

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: P636702

Luminaire Tested: **IFLD-L-SA7D-950-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636702
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7D-950-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (112) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28064.6 lumens
Efficiency: N/A
Efficacy: 66.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

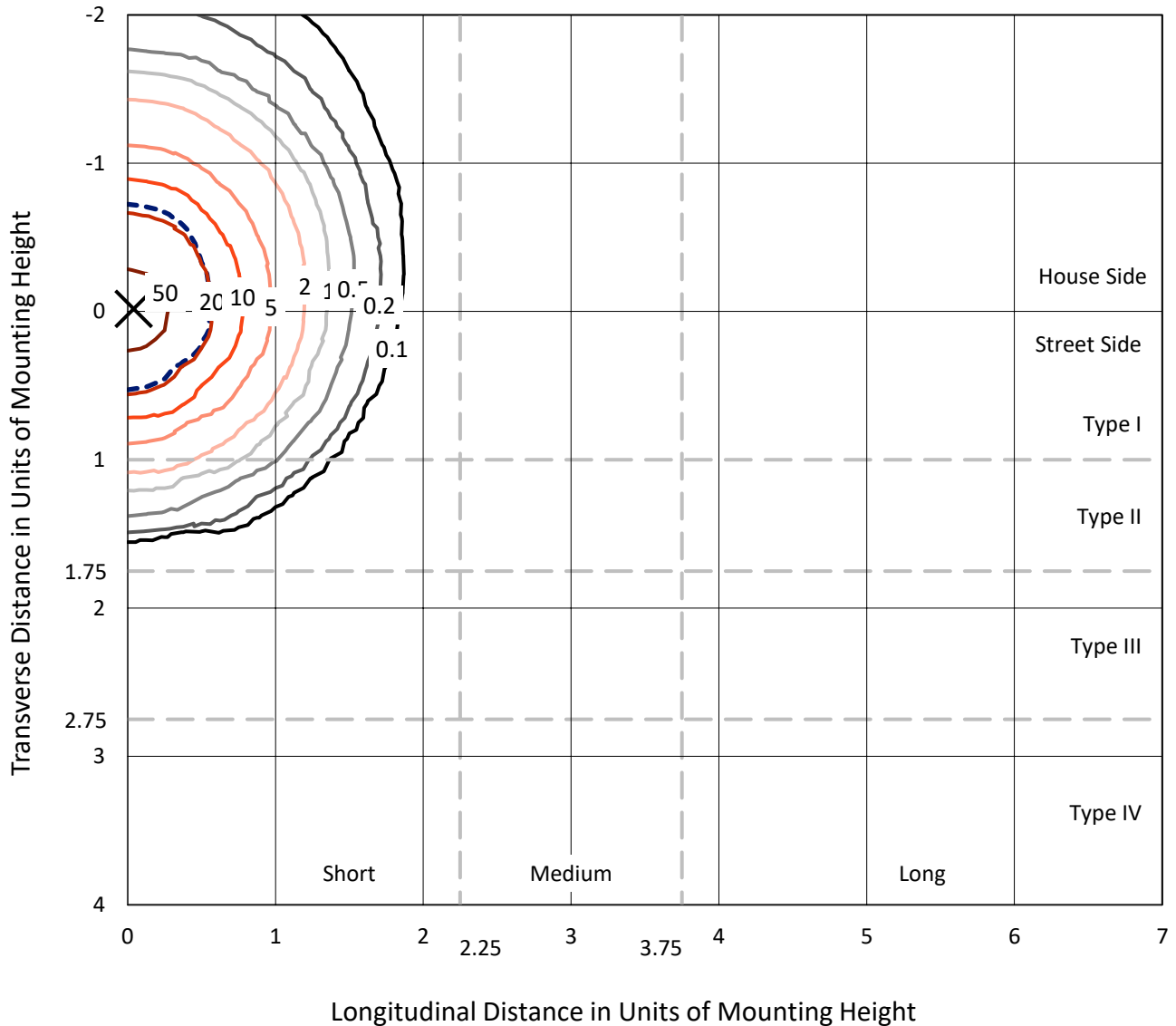
Input Watts (W): 422.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

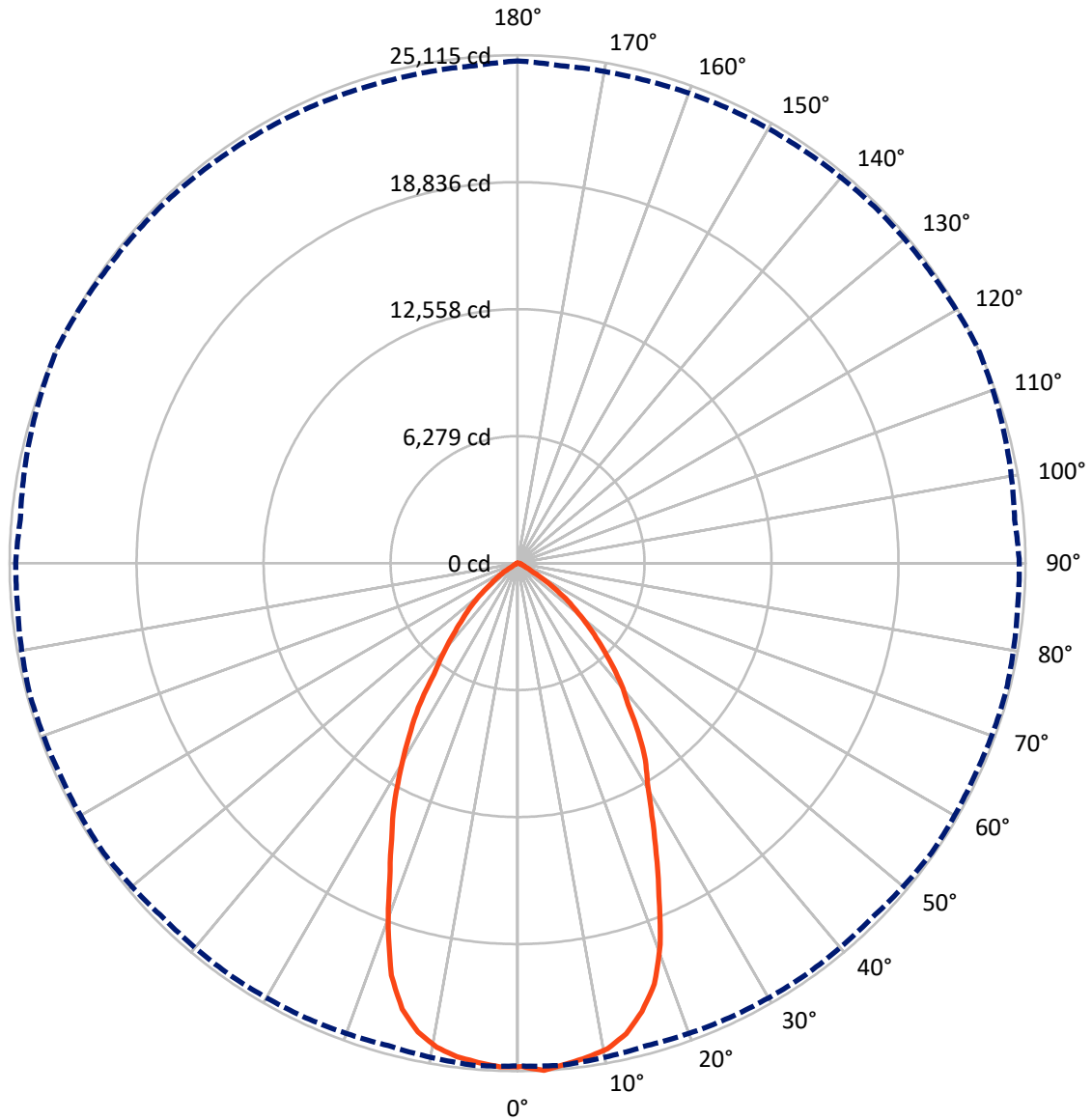
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 62.3 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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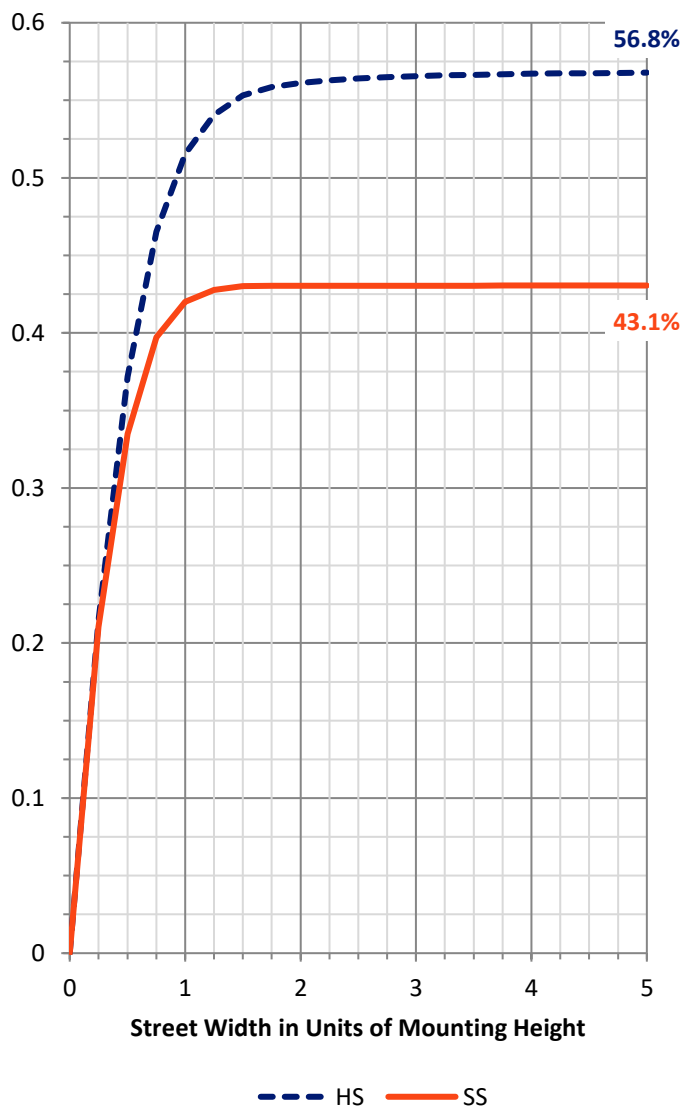
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16061.0	0.0	16061.0
	% Fixture	57.2	0.0	57.2
Street Side	Lumens	12003.6	0.0	12003.6
	% Fixture	42.8	0.0	42.8
Total	Lumens	28064.6	0.0	28064.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2345.3	8.4
10°-20°	6218.5	22.2
20°-30°	7112.7	25.3
30°-40°	6095.4	21.7
40°-50°	4030.5	14.4
50°-60°	1758.7	6.3
60°-70°	345.6	1.2
70°-80°	124.7	0.4
80°-90°	33.2	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°	28064.6	100.0
0°-180°	28064.6	100.0



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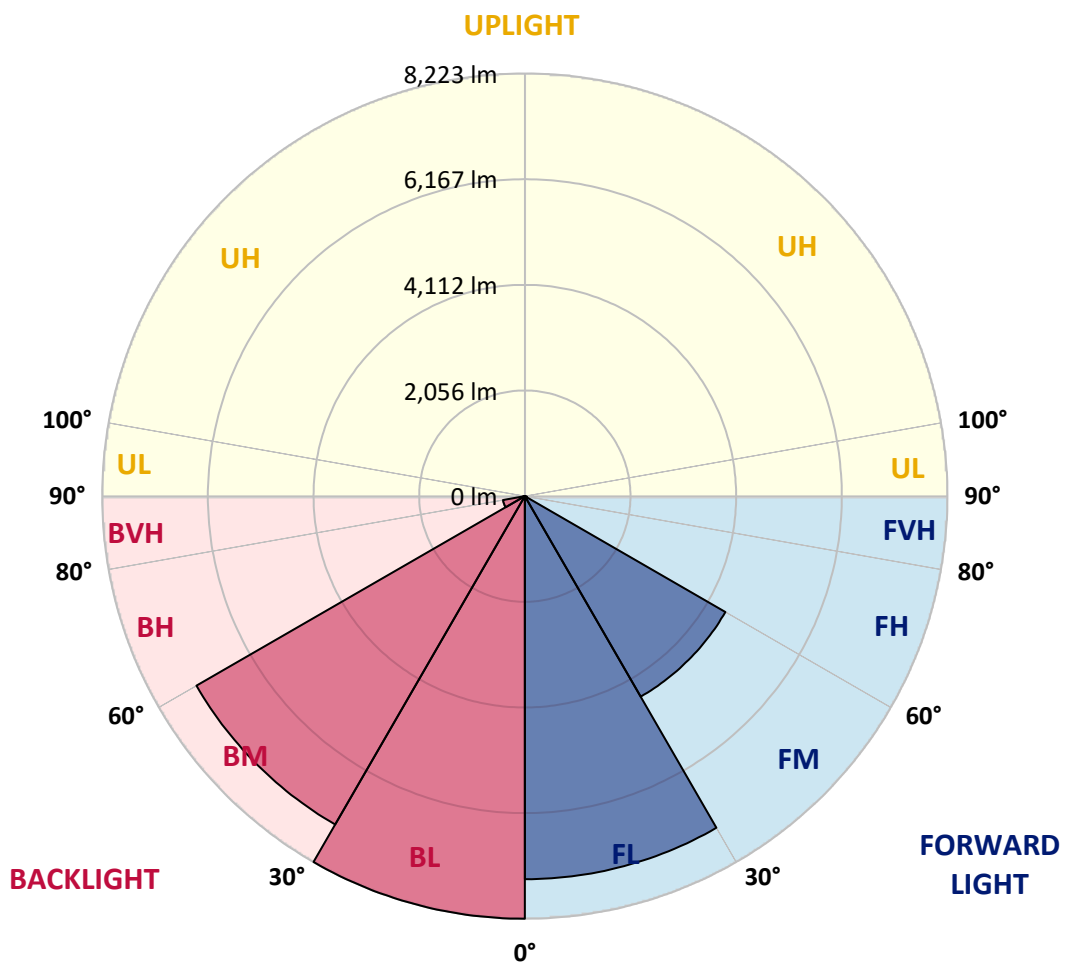
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7453.4	26.6			
FM (30°-60°)	4506.6	16.1			
FH (60°-80°)	38.2	0.1			G0/660
FVH (80°-90°)	5.5	0.0			G0/10
BL (0°-30°)	8223.2	29.3	B5		
BM (30°-60°)	7378.1	26.3	B4/8500		
BH (60°-80°)	432.1	1.5	B1/500		G1/500
BVH (80°-90°)	27.7	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°	24900.4	24900.4	24900.4	24900.4	24900.4	24900.4	24900.4	24900.4	24900.4	24900.4
2.5°	24864.6	24924.3	24697.6	24799.0	24840.7	24787.0	24983.9	24924.3	24972.0	24822.8
5°	24864.6	24924.3	24661.8	24709.5	24721.4	24620.0	24834.8	24763.2	24769.1	24614.0
7.5°	24709.5	24781.1	24542.5	24578.2	24584.2	24500.7	24685.6	24584.2	24548.4	24387.4
10°	24291.9	24333.7	24118.9	24208.4	24291.9	24214.3	24375.4	24262.1	24262.1	24118.9
12.5°	23629.7	23707.3	23468.6	23576.0	23647.6	23558.1	23743.1	23701.3	23707.3	23564.1
15°	22424.7	22156.2	22442.6	22657.3	22663.3	22645.4	22818.4	22776.6	22806.5	22591.7
17.5°	16566.5	16500.8	16834.9	19370.3	21255.4	21511.9	21541.8	21315.1	21213.7	21004.9
20°	15349.5	15397.2	15325.6	15337.5	16823.0	19907.2	19722.3	19161.5	18905.0	18696.2
22.5°	14460.6	14383.0	14335.3	14305.5	14347.3	16357.7	17688.0	16840.9	16703.7	16602.2
25°	13494.2	13458.4	13398.7	13386.8	13362.9	13022.9	14937.8	15015.4	14794.7	14669.4
27.5°	12593.4	12569.5	12503.9	12497.9	12223.5	11400.3	11609.0	13452.4	13392.8	13345.0
30°	11632.9	11585.2	11549.4	11549.4	10720.2	9873.1	9533.0	11728.4	11728.4	11686.6
32.5°	10588.9	10547.2	10559.1	10415.9	9425.6	8650.1	8113.2	10123.6	10750.0	10714.2
35°	6472.7	6460.7	7671.8	9264.6	8101.3	7397.3	7361.5	8662.0	9574.8	9670.2
37.5°	5762.8	5727.0	5744.9	5846.3	6938.0	6657.6	6645.7	6866.4	8149.0	8196.7
40°	5172.2	5148.3	5130.4	4766.5	4420.5	5941.7	5900.0	5756.8	6961.8	7045.4
42.5°	4611.4	4587.5	4587.5	4074.5	3513.7	4885.8	4903.7	4736.7	5870.1	5900.0
45°	4032.7	4014.8	3913.4	3251.2	3090.2	3245.3	4062.6	3871.7	4659.1	4969.3
47.5°	1903.0	1891.1	2738.2	2702.4	2690.5	2595.0	3102.1	3209.5	3698.7	4008.9
50°	1527.2	1515.3	1443.7	1270.7	2213.2	1968.6	2237.1	2469.8	2624.9	2911.2
52.5°	1264.7	1252.8	1103.6	978.4	1228.9	1437.7	1336.3	1652.5	1646.5	1956.7
55°	829.2	769.6	847.1	799.4	644.3	1044.0	1020.1	1252.8	1222.9	1491.4
57.5°	17.9	17.9	41.8	453.4	405.7	441.5	584.6	715.9	805.4	882.9
60°	6.0	6.0	11.9	23.9	167.0	184.9	226.7	262.5	369.9	459.4
62.5°	0.0	0.0	6.0	11.9	23.9	95.4	107.4	125.3	173.0	238.6
65°	0.0	0.0	0.0	6.0	11.9	23.9	35.8	77.6	107.4	137.2
67.5°	0.0	0.0	0.0	6.0	6.0	11.9	23.9	35.8	47.7	95.4
70°	0.0	0.0	0.0	6.0	6.0	11.9	17.9	23.9	35.8	47.7
72.5°	0.0	0.0	0.0	6.0	6.0	17.9	11.9	17.9	23.9	29.8
75°	0.0	0.0	0.0	6.0	6.0	6.0	11.9	17.9	17.9	23.9
77.5°	0.0	0.0	0.0	6.0	11.9	11.9	11.9	11.9	11.9	17.9
80°	0.0	0.0	0.0	6.0	6.0	11.9	17.9	23.9	11.9	11.9
82.5°	0.0	0.0	0.0	11.9	6.0	23.9	35.8	29.8	11.9	6.0
85°	0.0	0.0	0.0	6.0	23.9	29.8	29.8	17.9	6.0	6.0
87.5°	0.0	0.0	0.0	6.0	6.0	11.9	17.9	17.9	6.0	6.0
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°
24900.4	0°	24900.4	24900.4	24900.4	24900.4	24900.4	24900.4	24900.4	24900.4	24900.4
24810.9	2.5°	24673.7	24906.4	25115.2	24983.9	24936.2	24840.7	24769.1	24691.6	24685.6
24596.1	5°	24458.9	24679.7	24882.5	24727.4	24739.3	24691.6	24643.9	24626.0	24637.9
24375.4	7.5°	24274.0	24458.9	24679.7	24548.4	24584.2	24554.4	24530.5	24494.7	24548.4
24089.1	10°	23993.6	24160.7	24417.2	24291.9	24274.0	24244.2	24220.3	24154.7	24184.5
23570.1	12.5°	23379.2	23588.0	23880.3	23737.1	23784.8	23701.3	23665.5	23623.8	23629.7
22669.3	15°	22544.0	22705.1	23003.3	22890.0	22925.8	22872.1	22872.1	22872.1	22913.8
21034.7	17.5°	21088.4	21416.5	21887.8	21744.6	21798.3	21810.2	21798.3	21840.0	21893.7
18708.1	20°	18720.0	19280.8	20139.8	20420.2	20533.6	20539.5	20456.0	20557.4	20664.8
16530.7	22.5°	16542.6	17133.2	17890.8	18660.4	19137.6	19113.8	19125.7	19191.3	19304.7
14591.8	25°	14657.5	15224.2	15910.2	16596.3	17640.3	17855.0	17861.0	17920.6	18010.1
13267.5	27.5°	13297.3	13518.0	14144.4	14836.4	15958.0	16644.0	16608.2	16661.9	16757.4
11609.0	30°	11656.8	12503.9	12647.1	13070.6	14037.0	15295.8	15301.7	15361.4	15456.9
10630.7	32.5°	10600.9	11161.6	11603.1	11615.0	12438.3	13732.8	13989.3	14049.0	14114.6
9616.5	35°	9610.6	9676.2	10272.8	10439.8	10917.0	12199.6	12653.0	12688.8	12796.2
8178.8	37.5°	8316.0	8703.8	8870.8	9467.4	9491.3	10529.3	11430.1	11394.3	11477.8
7039.4	40°	7128.9	7498.8	7922.3	8357.8	8417.5	9193.0	10189.2	10225.0	10260.8
5840.3	42.5°	5888.0	6359.3	6794.8	7087.1	7492.8	7940.2	8888.7	9055.8	9139.3
5005.1	45°	5094.6	5225.9	5744.9	6174.4	6586.0	6794.8	7683.7	7987.9	8041.6
3961.2	47.5°	4014.8	4456.3	4808.3	5172.2	5685.2	5870.1	6514.4	6938.0	6979.7
2941.0	50°	3102.1	3418.3	3901.5	4229.6	4826.2	4927.6	5369.0	5917.9	5971.6
1968.6	52.5°	2219.2	2648.7	3120.0	3436.2	4008.9	4140.1	4468.2	4993.2	5029.0
1509.3	55°	1592.8	1873.2	2261.0	2714.3	3131.9	3424.3	3650.9	4152.1	4199.8
990.3	57.5°	1085.7	1348.2	1509.3	1962.7	2213.2	2529.4	2714.3	3096.1	3131.9
471.3	60°	519.0	644.3	769.6	996.3	1157.3	1425.8	1545.1	1700.2	1742.0
286.3	62.5°	334.1	393.7	501.1	596.6	751.7	918.7	966.4	1097.7	1145.4
179.0	65°	220.7	280.4	393.7	417.6	572.7	703.9	763.6	859.0	912.7
107.4	67.5°	125.3	196.9	292.3	346.0	453.4	578.7	644.3	727.8	775.5
71.6	70°	83.5	161.1	232.7	286.3	357.9	465.3	548.8	620.4	650.2
35.8	72.5°	47.7	101.4	161.1	226.7	286.3	387.8	465.3	525.0	346.0
23.9	75°	29.8	77.6	137.2	190.9	238.6	310.2	375.8	369.9	155.1
17.9	77.5°	23.9	59.7	119.3	161.1	196.9	214.8	268.5	304.2	119.3
11.9	80°	17.9	47.7	107.4	137.2	77.6	155.1	208.8	226.7	83.5
11.9	82.5°	11.9	29.8	89.5	95.4	53.7	113.3	167.0	149.1	59.7
6.0	85°	6.0	17.9	29.8	53.7	47.7	53.7	41.8	59.7	41.8
6.0	87.5°	6.0	11.9	23.9	23.9	23.9	17.9	23.9	23.9	23.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
24900.4
24828.8
24787.0
24697.6
24327.7
23802.7
22931.7
22072.7
20736.4
19322.6
18165.2
16846.8
15623.9
14263.7
12909.5
11579.2
10374.2
9258.6
8172.9
7081.2
6049.1
5094.6
4241.5
3203.5
1789.7
1157.3
912.7
769.6
644.3
280.4
155.1
119.3
89.5
59.7
41.8
23.9
0.0

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