

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: P637667

Luminaire Tested: **IFLD-S-SA2C-750-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637667
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2C-750-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (32) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13657 lumens
Efficiency: N/A
Efficacy: 126.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 108.2
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



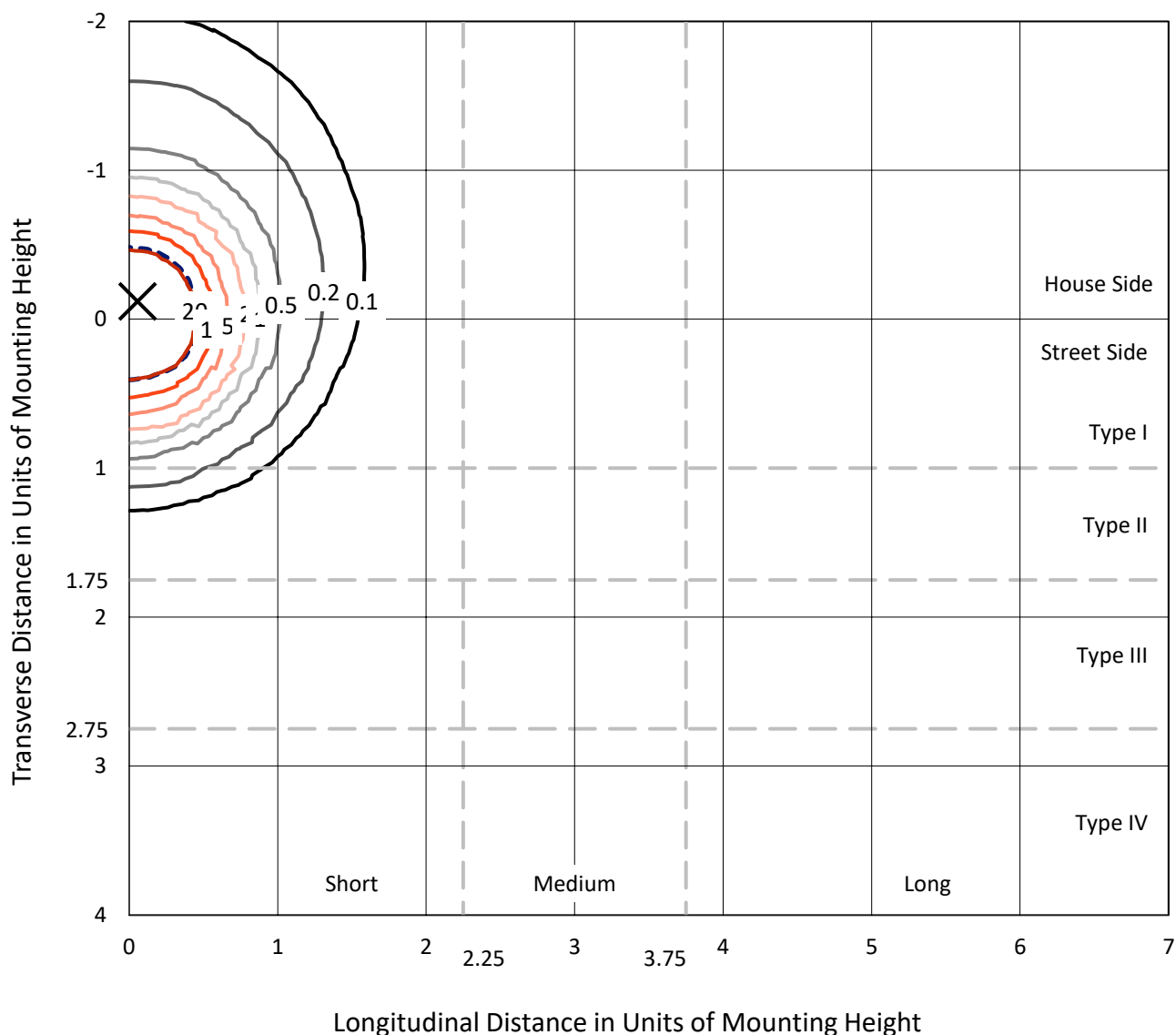
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

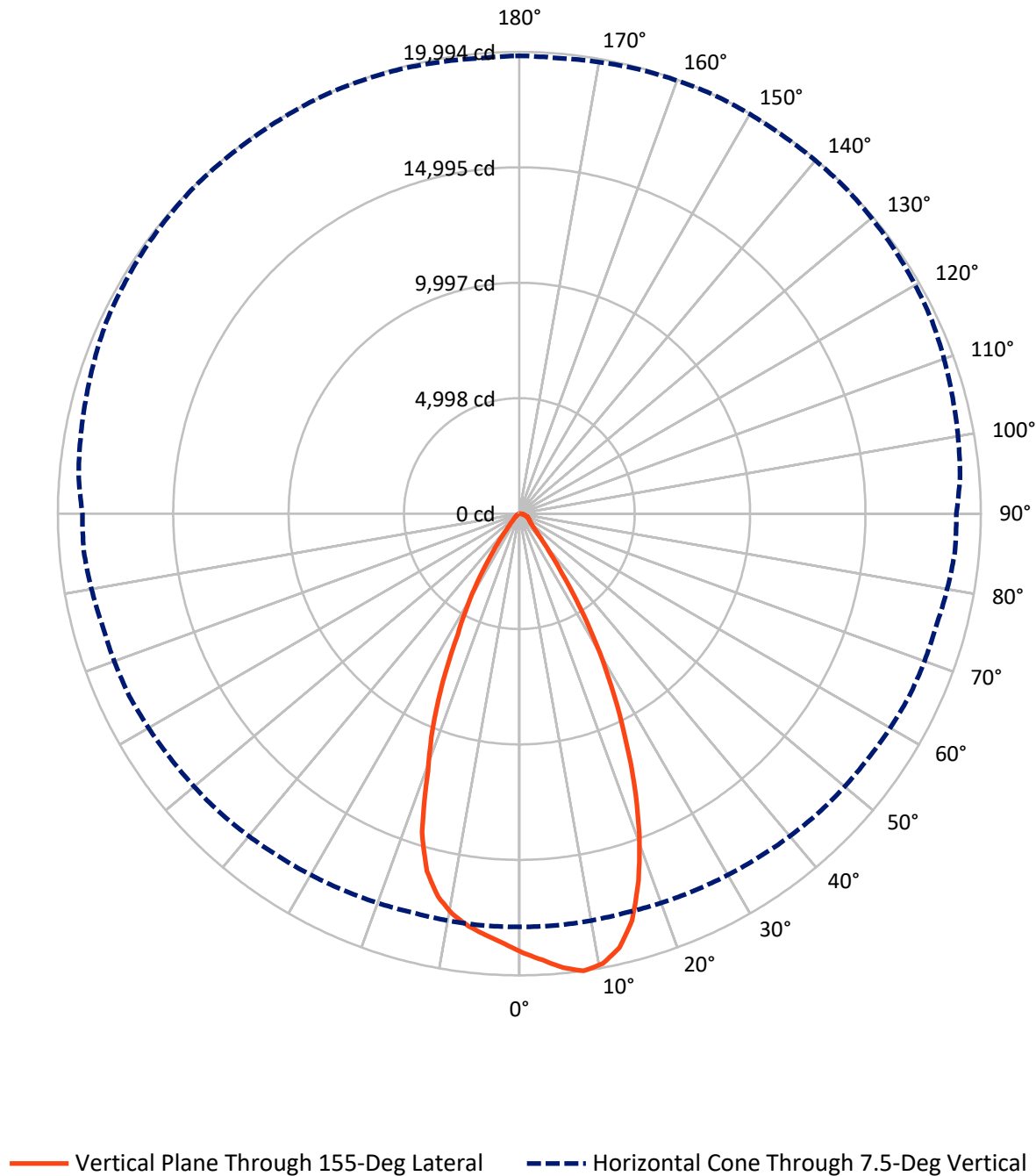


Based on 20 foot mounting height. Maximum calculated value = 48.3 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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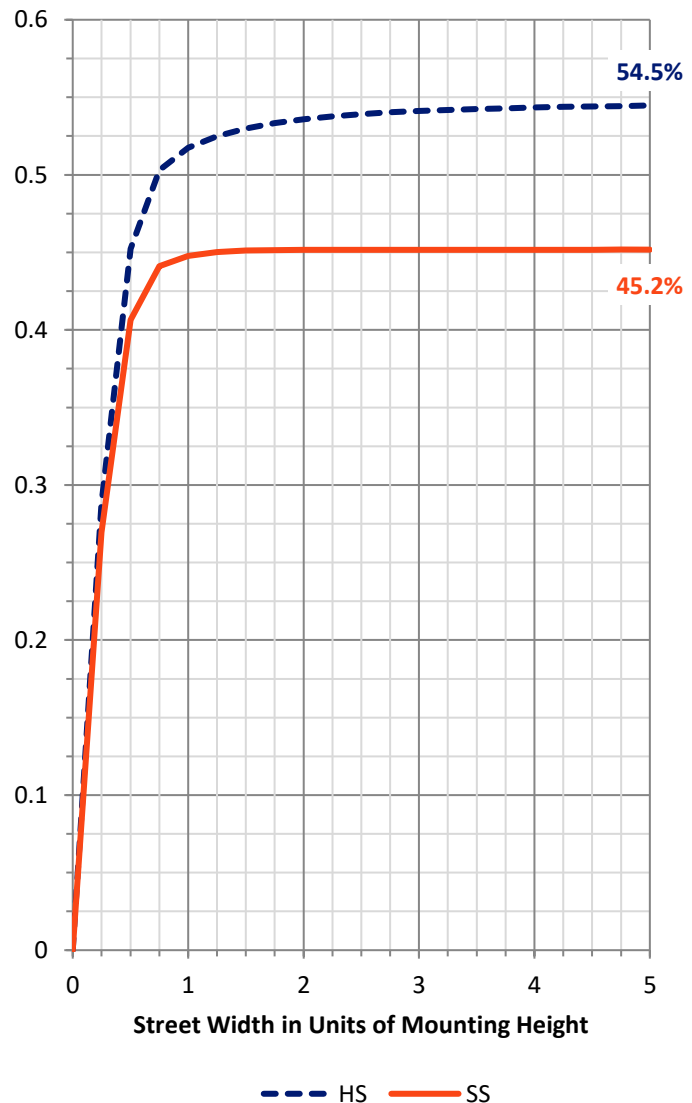
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7539.1	0.0	7539.1
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	6117.8	0.0	6117.8
	% Fixture	44.8	0.0	44.8
Total	Lumens	13657.0	0.0	13657.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1814.2	13.3
10°-20°	4704.2	34.4
20°-30°	4310.3	31.6
30°-40°	1741.4	12.8
40°-50°	510.8	3.7
50°-60°	285.6	2.1
60°-70°	173.5	1.3
70°-80°	88.1	0.6
80°-90°	28.8	0.2
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°	13657.0	100.0
0°-180°	13657.0	100.0

Coefficient of Utilization



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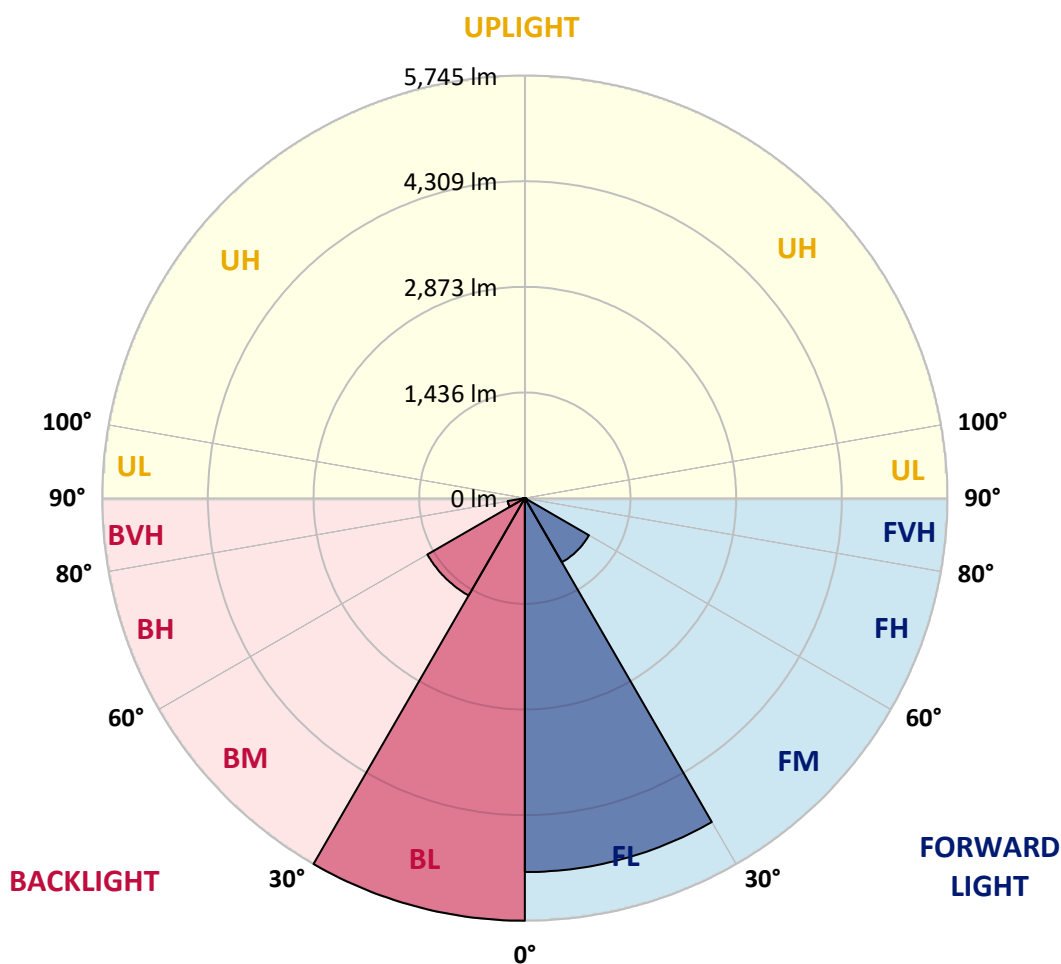
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5083.5	37.2			
FM	(30°-60°)	1007.4	7.4			
FH	(60°-80°)	24.4	0.2			G0/660
FVH	(80°-90°)	2.5	0.0			G0/10
BL	(0°-30°)	5745.2	42.1	B5		
BM	(30°-60°)	1530.4	11.2	B2/2500		
BH	(60°-80°)	237.2	1.7	B1/500		G1/500
BVH	(80°-90°)	26.3	0.2			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°	19025.2	19025.2	19025.2	19025.2	19025.2	19025.2	19025.2	19025.2	19025.2	19025.2
2.5°	18612.6	18675.6	18549.6	18633.1	18697.7	18852.0	18864.6	18918.1	18937.0	19077.2
5°	18259.9	18308.7	18206.3	18318.1	18409.5	18546.5	18652.0	18800.0	18881.9	19047.3
7.5°	17892.9	17904.0	17883.5	18001.6	18138.6	18327.6	18458.3	18652.0	18702.4	18938.6
10°	17448.9	17368.5	17407.9	17581.1	17785.9	18075.6	18165.4	18359.1	18448.9	18689.8
12.5°	16740.2	16781.1	16732.3	16952.8	17122.9	17452.0	17546.5	17741.8	17913.4	18126.0
15°	15741.8	15718.1	15817.4	15989.0	16173.3	16434.7	16587.4	16800.0	16930.7	17151.2
17.5°	13497.7	13578.0	13987.4	14417.3	14795.3	15100.8	15283.5	15459.9	15554.4	15793.7
20°	11656.7	11555.9	11611.0	11853.6	12929.2	13396.9	13589.0	13631.5	13670.9	13859.9
22.5°	9598.4	9565.4	9749.6	10022.1	10277.2	11355.9	11617.3	11518.1	11600.0	11778.0
25°	7127.6	7294.5	7458.3	7981.1	8311.8	8841.0	9337.0	9381.1	9411.0	9522.9
27.5°	5801.6	5743.3	5740.2	5886.6	6374.8	6815.8	7237.8	7335.4	7318.1	7425.2
30°	4560.6	4541.7	4475.6	4510.2	4461.4	4853.6	5052.0	5453.6	5431.5	5434.7
32.5°	3289.8	3218.9	3192.1	3244.1	3193.7	3157.5	3330.7	3784.3	3776.4	3807.9
35°	1990.6	1981.1	2003.2	2048.8	1948.0	1944.9	1981.1	2407.9	2459.8	2510.2
37.5°	1099.2	1089.8	1107.1	1275.6	1242.5	1212.6	1222.0	1447.2	1596.9	1634.6
40°	724.4	722.8	735.4	765.4	822.0	811.0	815.7	916.5	1058.3	1091.3
42.5°	485.0	486.6	494.5	529.1	537.0	593.7	584.3	607.9	740.2	768.5
45°	387.4	385.8	390.6	374.8	384.3	442.5	448.8	450.4	563.8	581.1
47.5°	305.5	305.5	310.2	289.8	285.0	321.3	354.3	359.1	450.4	474.0
50°	214.2	214.2	237.8	228.3	239.4	250.4	286.6	291.3	368.5	393.7
52.5°	157.5	160.6	163.8	165.4	201.6	200.0	231.5	253.5	278.7	322.8
55°	119.7	122.8	115.0	122.8	149.6	166.9	173.2	204.7	222.0	270.9
57.5°	78.7	86.6	80.3	94.5	100.8	129.1	138.6	168.5	179.5	222.0
60°	11.0	12.6	20.5	66.1	70.9	85.0	107.1	133.9	144.9	181.1
62.5°	1.6	1.6	4.7	11.0	47.2	56.7	80.3	92.9	107.1	135.4
65°	0.0	0.0	1.6	3.1	9.4	33.1	40.9	50.4	74.0	97.6
67.5°	0.0	0.0	1.6	3.1	4.7	11.0	17.3	33.1	42.5	67.7
70°	0.0	0.0	1.6	3.1	4.7	6.3	9.4	12.6	25.2	39.4
72.5°	0.0	0.0	1.6	3.1	4.7	6.3	7.9	9.4	11.0	25.2
75°	0.0	0.0	1.6	3.1	4.7	7.9	9.4	9.4	9.4	11.0
77.5°	0.0	0.0	1.6	3.1	6.3	9.4	11.0	9.4	7.9	7.9
80°	0.0	0.0	1.6	4.7	7.9	11.0	12.6	9.4	6.3	4.7
82.5°	0.0	0.0	1.6	4.7	7.9	11.0	12.6	11.0	6.3	4.7
85°	0.0	0.0	1.6	4.7	6.3	7.9	12.6	11.0	6.3	3.1
87.5°	0.0	0.0	0.0	1.6	1.6	3.1	6.3	4.7	3.1	1.6
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°
19025.2	0°	19025.2	19025.2	19025.2	19025.2	19025.2	19025.2	19025.2	19025.2	19025.2
19074.1	2.5°	19215.8	19286.7	19411.1	19445.7	19552.8	19430.0	19362.2	19368.5	19222.1
19026.8	5°	19215.8	19378.0	19595.3	19699.2	19778.0	19771.7	19754.4	19710.3	19603.2
18932.3	7.5°	19165.4	19430.0	19729.2	19867.8	19962.2	19954.4	19993.7	19922.9	19792.2
18763.8	10°	19003.2	19233.1	19601.6	19715.0	19867.8	19870.9	19822.1	19836.3	19603.2
18148.1	12.5°	18492.9	18672.5	18995.3	19124.4	19310.3	19340.2	19286.7	19266.2	19045.7
17138.6	15°	17505.5	17609.5	17933.9	18063.0	18247.3	18222.1	18275.6	18253.6	18059.9
15774.8	17.5°	16061.4	16094.5	16434.7	16543.3	16716.6	16784.3	16704.0	16806.3	16639.4
13892.9	20°	13990.6	14168.5	14551.2	14718.1	14818.9	14940.2	14834.7	14949.6	14754.4
11609.5	22.5°	11889.8	11995.3	12341.8	12582.7	12770.1	12793.7	12754.4	12834.7	12571.7
9596.9	25°	9595.3	9770.1	10044.1	10359.1	10543.3	10656.7	10554.4	10606.3	10563.8
7442.5	27.5°	7568.5	7724.4	7930.7	8165.4	8442.5	8590.6	8508.7	8596.9	8389.0
5549.6	30°	5554.3	5633.1	5866.2	6115.0	6418.9	6598.4	6606.3	6696.1	6573.2
3888.2	32.5°	3916.5	3985.8	4129.1	4294.5	4584.3	4784.3	4752.8	4765.4	4689.8
2533.9	35°	2546.5	2639.4	2741.7	2820.5	2995.3	3215.8	3198.4	3182.7	3130.7
1666.1	37.5°	1702.4	1738.6	1795.3	1866.1	1979.5	2118.1	2163.8	2107.1	2085.0
1124.4	40°	1151.2	1214.2	1252.0	1305.5	1359.1	1475.6	1507.1	1496.1	1474.0
787.4	42.5°	817.3	866.1	913.4	965.4	993.7	1066.1	1127.6	1110.2	1100.8
598.4	45°	620.5	664.6	719.7	759.1	787.4	829.9	888.2	894.5	880.3
480.3	47.5°	497.6	537.0	581.1	629.9	663.0	689.8	740.2	759.1	749.6
404.7	50°	422.0	452.0	494.5	543.3	579.5	603.2	647.2	667.7	661.4
338.6	52.5°	359.1	395.3	434.6	475.6	519.7	543.3	584.3	614.2	609.4
280.3	55°	297.6	344.9	385.8	426.8	477.2	500.8	537.0	576.4	568.5
237.8	57.5°	259.8	299.2	341.7	381.1	434.6	466.1	499.2	540.2	538.6
195.3	60°	217.3	256.7	303.9	337.0	393.7	437.8	467.7	510.2	513.4
148.0	62.5°	173.2	222.0	258.3	303.9	355.9	407.9	436.2	478.7	494.5
113.4	65°	129.1	182.7	223.6	269.3	318.1	376.4	401.6	444.1	459.8
81.9	67.5°	96.1	137.0	189.0	228.3	283.5	333.9	363.8	403.2	414.2
48.8	70°	72.4	105.5	157.5	192.1	248.8	289.8	319.7	349.6	363.8
33.1	72.5°	42.5	78.7	124.4	165.4	214.2	248.8	270.9	294.5	303.9
15.7	75°	29.9	59.8	97.6	137.0	173.2	201.6	222.0	242.5	252.0
7.9	77.5°	15.7	44.1	77.2	110.2	135.4	159.1	179.5	195.3	201.6
6.3	80°	9.4	31.5	63.0	86.6	103.9	124.4	144.9	155.9	154.3
4.7	82.5°	6.3	25.2	45.7	63.0	75.6	91.3	105.5	113.4	113.4
3.1	85°	4.7	17.3	31.5	48.8	50.4	63.0	66.1	74.0	75.6
3.1	87.5°	3.1	11.0	17.3	28.3	26.8	33.1	34.6	39.4	42.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
19025.2
19104.0
19637.8
19822.1
19535.5
18995.3
18121.3
16598.5
14738.6
12535.5
10537.0
8442.5
6595.3
4732.3
3085.0
2080.3
1477.2
1092.9
878.7
744.9
659.8
606.3
568.5
537.0
513.4
492.9
458.3
414.2
360.6
300.8
248.8
200.0
152.8
111.8
74.0
40.9
0.0

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