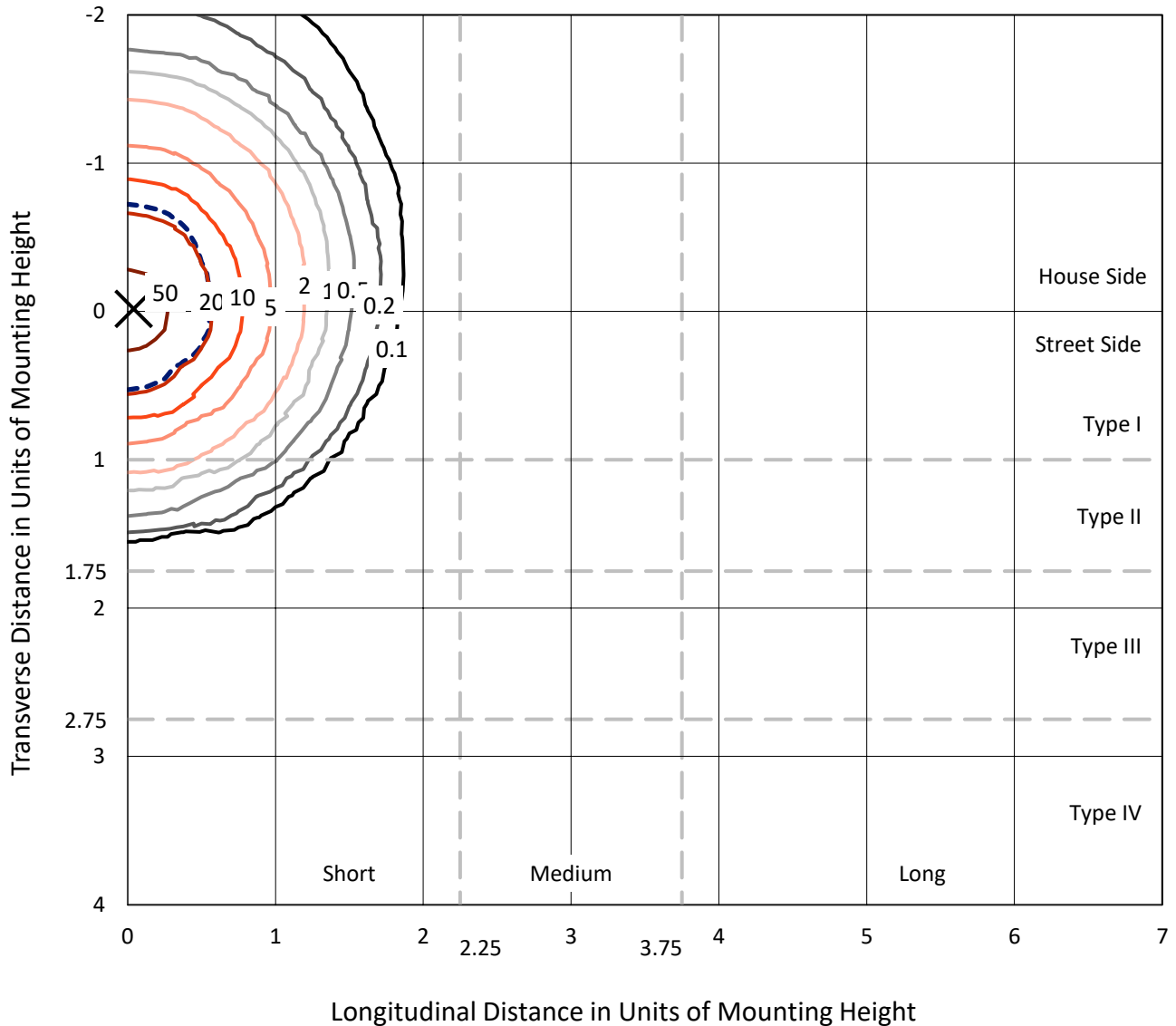
Input Watts (W): 464.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

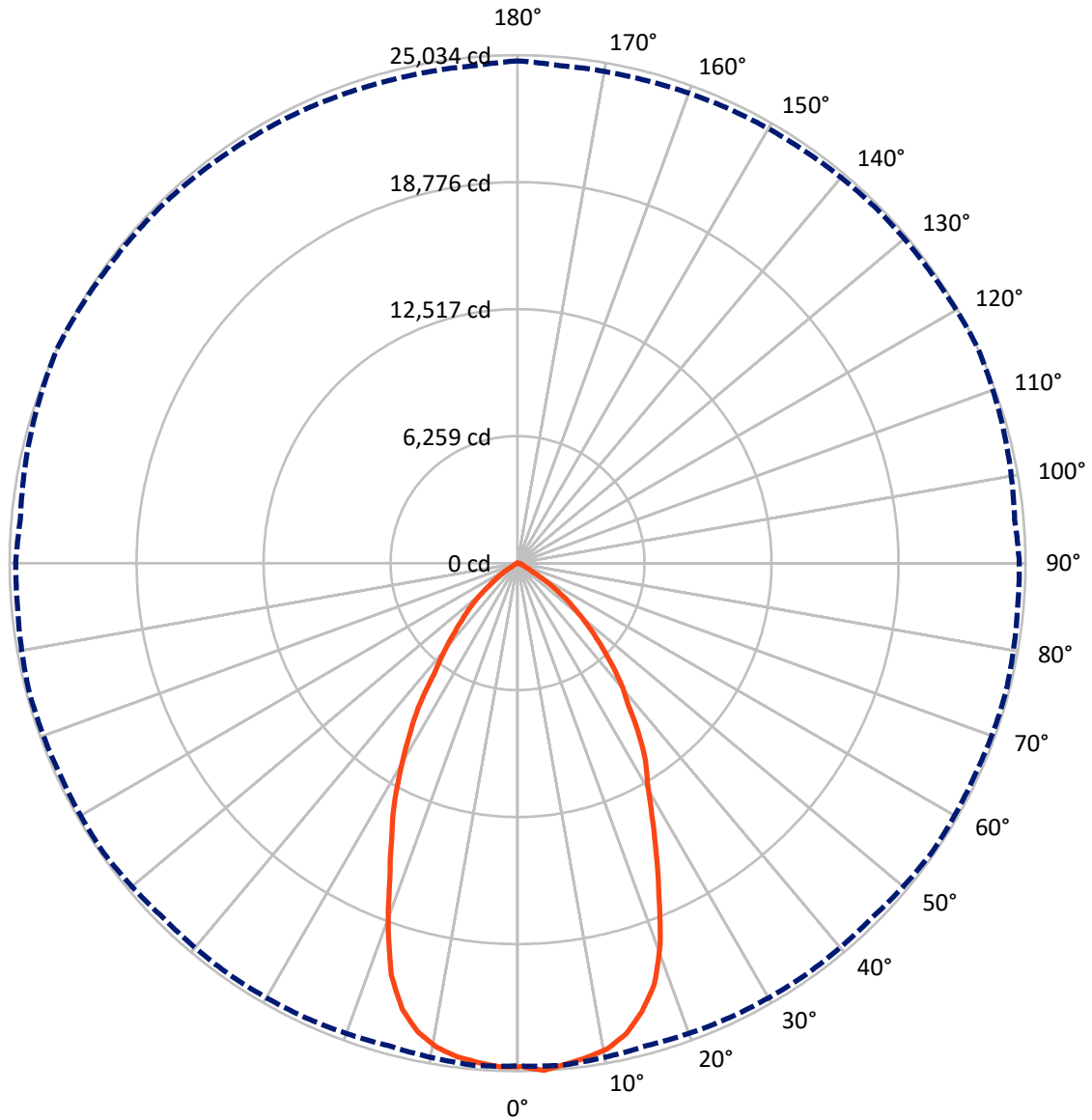
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 62.1 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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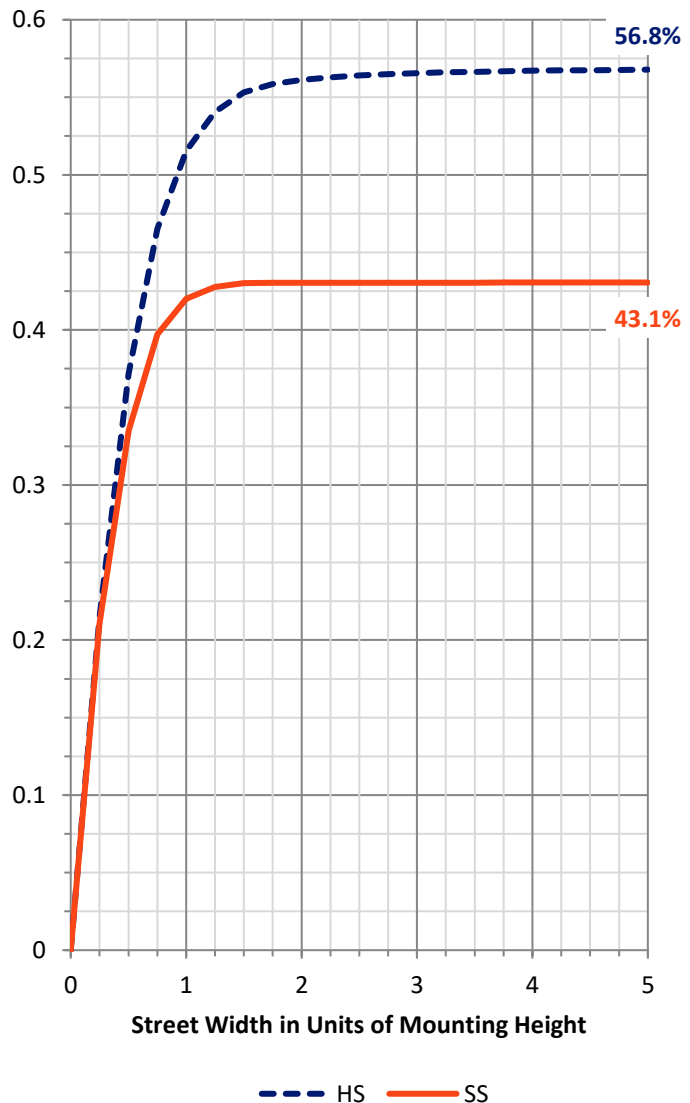
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16009.3	0.0	16009.3
	% Fixture	57.2	0.0	57.2
Street Side	Lumens	11964.9	0.0	11964.9
	% Fixture	42.8	0.0	42.8
Total	Lumens	27974.2	0.0	27974.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2337.8	8.4
10°-20°	6198.5	22.2
20°-30°	7089.8	25.3
30°-40°	6075.8	21.7
40°-50°	4017.5	14.4
50°-60°	1753.1	6.3
60°-70°	344.4	1.2
70°-80°	124.3	0.4
80°-90°	33.0	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°	27974.2	100.0
0°-180°	27974.2	100.0



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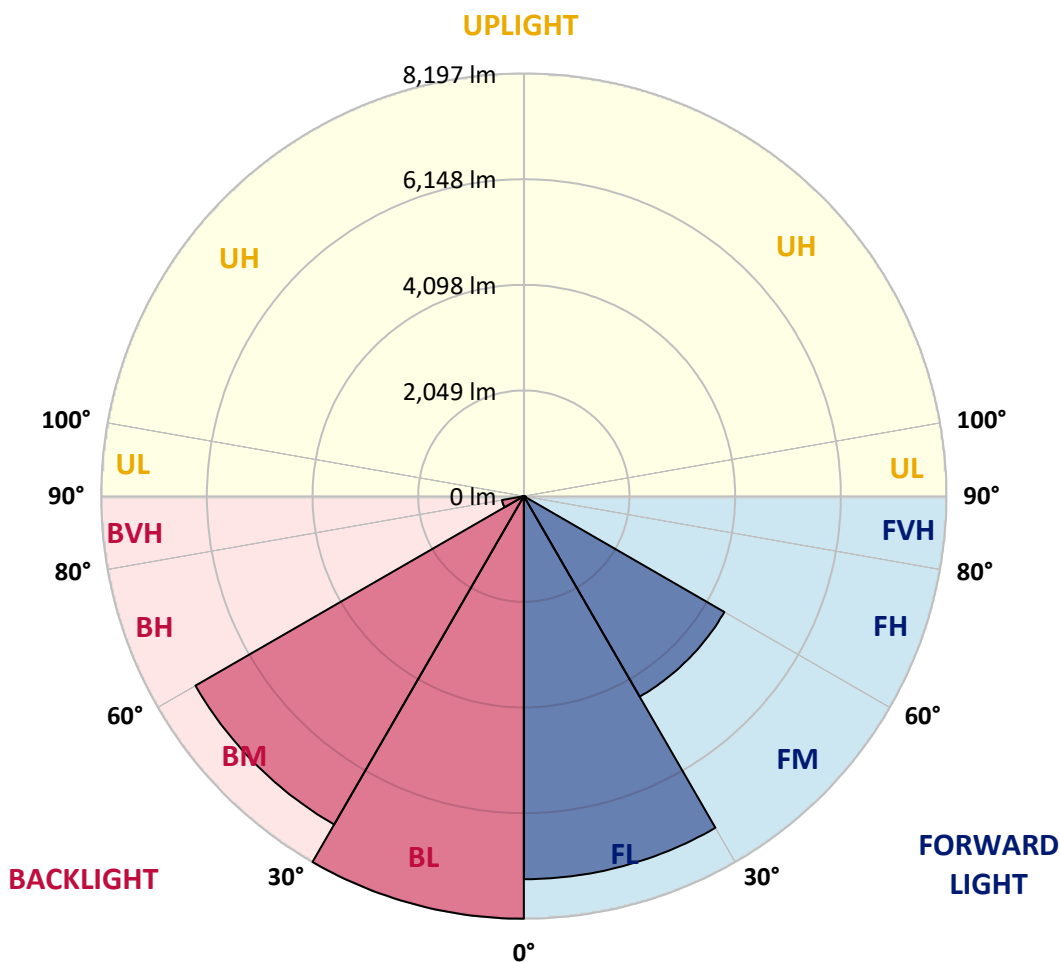
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7429.4	26.6			
FM (30°-60°)	4492.1	16.1			
FH (60°-80°)	38.0	0.1			G0/660
FVH (80°-90°)	5.5	0.0			G0/10
BL (0°-30°)	8196.7	29.3	B5		
BM (30°-60°)	7354.3	26.3	B4/8500		
BH (60°-80°)	430.7	1.5	B1/500		G1/500
BVH (80°-90°)	27.6	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°	24820.2	24820.2	24820.2	24820.2	24820.2	24820.2	24820.2	24820.2	24820.2	24820.2
2.5°	24784.5	24844.0	24618.0	24719.1	24760.7	24707.2	24903.4	24844.0	24891.5	24742.9
5°	24784.5	24844.0	24582.3	24629.9	24641.8	24540.7	24754.8	24683.4	24689.4	24534.8
7.5°	24629.9	24701.3	24463.4	24499.1	24505.0	24421.8	24606.1	24505.0	24469.3	24308.8
10°	24213.7	24255.3	24041.2	24130.4	24213.7	24136.3	24296.9	24183.9	24183.9	24041.2
12.5°	23553.6	23630.9	23393.0	23500.1	23571.4	23482.2	23666.6	23625.0	23630.9	23488.2
15°	22352.4	22084.8	22370.3	22584.3	22590.3	22572.4	22744.9	22703.3	22733.0	22518.9
17.5°	16513.1	16447.7	16780.7	19307.9	21186.9	21442.6	21472.4	21246.4	21145.3	20937.2
20°	15300.0	15347.6	15276.2	15288.1	16768.8	19843.1	19658.7	19099.8	18844.1	18635.9
22.5°	14414.0	14336.7	14289.1	14259.4	14301.0	16305.0	17631.0	16786.6	16649.9	16548.8
25°	13450.7	13415.0	13355.6	13343.7	13319.9	12980.9	14889.7	14967.0	14747.0	14622.1
27.5°	12552.8	12529.0	12463.6	12457.7	12184.1	11363.5	11571.7	13409.1	13349.6	13302.0
30°	11595.4	11547.9	11512.2	11512.2	10685.6	9841.3	9502.3	11690.6	11690.6	11649.0
32.5°	10554.8	10513.2	10525.1	10382.4	9395.3	8622.2	8087.1	10091.0	10715.4	10679.7
35°	6451.8	6439.9	7647.0	9234.7	8075.2	7373.5	7337.8	8634.1	9543.9	9639.1
37.5°	5744.2	5708.5	5726.4	5827.5	6915.6	6636.2	6624.3	6844.3	8122.8	8170.3
40°	5155.5	5131.7	5113.9	4751.2	4406.3	5922.6	5881.0	5738.3	6939.4	7022.7
42.5°	4596.5	4572.8	4572.8	4061.4	3502.4	4870.1	4887.9	4721.4	5851.2	5881.0
45°	4019.8	4001.9	3900.8	3240.8	3080.2	3234.8	4049.5	3859.2	4644.1	4953.3
47.5°	1896.9	1885.0	2729.4	2693.7	2681.8	2586.7	3092.1	3199.2	3686.8	3996.0
50°	1522.3	1510.4	1439.0	1266.6	2206.1	1962.3	2229.9	2461.8	2616.4	2901.8
52.5°	1260.6	1248.7	1100.1	975.2	1225.0	1433.1	1332.0	1647.1	1641.2	1950.4
55°	826.5	767.1	844.4	796.8	642.2	1040.6	1016.8	1248.7	1219.0	1486.6
57.5°	17.8	17.8	41.6	451.9	404.4	440.0	582.7	713.6	802.8	880.1
60°	5.9	5.9	11.9	23.8	166.5	184.3	226.0	261.6	368.7	457.9
62.5°	0.0	0.0	5.9	11.9	23.8	95.1	107.0	124.9	172.4	237.9
65°	0.0	0.0	0.0	5.9	11.9	23.8	35.7	77.3	107.0	136.8
67.5°	0.0	0.0	0.0	5.9	5.9	11.9	23.8	35.7	47.6	95.1
70°	0.0	0.0	0.0	5.9	5.9	11.9	17.8	23.8	35.7	47.6
72.5°	0.0	0.0	0.0	5.9	5.9	17.8	11.9	17.8	23.8	29.7
75°	0.0	0.0	0.0	5.9	5.9	5.9	11.9	17.8	17.8	23.8
77.5°	0.0	0.0	0.0	5.9	11.9	11.9	11.9	11.9	11.9	17.8
80°	0.0	0.0	0.0	5.9	5.9	11.9	17.8	23.8	11.9	11.9
82.5°	0.0	0.0	0.0	11.9	5.9	23.8	35.7	29.7	11.9	5.9
85°	0.0	0.0	0.0	5.9	23.8	29.7	29.7	17.8	5.9	5.9
87.5°	0.0	0.0	0.0	5.9	5.9	11.9	17.8	17.8	5.9	5.9
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°
24820.2	0°	24820.2	24820.2	24820.2	24820.2	24820.2	24820.2	24820.2	24820.2	24820.2
24731.0	2.5°	24594.2	24826.1	25034.3	24903.4	24855.9	24760.7	24689.4	24612.1	24606.1
24516.9	5°	24380.1	24600.2	24802.3	24647.7	24659.6	24612.1	24564.5	24546.6	24558.5
24296.9	7.5°	24195.8	24380.1	24600.2	24469.3	24505.0	24475.3	24451.5	24415.8	24469.3
24011.5	10°	23916.3	24082.8	24338.5	24213.7	24195.8	24166.1	24142.3	24076.9	24106.6
23494.1	12.5°	23303.9	23512.0	23803.3	23660.6	23708.2	23625.0	23589.3	23547.7	23553.6
22596.2	15°	22471.4	22631.9	22929.2	22816.3	22851.9	22798.4	22798.4	22798.4	22840.0
20966.9	17.5°	21020.4	21347.5	21817.3	21674.5	21728.1	21740.0	21728.1	21769.7	21823.2
18647.8	20°	18659.7	19218.7	20075.0	20354.5	20467.4	20473.4	20390.1	20491.2	20598.3
16477.4	22.5°	16489.3	17078.0	17833.2	18600.3	19076.0	19052.2	19064.1	19129.5	19242.5
14544.8	25°	14610.3	15175.2	15859.0	16542.8	17583.4	17797.5	17803.5	17862.9	17952.1
13224.7	27.5°	13254.5	13474.5	14098.9	14788.6	15906.6	16590.4	16554.7	16608.2	16703.4
11571.7	30°	11619.2	12463.6	12606.3	13028.5	13991.8	15246.5	15252.5	15311.9	15407.1
10596.4	32.5°	10566.7	11125.7	11565.7	11577.6	12398.2	13688.6	13944.3	14003.7	14069.1
9585.6	35°	9579.6	9645.0	10239.7	10406.2	10881.9	12160.3	12612.3	12647.9	12755.0
8152.5	37.5°	8289.3	8675.8	8842.3	9436.9	9460.7	10495.4	11393.3	11357.6	11440.8
7016.7	40°	7105.9	7474.6	7896.8	8330.9	8390.3	9163.4	10156.4	10192.1	10227.8
5821.5	42.5°	5869.1	6338.8	6772.9	7064.3	7468.7	7914.6	8860.1	9026.6	9109.9
4989.0	45°	5078.2	5209.0	5726.4	6154.5	6564.8	6772.9	7658.9	7962.2	8015.7
3948.4	47.5°	4001.9	4441.9	4792.8	5155.5	5666.9	5851.2	6493.4	6915.6	6957.3
2931.6	50°	3092.1	3407.3	3888.9	4216.0	4810.6	4911.7	5351.7	5898.8	5952.3
1962.3	52.5°	2212.1	2640.2	3110.0	3425.1	3996.0	4126.8	4453.8	4977.1	5012.8
1504.4	55°	1587.7	1867.2	2253.7	2705.6	3121.8	3413.2	3639.2	4138.7	4186.2
987.1	57.5°	1082.2	1343.9	1504.4	1956.4	2206.1	2521.3	2705.6	3086.2	3121.8
469.8	60°	517.3	642.2	767.1	993.0	1153.6	1421.2	1540.1	1694.7	1736.3
285.4	62.5°	333.0	392.5	499.5	594.6	749.2	915.7	963.3	1094.1	1141.7
178.4	65°	220.0	279.5	392.5	416.2	570.9	701.7	761.1	856.3	909.8
107.0	67.5°	124.9	196.2	291.4	344.9	451.9	576.8	642.2	725.5	773.0
71.4	70°	83.2	160.6	231.9	285.4	356.8	463.8	547.1	618.4	648.2
35.7	72.5°	47.6	101.1	160.6	226.0	285.4	386.5	463.8	523.3	344.9
23.8	75°	29.7	77.3	136.8	190.3	237.9	309.2	374.6	368.7	154.6
17.8	77.5°	23.8	59.5	118.9	160.6	196.2	214.1	267.6	303.3	118.9
11.9	80°	17.8	47.6	107.0	136.8	77.3	154.6	208.1	226.0	83.2
11.9	82.5°	11.9	29.7	89.2	95.1	53.5	113.0	166.5	148.7	59.5
5.9	85°	5.9	17.8	29.7	53.5	47.6	53.5	41.6	59.5	41.6
5.9	87.5°	5.9	11.9	23.8	23.8	23.8	17.8	23.8	23.8	23.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
24820.2
24748.8
24707.2
24618.0
24249.3
23726.0
22857.9
22001.6
20669.6
19260.3
18106.7
16792.6
15573.6
14217.8
12868.0
11541.9
10340.8
9228.8
8146.5
7058.4
6029.6
5078.2
4227.9
3193.2
1783.9
1153.6
909.8
767.1
642.2
279.5
154.6
118.9
89.2
59.5
41.6
23.8
0.0

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