

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: P636486

Luminaire Tested: **IFLD-S-SA6A-935-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636486
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-935-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (96) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14829.6 lumens
Efficiency: N/A
Efficacy: 78.2 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): 189.6
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

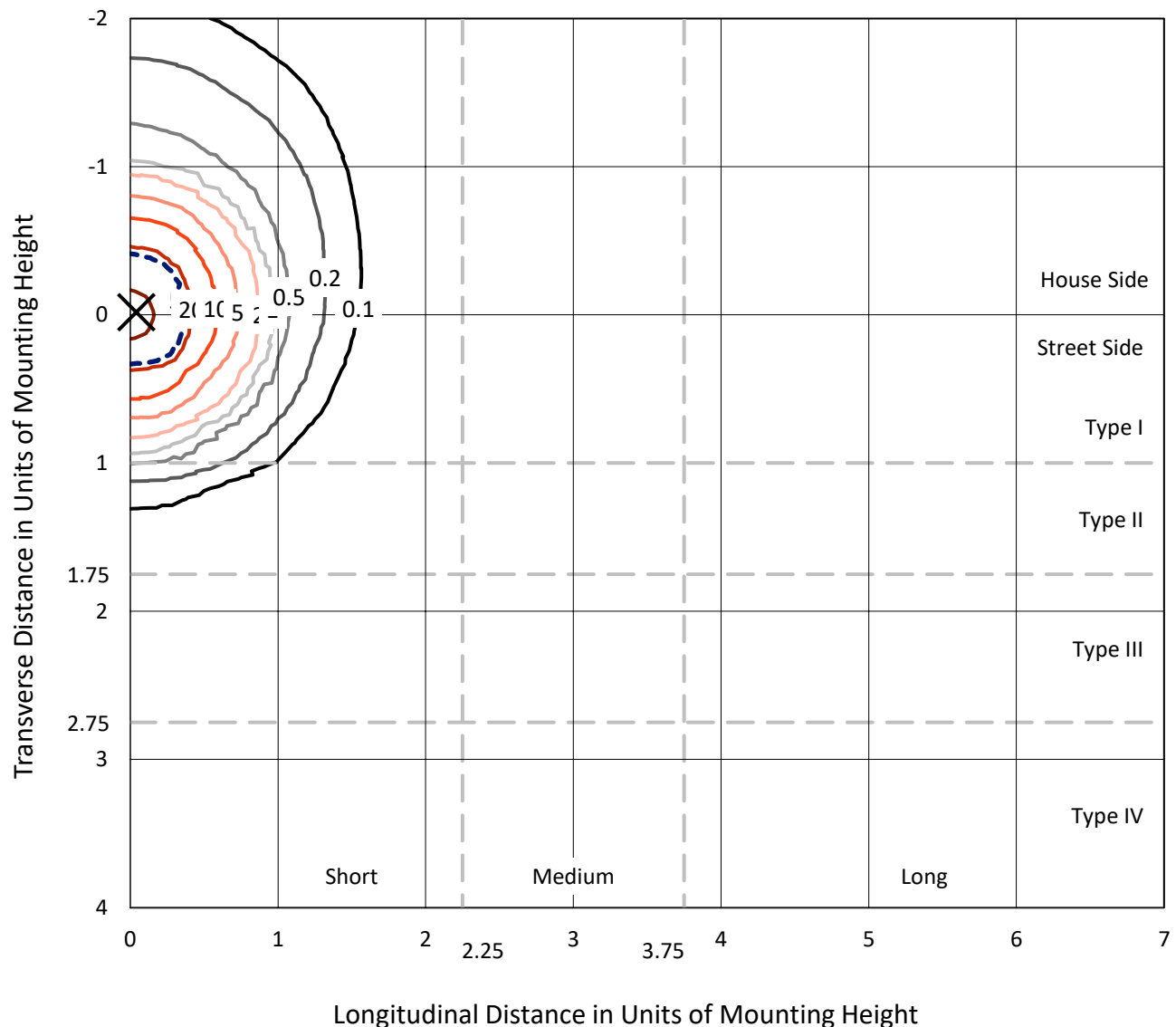


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Iso-Footcandle Lines of Horizontal Illumination

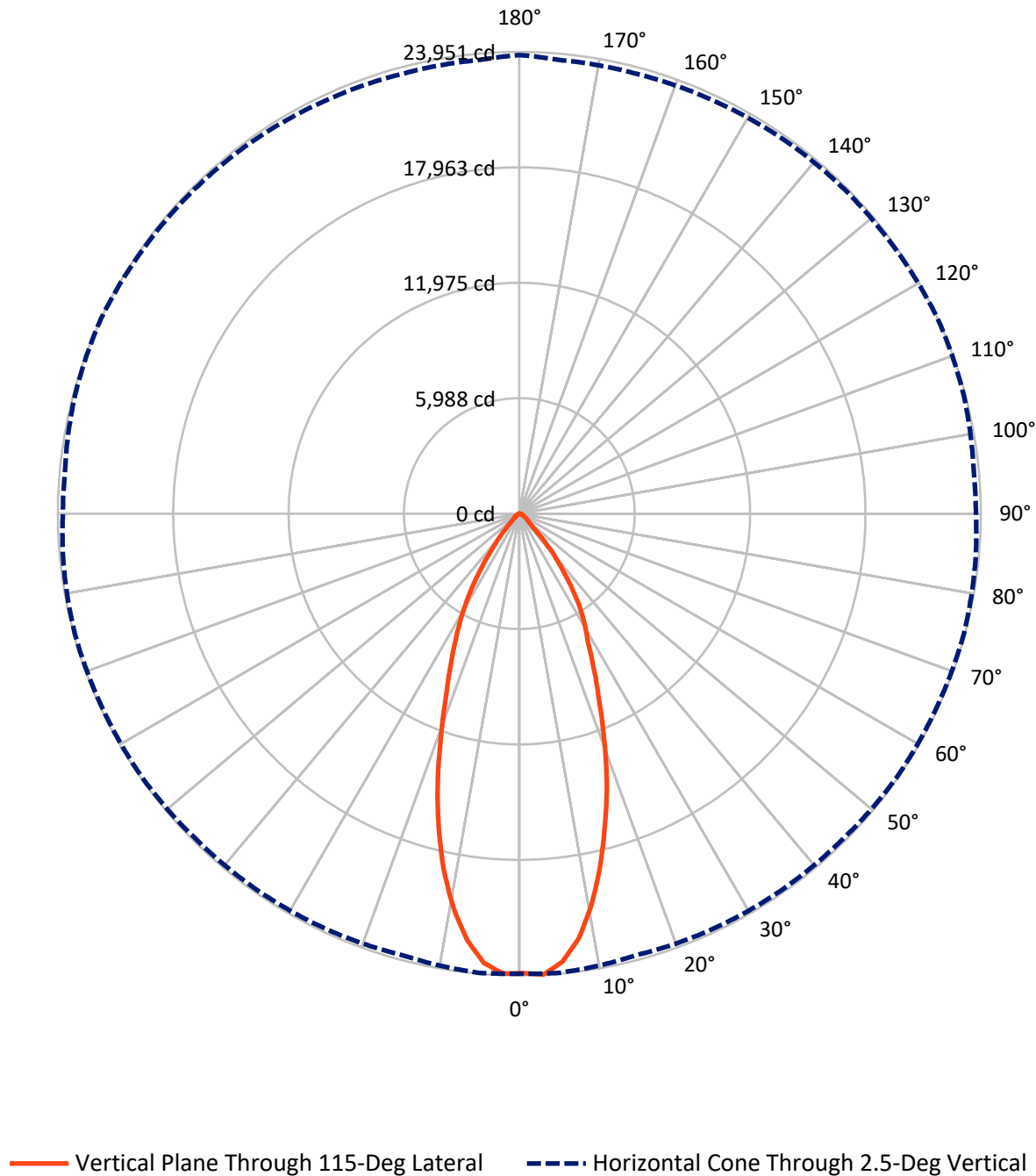
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 59.6 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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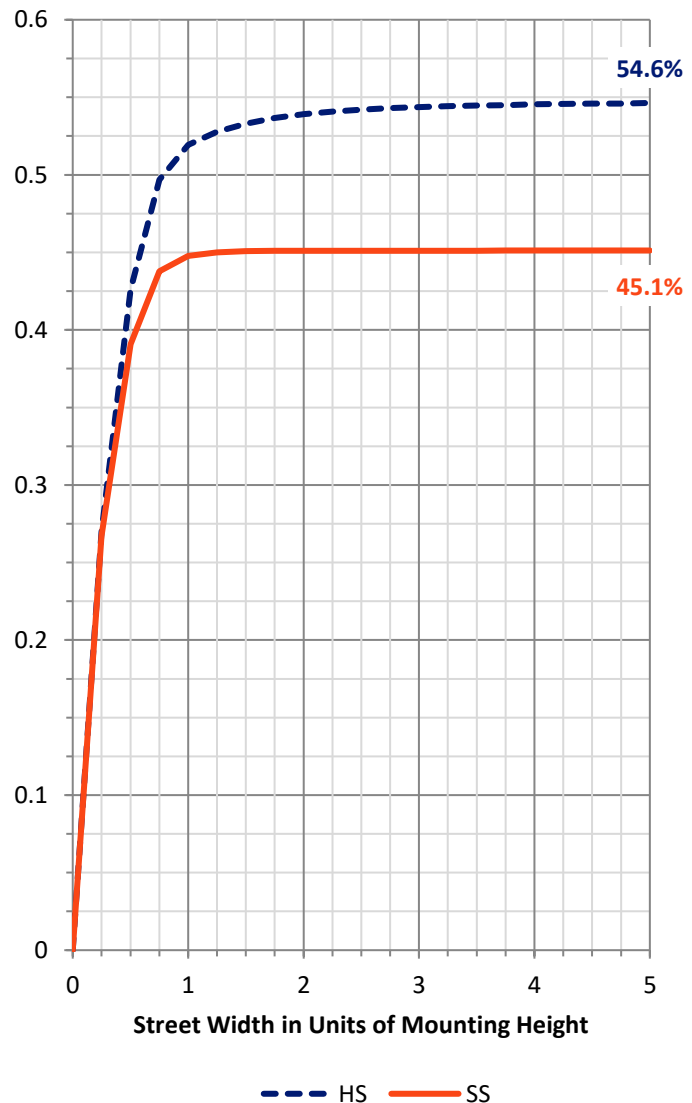
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8184.2	0.0	8184.2
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	6645.4	0.0	6645.4
	% Fixture	44.8	0.0	44.8
Total	Lumens	14829.6	0.0	14829.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2138.1	14.4
10°-20°	4518.9	30.5
20°-30°	4078.6	27.5
30°-40°	2699.0	18.2
40°-50°	808.5	5.5
50°-60°	324.3	2.2
60°-70°	167.9	1.1
70°-80°	72.9	0.5
80°-90°	21.2	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°	14829.6	100.0
0°-180°	14829.6	100.0

Coefficient of Utilization



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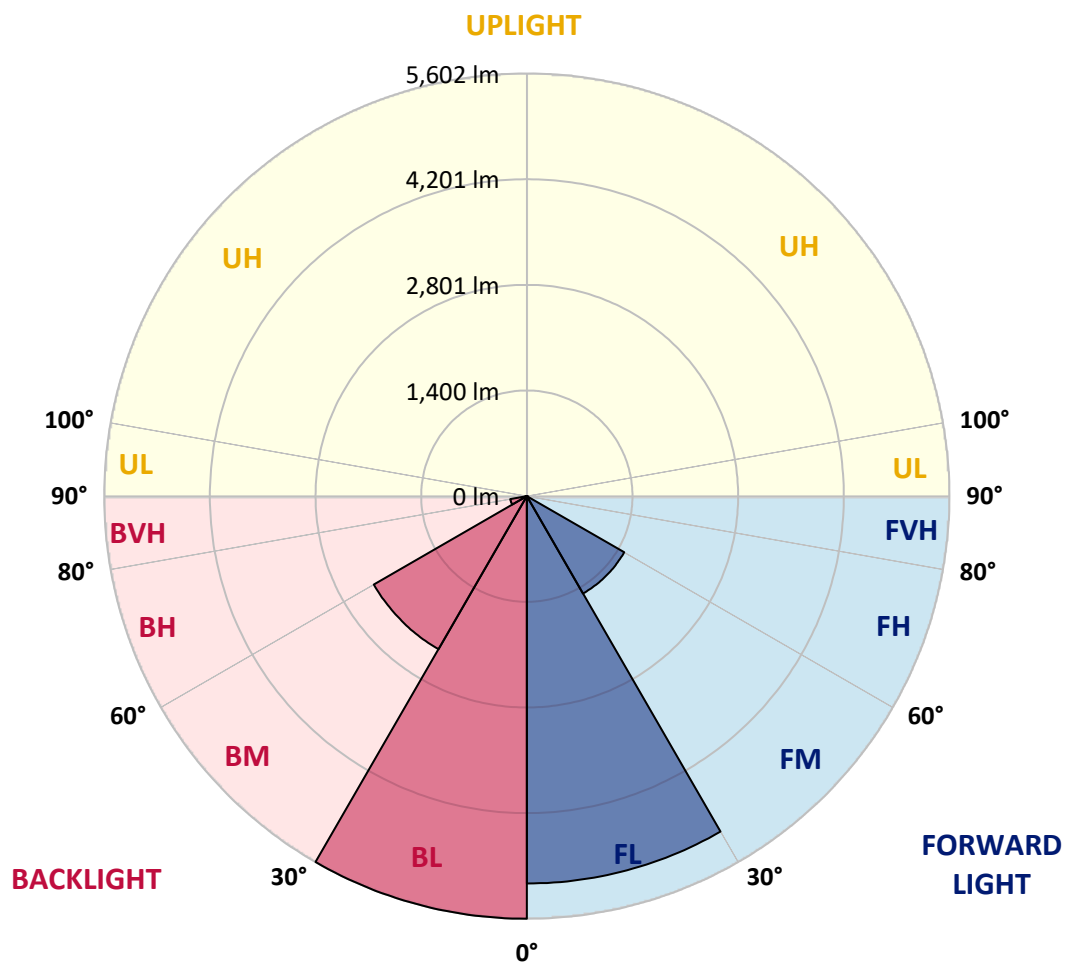
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5134.1	34.6			
FM	(30°-60°)	1489.8	10.0			
FH	(60°-80°)	18.4	0.1			G0/660
FVH	(80°-90°)	3.1	0.0			G0/10
BL	(0°-30°)	5601.5	37.8	B5		
BM	(30°-60°)	2342.1	15.8	B2/2500		
BH	(60°-80°)	222.4	1.5	B1/500		G1/500
BVH	(80°-90°)	18.2	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°	23838.6	23838.6	23838.6	23838.6	23838.6	23838.6	23838.6	23838.6	23838.6	23838.6
2.5°	23868.9	23911.4	23699.1	23771.9	23802.2	23811.3	23887.1	23875.0	23896.2	23784.0
5°	23553.5	23471.6	23313.9	23316.9	23307.8	23222.9	23395.8	23383.7	23347.3	23213.8
7.5°	22479.9	22598.1	22300.9	22294.9	22288.8	22185.7	22413.1	22273.6	22304.0	22112.9
10°	20908.8	20924.0	20660.1	20635.9	20657.1	20523.6	20787.5	20732.9	20790.5	20590.4
12.5°	18982.9	19067.8	18776.7	18734.2	18819.1	18631.1	18843.4	18870.7	18785.8	18758.5
15°	14888.5	15112.9	15664.9	16508.1	16726.4	16568.7	16738.6	16735.5	16771.9	16565.7
17.5°	11343.0	11364.3	11233.9	11637.2	13972.6	14730.8	14767.2	14479.1	14260.7	14184.9
20°	9902.4	9975.2	9856.9	9890.3	10263.3	12486.5	12571.4	12137.7	11764.6	11734.3
22.5°	8756.0	8801.5	8716.6	8743.9	8762.1	9022.9	10499.9	10117.8	9938.8	9802.3
25°	7785.5	7785.5	7740.0	7749.1	7730.9	7345.7	8103.9	8540.6	8437.5	8389.0
27.5°	6899.8	6912.0	6854.4	6887.7	6666.3	6044.6	5953.6	7242.6	7133.4	7045.4
30°	6059.7	6099.2	6044.6	6062.8	5580.5	5071.0	4810.2	6041.5	6178.0	6153.8
32.5°	4561.5	4740.4	5180.2	5198.4	4543.3	4152.0	4036.8	4849.6	5368.2	5322.7
35°	2826.7	2817.6	2835.8	3709.2	3484.8	3217.9	3260.4	3663.7	4249.1	4227.9
37.5°	2156.4	2153.4	2186.7	2098.8	2283.8	2441.5	2474.8	2474.8	3102.7	3105.7
40°	1634.7	1622.6	1619.6	1480.1	1240.5	1831.9	1777.3	1731.8	2156.4	2201.9
42.5°	1043.3	1079.7	1052.4	900.8	809.8	1000.9	1116.1	1079.7	1331.4	1364.8
45°	582.3	582.3	558.1	473.1	470.1	506.5	636.9	594.4	682.4	727.9
47.5°	282.1	276.0	303.3	373.0	388.2	376.1	454.9	473.1	515.6	558.1
50°	227.5	227.5	215.3	194.1	321.5	309.4	336.7	360.9	385.2	421.6
52.5°	191.1	191.1	175.9	163.8	185.0	236.6	239.6	285.1	282.1	333.6
55°	97.1	100.1	142.5	142.5	124.3	194.1	197.1	230.5	236.6	279.0
57.5°	9.1	12.1	18.2	88.0	97.1	106.2	148.6	169.8	197.1	215.3
60°	3.0	3.0	6.1	12.1	57.6	72.8	94.0	112.2	136.5	178.9
62.5°	0.0	0.0	3.0	6.1	12.1	45.5	51.6	57.6	81.9	112.2
65°	0.0	0.0	3.0	3.0	6.1	15.2	21.2	36.4	51.6	69.8
67.5°	0.0	0.0	3.0	3.0	6.1	9.1	12.1	18.2	24.3	45.5
70°	0.0	0.0	3.0	3.0	6.1	9.1	9.1	12.1	15.2	21.2
72.5°	0.0	0.0	3.0	3.0	6.1	12.1	9.1	9.1	12.1	15.2
75°	0.0	0.0	3.0	3.0	6.1	9.1	9.1	9.1	9.1	9.1
77.5°	0.0	0.0	3.0	3.0	6.1	9.1	9.1	9.1	6.1	6.1
80°	0.0	0.0	3.0	3.0	6.1	9.1	12.1	12.1	6.1	6.1
82.5°	0.0	0.0	3.0	6.1	6.1	15.2	18.2	15.2	6.1	3.0
85°	0.0	0.0	3.0	3.0	9.1	15.2	15.2	9.1	6.1	3.0
87.5°	0.0	0.0	0.0	3.0	3.0	6.1	9.1	9.1	3.0	3.0
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°
23838.6	0°	23838.6	23838.6	23838.6	23838.6	23838.6	23838.6	23838.6	23838.6	23838.6
23693.0	2.5°	23680.9	23865.9	23950.8	23862.9	23820.4	23759.7	23671.8	23611.1	23623.3
23141.0	5°	23089.5	23283.6	23350.3	23274.5	23210.8	23177.4	23162.3	23192.6	23271.4
22031.0	7.5°	22024.9	22149.3	22222.1	22185.7	22097.7	22197.8	22225.1	22206.9	22322.1
20529.7	10°	20535.8	20672.3	20605.5	20620.7	20517.6	20569.1	20554.0	20620.7	20735.9
18737.3	12.5°	18615.9	18746.4	18694.8	18685.7	18576.5	18673.6	18612.9	18685.7	18837.3
16480.8	15°	16599.1	16681.0	16647.6	16596.0	16499.0	16532.3	16720.4	16708.3	16775.0
14139.4	17.5°	14078.7	14473.0	14688.3	14733.8	14655.0	14721.7	14855.1	14821.8	14973.4
11670.6	20°	11649.4	12046.7	12577.4	13008.1	13017.2	13026.3	13111.2	13132.5	13262.9
9805.4	22.5°	9762.9	10045.0	10615.2	11185.3	11579.6	11661.5	11652.4	11682.7	11719.1
8322.3	25°	8301.0	8507.3	9028.9	9423.2	10114.7	10345.2	10411.9	10345.2	10366.5
7015.1	27.5°	7094.0	7409.4	7582.3	8003.8	8680.2	9214.0	9192.7	9153.3	9159.4
6105.2	30°	6102.2	6441.9	6696.6	6824.0	7333.6	8103.9	8182.8	8070.5	8073.6
5301.5	32.5°	5268.1	5374.3	5750.4	5853.5	6181.1	6881.7	7151.6	7066.7	7051.5
4240.0	35°	4364.3	4422.0	4594.8	4798.0	4992.2	5522.9	5968.7	5889.9	5929.3
3117.8	37.5°	3105.7	3342.3	3509.1	3675.9	3815.4	4149.0	4685.8	4613.0	4652.5
2208.0	40°	2189.8	2295.9	2584.0	2656.8	2863.1	3017.7	3472.7	3448.4	3496.9
1370.9	42.5°	1346.6	1422.4	1568.0	1637.8	1777.3	1865.2	2132.1	2162.5	2226.1
758.2	45°	764.3	797.7	897.7	973.6	1076.7	1113.1	1207.1	1249.6	1285.9
588.4	47.5°	582.3	618.7	685.4	752.2	837.1	867.4	934.1	997.8	1031.2
454.9	50°	476.2	509.5	579.3	633.9	718.8	746.1	800.7	870.4	912.9
345.8	52.5°	360.9	409.4	494.4	552.0	639.9	673.3	724.9	794.6	834.0
285.1	55°	297.2	333.6	409.4	488.3	570.2	615.7	649.0	734.0	776.4
233.5	57.5°	254.8	282.1	330.6	424.6	494.4	561.1	588.4	667.2	709.7
185.0	60°	194.1	236.6	279.0	351.8	430.7	500.4	530.8	600.5	633.9
133.4	62.5°	160.7	188.0	242.6	282.1	370.0	442.8	473.1	536.8	561.1
88.0	65°	112.2	151.6	203.2	227.5	309.4	379.1	421.6	470.1	494.4
51.6	67.5°	66.7	112.2	160.7	194.1	251.7	321.5	367.0	412.5	433.7
30.3	70°	42.5	88.0	127.4	163.8	197.1	263.9	318.5	357.9	348.8
18.2	72.5°	24.3	54.6	94.0	133.4	163.8	221.4	273.0	303.3	215.3
12.1	75°	15.2	39.4	78.9	109.2	133.4	175.9	224.4	230.5	133.4
6.1	77.5°	12.1	30.3	60.7	88.0	91.0	130.4	157.7	178.9	100.1
6.1	80°	6.1	24.3	51.6	72.8	57.6	91.0	121.3	139.5	78.9
3.0	82.5°	6.1	15.2	39.4	51.6	42.5	69.8	88.0	100.1	66.7
3.0	85°	3.0	12.1	21.2	30.3	30.3	45.5	39.4	48.5	42.5
3.0	87.5°	3.0	6.1	12.1	15.2	12.1	18.2	21.2	21.2	18.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
23838.6
23787.0
23435.2
22437.4
20781.4
18864.6
16790.1
14949.2
13235.6
11652.4
10333.1
9168.5
8076.6
7087.9
5965.7
4685.8
3515.1
2298.9
1282.9
1046.4
931.1
861.3
788.6
727.9
639.9
564.1
494.4
430.7
321.5
191.1
124.3
100.1
81.9
72.8
42.5
15.2
0.0

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