

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: P637534

Luminaire Tested: **IFLD-S-SA6E-722-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637534
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6E-722-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (96) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36611.5 lumens
Efficiency: N/A
Efficacy: 78.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G2

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



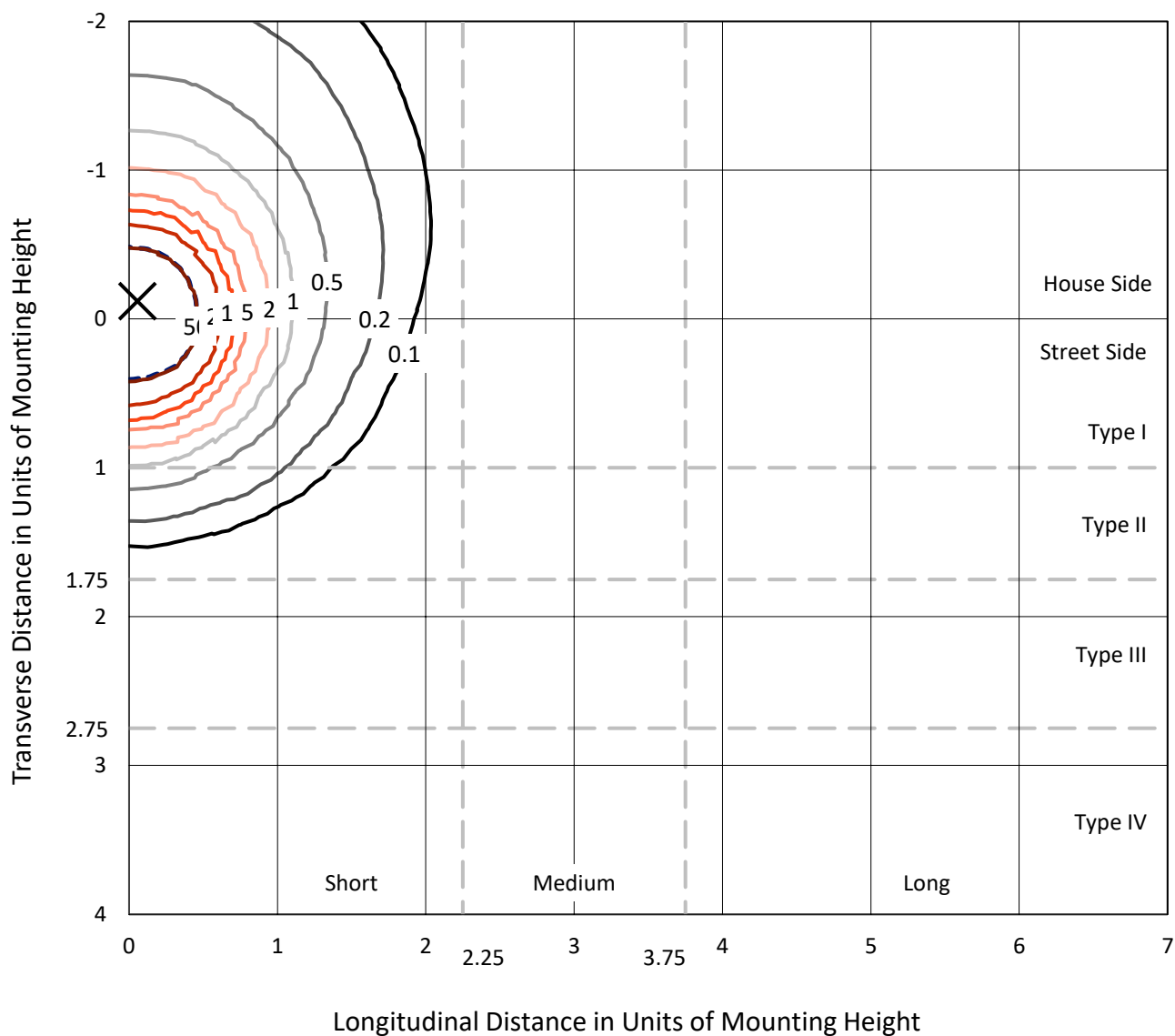
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

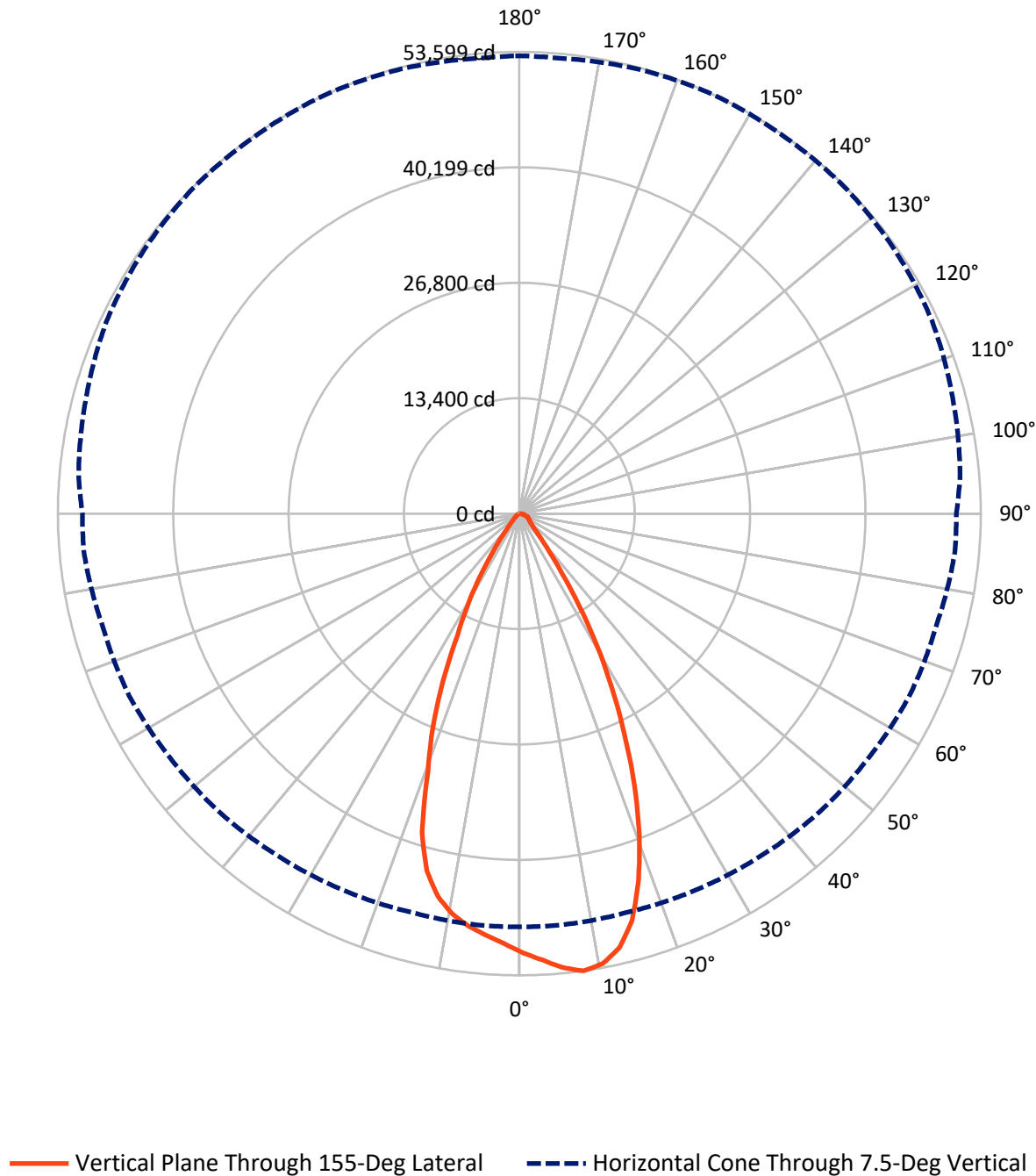


Based on 20 foot mounting height. Maximum calculated value = 129.6 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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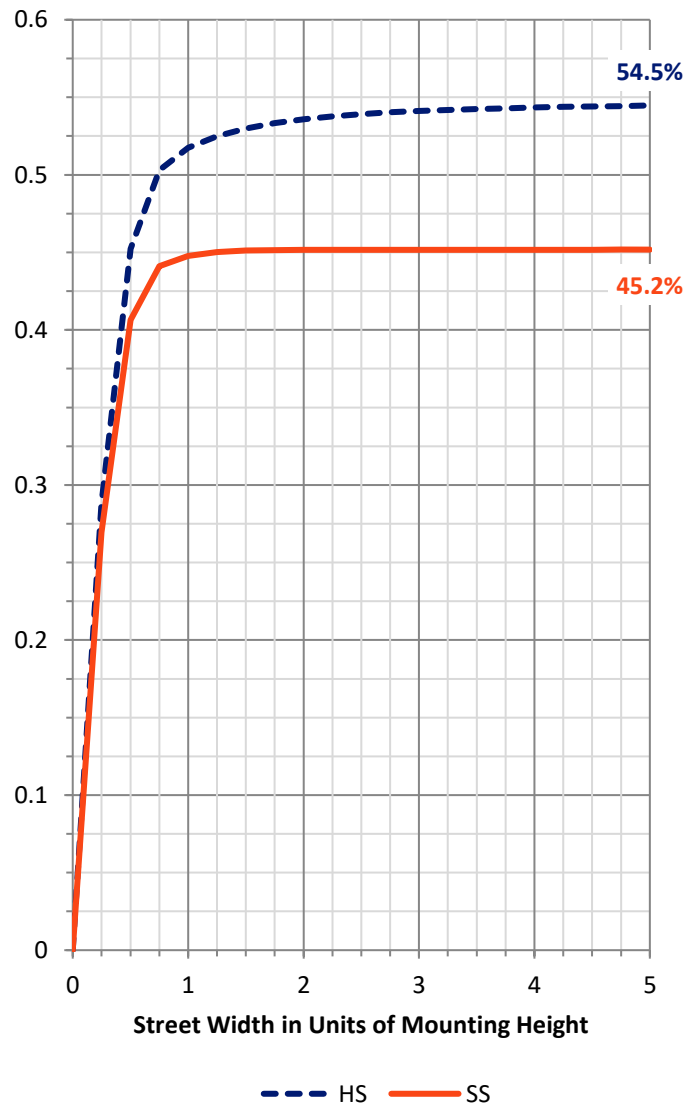
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20210.9	0.0	20210.9
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	16400.6	0.0	16400.6
	% Fixture	44.8	0.0	44.8
Total	Lumens	36611.5	0.0	36611.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4863.4	13.3
10°-20°	12610.9	34.4
20°-30°	11555.1	31.6
30°-40°	4668.3	12.8
40°-50°	1369.5	3.7
50°-60°	765.7	2.1
60°-70°	465.1	1.3
70°-80°	236.3	0.6
80°-90°	77.3	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°	36611.5	100.0
0°-180°	36611.5	100.0

Coefficient of Utilization



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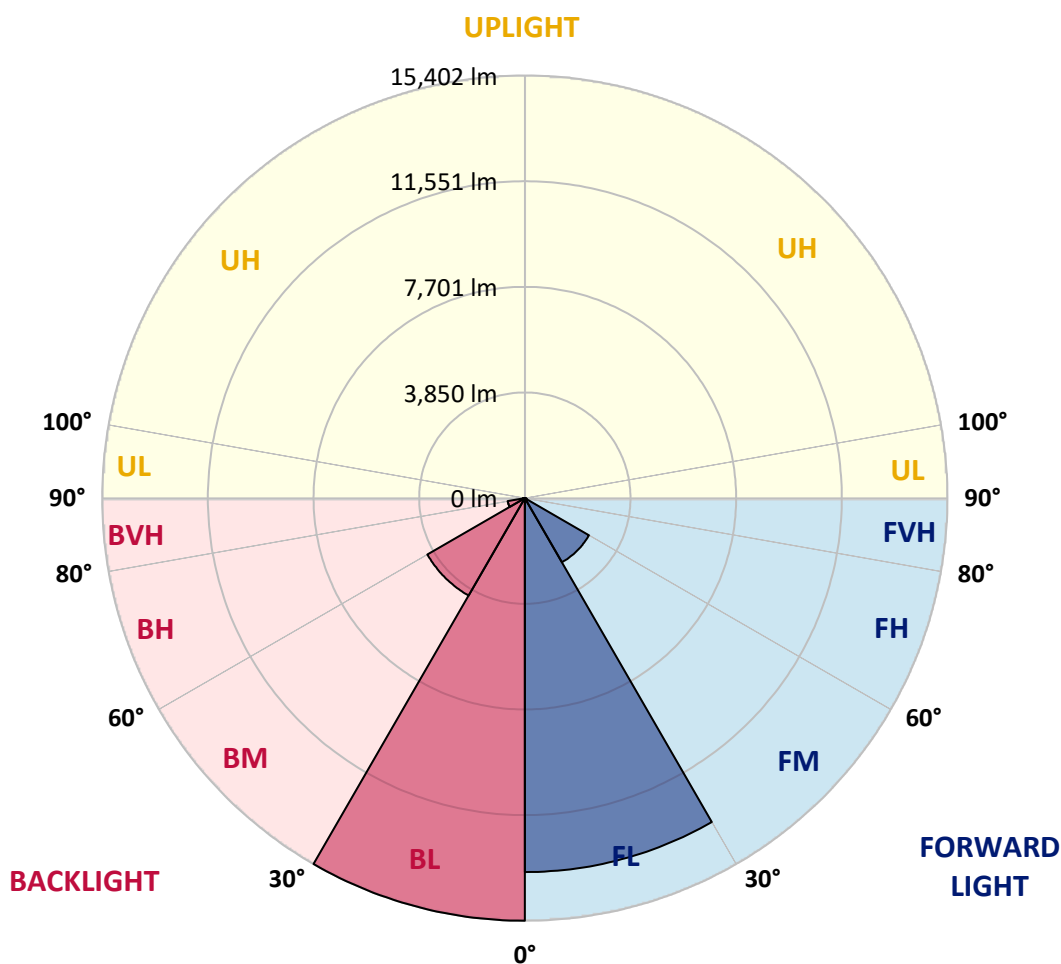
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	13627.7	37.2			
FM	(30°-60°)	2700.8	7.4			
FH	(60°-80°)	65.4	0.2			G0/660
FVH	(80°-90°)	6.7	0.0			G0/10
BL	(0°-30°)	15401.7	42.1	B5		
BM	(30°-60°)	4102.6	11.2	B3/5000		
BH	(60°-80°)	635.9	1.7	B2/1000		G2/1000
BVH	(80°-90°)	70.6	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-G2

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	51002.6	51002.6	51002.6	51002.6	51002.6	51002.6	51002.6	51002.6	51002.6	51002.6
2.5°	49896.6	50065.4	49727.7	49951.4	50124.5	50538.3	50572.0	50715.6	50766.2	51142.0
5°	48950.9	49081.8	48807.3	49107.1	49351.9	49719.2	50002.1	50398.9	50618.5	51061.7
7.5°	47967.2	47996.8	47941.9	48258.5	48625.8	49132.4	49482.8	50002.1	50137.2	50770.4
10°	46776.7	46561.4	46666.9	47131.3	47680.1	48456.9	48697.6	49216.9	49457.5	50103.4
12.5°	44876.9	44986.7	44855.8	45446.9	45902.8	46785.1	47038.4	47561.9	48022.1	48592.0
15°	42200.3	42137.0	42403.0	42863.2	43357.1	44057.9	44467.4	45037.3	45387.7	45978.8
17.5°	36184.4	36399.7	37497.3	38649.9	39663.1	40482.1	40971.8	41444.7	41698.0	42339.7
20°	31249.2	30979.0	31126.8	31776.9	34660.4	35914.2	36429.3	36543.2	36648.8	37155.4
22.5°	25731.4	25642.7	26136.7	26867.0	27551.0	30442.8	31143.7	30877.7	31097.2	31574.3
25°	19107.5	19555.0	19994.1	21395.7	22282.3	23700.8	25030.6	25148.8	25229.0	25528.8
27.5°	15552.8	15396.6	15388.2	15780.8	17089.5	18271.6	19403.0	19664.8	19618.3	19905.4
30°	12226.1	12175.5	11998.1	12091.0	11960.1	13011.4	13543.3	14619.8	14560.7	14569.2
32.5°	8819.2	8629.2	8557.4	8696.8	8561.7	8464.6	8928.9	10144.8	10123.7	10208.1
35°	5336.3	5310.9	5370.0	5492.5	5222.3	5213.8	5310.9	6455.0	6594.3	6729.4
37.5°	2946.8	2921.4	2967.9	3419.6	3330.9	3250.7	3276.1	3879.8	4280.8	4382.1
40°	1942.0	1937.8	1971.5	2051.8	2203.7	2174.2	2186.9	2457.0	2837.0	2925.7
42.5°	1300.3	1304.5	1325.6	1418.5	1439.6	1591.6	1566.3	1629.6	1984.2	2060.2
45°	1038.5	1034.3	1047.0	1004.8	1030.1	1186.3	1203.2	1207.4	1511.4	1557.8
47.5°	819.0	819.0	831.7	776.8	764.1	861.2	949.9	962.6	1207.4	1270.7
50°	574.2	574.2	637.5	612.1	641.7	671.3	768.4	781.0	987.9	1055.4
52.5°	422.2	430.6	439.1	443.3	540.4	536.2	620.6	679.7	747.2	865.5
55°	320.9	329.3	308.2	329.3	401.1	447.5	464.4	548.8	595.3	726.1
57.5°	211.1	232.2	215.3	253.3	270.2	346.2	371.5	451.7	481.3	595.3
60°	29.6	33.8	54.9	177.3	190.0	228.0	287.1	358.8	388.4	485.5
62.5°	4.2	4.2	12.7	29.6	126.7	152.0	215.3	249.1	287.1	363.1
65°	0.0	0.0	4.2	8.4	25.3	88.7	109.8	135.1	198.4	261.7
67.5°	0.0	0.0	4.2	8.4	12.7	29.6	46.4	88.7	114.0	181.5
70°	0.0	0.0	4.2	8.4	12.7	16.9	25.3	33.8	67.5	105.5
72.5°	0.0	0.0	4.2	8.4	12.7	16.9	21.1	25.3	29.6	67.5
75°	0.0	0.0	4.2	8.4	12.7	21.1	25.3	25.3	25.3	29.6
77.5°	0.0	0.0	4.2	8.4	16.9	25.3	29.6	25.3	21.1	21.1
80°	0.0	0.0	4.2	12.7	21.1	29.6	33.8	25.3	16.9	12.7
82.5°	0.0	0.0	4.2	12.7	21.1	29.6	33.8	29.6	16.9	12.7
85°	0.0	0.0	4.2	12.7	16.9	21.1	33.8	29.6	16.9	8.4
87.5°	0.0	0.0	0.0	4.2	4.2	8.4	16.9	12.7	8.4	4.2
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°
51002.6	0°	51002.6	51002.6	51002.6	51002.6	51002.6	51002.6	51002.6	51002.6	51002.6
51133.5	2.5°	51513.5	51703.4	52037.0	52129.8	52416.9	52087.6	51906.1	51923.0	51530.4
51006.9	5°	51513.5	51948.3	52530.9	52809.5	53020.6	53003.7	52957.3	52839.1	52552.0
50753.6	7.5°	51378.4	52087.6	52889.8	53261.3	53514.6	53493.5	53599.0	53409.0	53058.6
50301.8	10°	50943.5	51559.9	52547.8	52851.8	53261.3	53269.7	53138.8	53176.8	52552.0
48651.1	12.5°	49575.7	50057.0	50922.4	51268.6	51766.8	51847.0	51703.4	51648.6	51057.5
45945.0	15°	46928.7	47207.3	48077.0	48423.2	48917.1	48849.6	48993.1	48934.0	48414.7
42289.0	17.5°	43057.4	43146.0	44057.9	44349.2	44813.6	44995.1	44779.8	45054.2	44606.7
37244.0	20°	37505.8	37982.8	39008.7	39456.2	39726.4	40051.5	39768.6	40076.8	39553.3
31122.5	22.5°	31874.0	32156.9	33085.6	33731.6	34234.0	34297.3	34191.7	34407.0	33702.0
25727.2	25°	25723.0	26191.6	26926.2	27770.5	28264.4	28568.4	28294.0	28433.3	28319.3
19951.9	27.5°	20289.6	20707.6	21260.6	21889.6	22632.7	23029.5	22810.0	23046.4	22489.1
14877.4	30°	14890.0	15101.1	15725.9	16393.0	17207.7	17689.0	17710.1	17950.8	17621.5
10423.4	32.5°	10499.4	10685.2	11069.4	11512.6	12289.4	12825.6	12741.2	12774.9	12572.3
6792.8	35°	6826.5	7075.6	7350.0	7561.1	8029.7	8620.8	8574.3	8532.1	8392.8
4466.6	37.5°	4563.7	4660.8	4812.8	5002.7	5306.7	5678.2	5800.6	5648.7	5589.6
3014.3	40°	3086.1	3254.9	3356.3	3499.8	3643.3	3955.8	4040.2	4010.6	3951.5
2110.9	42.5°	2191.1	2321.9	2448.6	2587.9	2663.9	2858.1	3022.8	2976.3	2951.0
1604.3	45°	1663.4	1781.6	1929.3	2034.9	2110.9	2224.8	2381.1	2397.9	2359.9
1287.6	47.5°	1334.1	1439.6	1557.8	1688.7	1777.3	1849.1	1984.2	2034.9	2009.5
1085.0	50°	1131.4	1211.6	1325.6	1456.5	1553.6	1616.9	1735.1	1790.0	1773.1
907.7	52.5°	962.6	1059.7	1165.2	1275.0	1393.2	1456.5	1566.3	1646.5	1633.8
751.5	55°	797.9	924.6	1034.3	1144.1	1279.2	1342.5	1439.6	1545.2	1524.0
637.5	57.5°	696.6	802.1	916.1	1021.7	1165.2	1249.6	1338.3	1448.1	1443.8
523.5	60°	582.6	688.1	814.8	903.4	1055.4	1173.6	1253.9	1367.8	1376.3
396.8	62.5°	464.4	595.3	692.4	814.8	954.1	1093.4	1169.4	1283.4	1325.6
304.0	65°	346.2	489.7	599.5	721.9	852.8	1009.0	1076.5	1190.5	1232.7
219.5	67.5°	257.5	367.3	506.6	612.1	759.9	895.0	975.2	1080.8	1110.3
130.9	70°	194.2	282.9	422.2	515.1	667.0	776.8	857.0	937.2	975.2
88.7	72.5°	114.0	211.1	333.5	443.3	574.2	667.0	726.1	789.5	814.8
42.2	75°	80.2	160.4	261.7	367.3	464.4	540.4	595.3	650.1	675.5
21.1	77.5°	42.2	118.2	206.9	295.5	363.1	426.4	481.3	523.5	540.4
16.9	80°	25.3	84.4	168.9	232.2	278.6	333.5	388.4	418.0	413.7
12.7	82.5°	16.9	67.5	122.4	168.9	202.6	244.9	282.9	304.0	304.0
8.4	85°	12.7	46.4	84.4	130.9	135.1	168.9	177.3	198.4	202.6
8.4	87.5°	8.4	29.6	46.4	76.0	71.8	88.7	92.9	105.5	114.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
51002.6
51213.7
52644.9
53138.8
52370.5
50922.4
48579.4
44497.0
39511.1
33604.9
28247.6
22632.7
17680.6
12686.3
8270.4
5576.9
3960.0
2929.9
2355.7
1996.9
1768.9
1625.4
1524.0
1439.6
1376.3
1321.4
1228.5
1110.3
966.8
806.3
667.0
536.2
409.5
299.7
198.4
109.8
0.0

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