

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: P637589

Luminaire Tested: **IFLD-S-SA6B-730-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637589
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-730-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (96) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28551.8 lumens
Efficiency: N/A
Efficacy: 116.6 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): 244.9
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



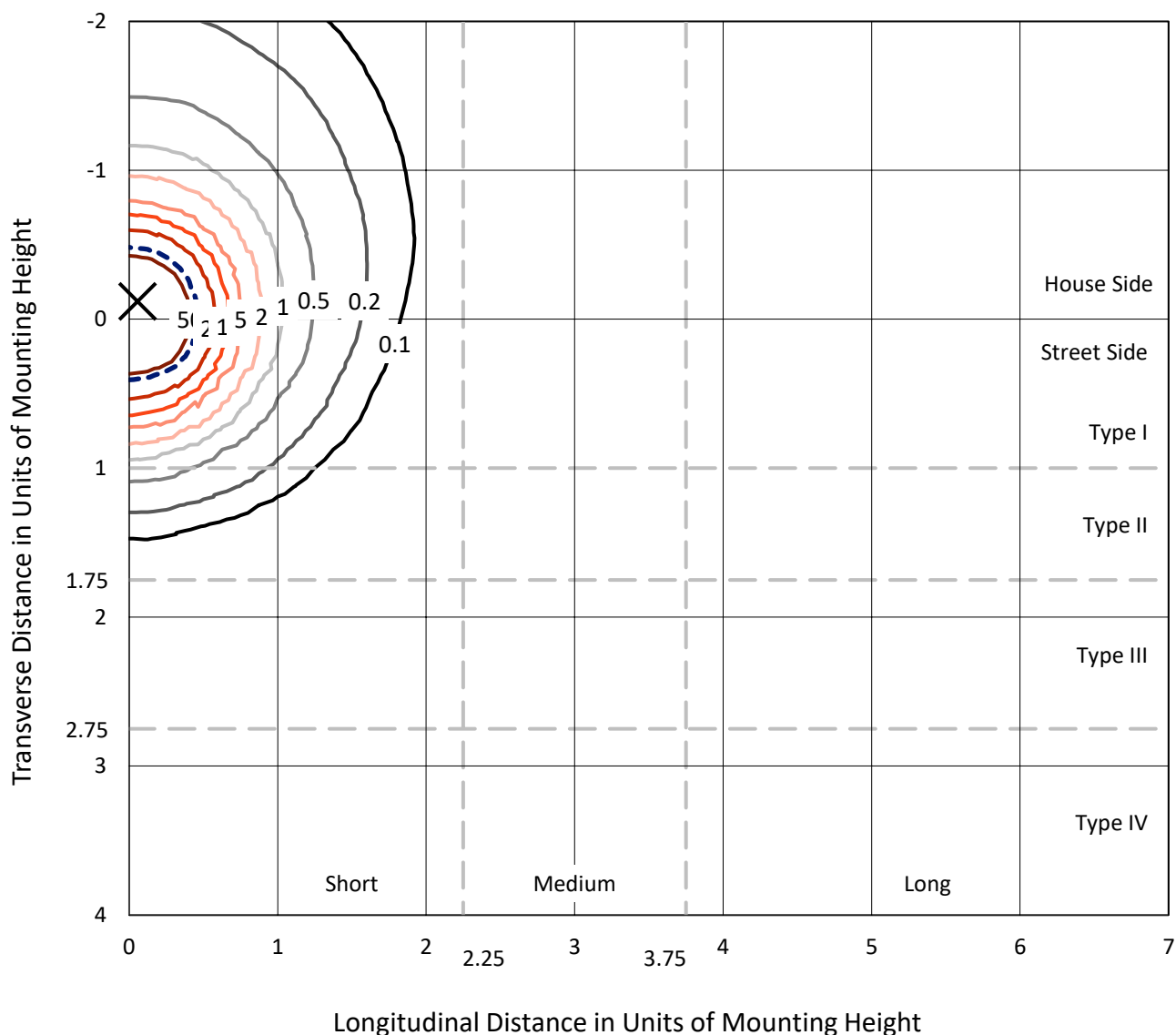
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



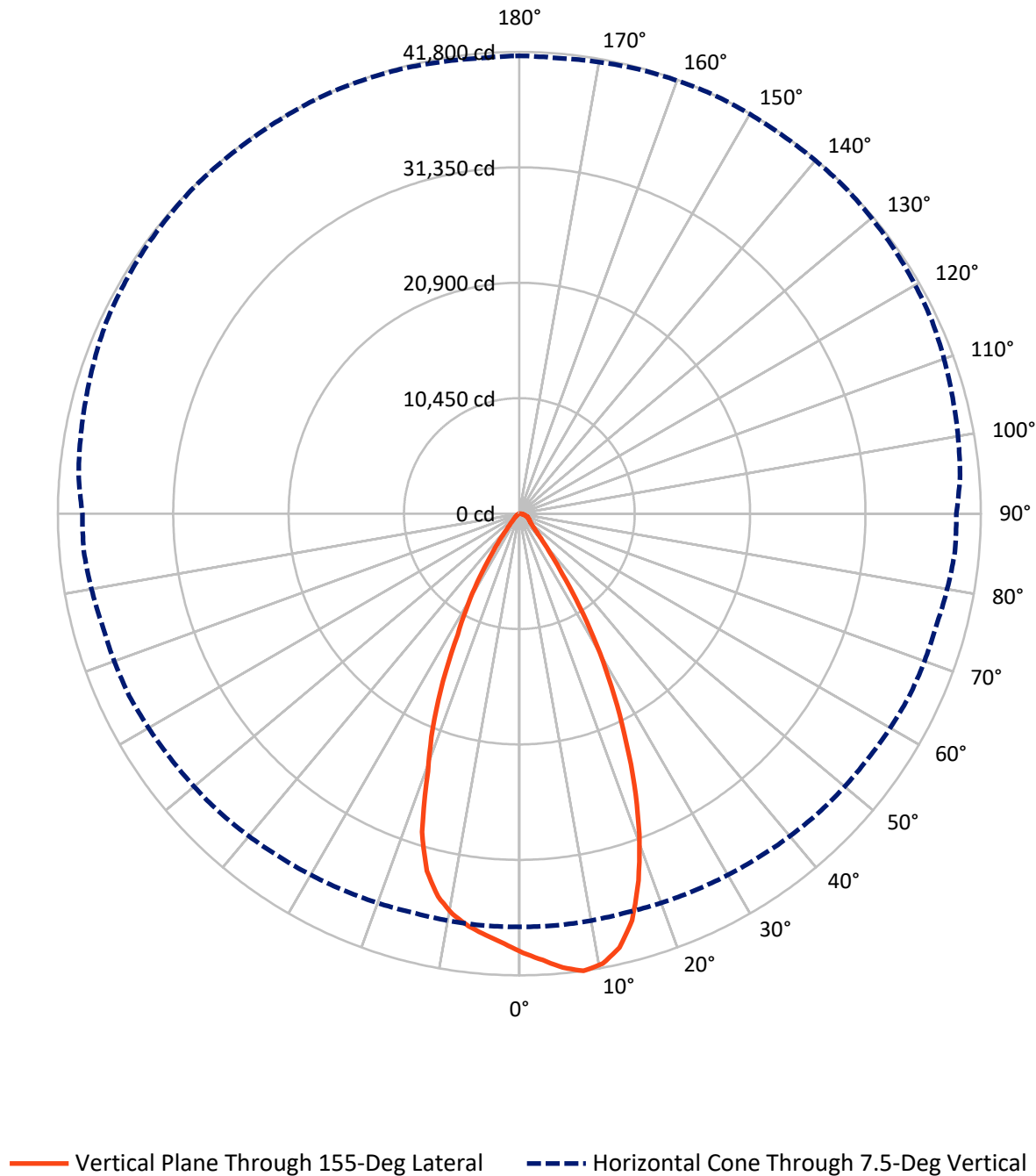
Based on 20 foot mounting height. Maximum calculated value = 101.1 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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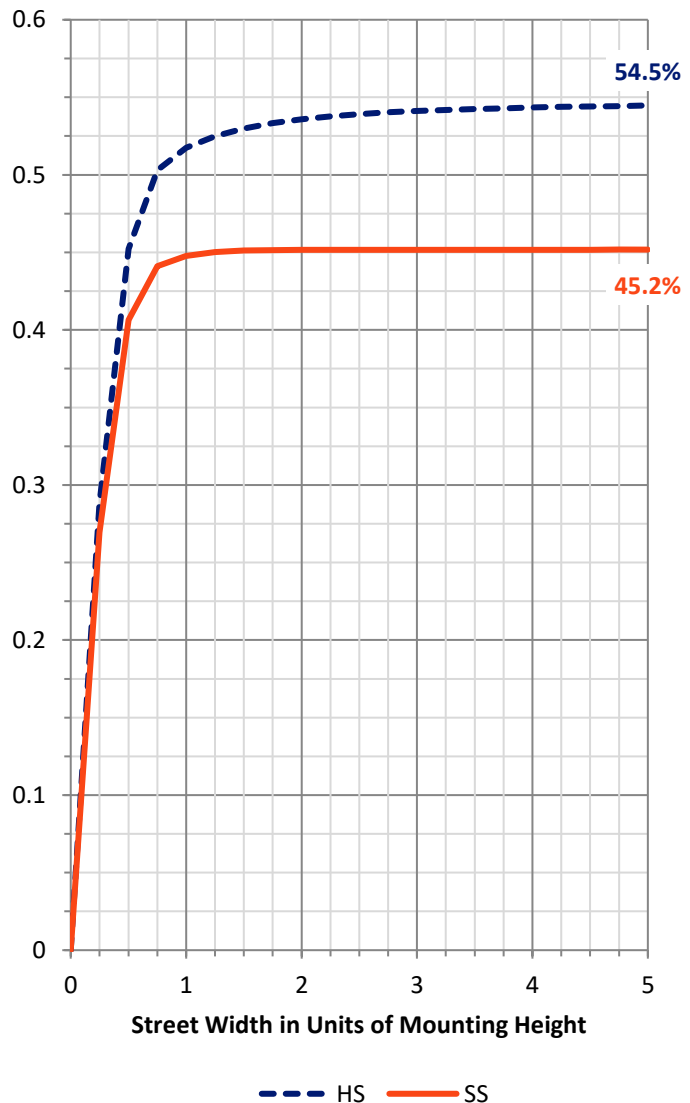
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15761.6	0.0	15761.6
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	12790.2	0.0	12790.2
	% Fixture	44.8	0.0	44.8
Total	Lumens	28551.8	0.0	28551.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3792.8	13.3
10°-20°	9834.7	34.4
20°-30°	9011.3	31.6
30°-40°	3640.6	12.8
40°-50°	1068.0	3.7
50°-60°	597.1	2.1
60°-70°	362.7	1.3
70°-80°	184.3	0.6
80°-90°	60.3	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°	28551.8	100.0
0°-180°	28551.8	100.0

Coefficient of Utilization



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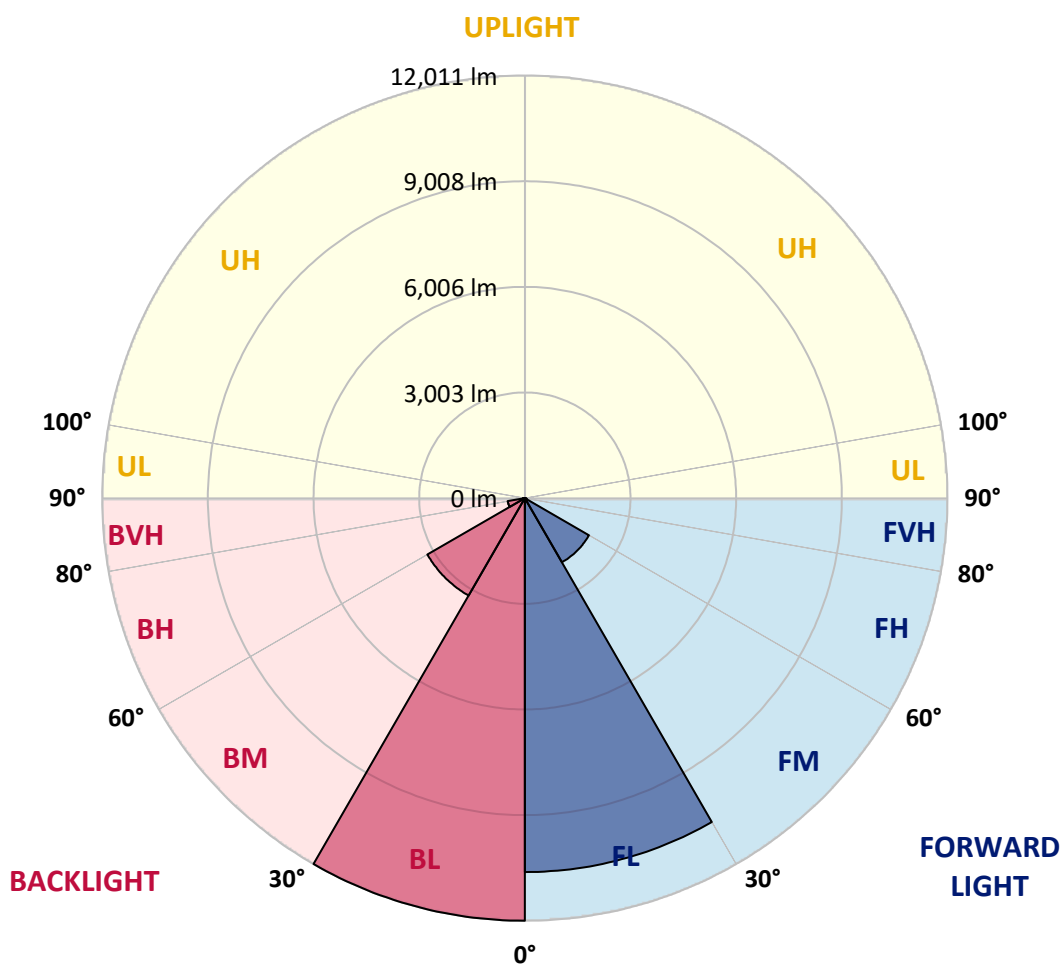
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	10627.7	37.2			
FM	(30°-60°)	2106.2	7.4			
FH	(60°-80°)	51.0	0.2			G0/660
FVH	(80°-90°)	5.2	0.0			G0/10
BL	(0°-30°)	12011.2	42.1	B5		
BM	(30°-60°)	3199.5	11.2	B3/5000		
BH	(60°-80°)	495.9	1.7	B1/500		G1/500
BVH	(80°-90°)	55.0	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°	39774.8	39774.8	39774.8	39774.8	39774.8	39774.8	39774.8	39774.8	39774.8	39774.8
2.5°	38912.3	39043.9	38780.6	38955.1	39090.0	39412.7	39439.0	39551.0	39590.5	39883.5
5°	38174.8	38276.8	38062.8	38296.6	38487.5	38774.0	38994.6	39304.0	39475.2	39820.9
7.5°	37407.7	37430.7	37387.9	37634.8	37921.3	38316.3	38589.6	38994.6	39099.9	39593.8
10°	36479.2	36311.3	36393.6	36755.8	37183.8	37789.6	37977.2	38382.2	38569.9	39073.6
12.5°	34997.7	35083.3	34981.2	35442.1	35797.7	36485.8	36683.3	37091.6	37450.5	37894.9
15°	32910.3	32860.9	33068.3	33427.2	33812.4	34358.9	34678.3	35122.8	35396.0	35857.0
17.5°	28218.7	28386.6	29242.6	30141.4	30931.6	31570.3	31952.2	32321.0	32518.5	33019.0
20°	24370.0	24159.2	24274.5	24781.5	27030.2	28008.0	28409.7	28498.6	28580.9	28975.9
22.5°	20066.9	19997.7	20382.9	20952.5	21485.9	23741.1	24287.6	24080.2	24251.4	24623.5
25°	14901.2	15250.2	15592.6	16685.6	17377.0	18483.2	19520.3	19612.5	19675.1	19908.8
27.5°	12129.0	12007.2	12000.6	12306.8	13327.4	14249.3	15131.6	15335.8	15299.5	15523.4
30°	9534.6	9495.1	9356.9	9429.3	9327.2	10147.0	10561.9	11401.4	11355.3	11361.9
32.5°	6877.7	6729.6	6673.6	6782.2	6676.9	6601.2	6963.3	7911.5	7895.0	7960.9
35°	4161.5	4141.8	4187.9	4283.3	4072.6	4066.0	4141.8	5034.0	5142.6	5248.0
37.5°	2298.1	2278.3	2314.5	2666.8	2597.7	2535.1	2554.9	3025.7	3338.4	3417.5
40°	1514.5	1511.2	1537.5	1600.1	1718.6	1695.6	1705.4	1916.1	2212.5	2281.6
42.5°	1014.0	1017.3	1033.8	1106.2	1122.7	1241.2	1221.5	1270.8	1547.4	1606.7
45°	809.9	806.6	816.5	783.6	803.3	925.1	938.3	941.6	1178.7	1214.9
47.5°	638.7	638.7	648.6	605.8	595.9	671.6	740.8	750.7	941.6	991.0
50°	447.8	447.8	497.1	477.4	500.4	523.5	599.2	609.1	770.4	823.1
52.5°	329.2	335.8	342.4	345.7	421.4	418.1	484.0	530.1	582.7	674.9
55°	250.2	256.8	240.3	256.8	312.8	349.0	362.2	428.0	464.2	566.3
57.5°	164.6	181.1	167.9	197.5	210.7	270.0	289.7	352.3	375.3	464.2
60°	23.0	26.3	42.8	138.3	148.2	177.8	223.9	279.8	302.9	378.6
62.5°	3.3	3.3	9.9	23.0	98.8	118.5	167.9	194.2	223.9	283.1
65°	0.0	0.0	3.3	6.6	19.8	69.1	85.6	105.4	154.7	204.1
67.5°	0.0	0.0	3.3	6.6	9.9	23.0	36.2	69.1	88.9	141.6
70°	0.0	0.0	3.3	6.6	9.9	13.2	19.8	26.3	52.7	82.3
72.5°	0.0	0.0	3.3	6.6	9.9	13.2	16.5	19.8	23.0	52.7
75°	0.0	0.0	3.3	6.6	9.9	16.5	19.8	19.8	19.8	23.0
77.5°	0.0	0.0	3.3	6.6	13.2	19.8	23.0	19.8	16.5	16.5
80°	0.0	0.0	3.3	9.9	16.5	23.0	26.3	19.8	13.2	9.9
82.5°	0.0	0.0	3.3	9.9	16.5	23.0	26.3	23.0	13.2	9.9
85°	0.0	0.0	3.3	9.9	13.2	16.5	26.3	23.0	13.2	6.6
87.5°	0.0	0.0	0.0	3.3	3.3	6.6	13.2	9.9	6.6	3.3
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°
39774.8	0°	39774.8	39774.8	39774.8	39774.8	39774.8	39774.8	39774.8	39774.8	39774.8
39876.9	2.5°	40173.2	40321.4	40581.5	40653.9	40877.8	40621.0	40479.4	40492.6	40186.4
39778.1	5°	40173.2	40512.3	40966.7	41184.0	41348.6	41335.4	41299.2	41207.0	40983.1
39580.6	7.5°	40067.9	40621.0	41246.5	41536.3	41733.8	41717.3	41799.6	41651.5	41378.2
39228.3	10°	39728.8	40209.4	40979.8	41216.9	41536.3	41542.8	41440.8	41470.4	40983.1
37941.0	12.5°	38662.0	39037.4	39712.3	39982.3	40370.8	40433.3	40321.4	40278.6	39817.6
35830.6	15°	36597.7	36815.0	37493.3	37763.2	38148.4	38095.8	38207.7	38161.6	37756.6
32979.4	17.5°	33578.7	33647.8	34358.9	34586.1	34948.3	35089.8	34921.9	35135.9	34786.9
29045.1	20°	29249.2	29621.2	30421.3	30770.3	30981.0	31234.5	31013.9	31254.3	30846.0
24271.2	22.5°	24857.2	25077.8	25802.1	26305.9	26697.6	26747.0	26664.7	26832.6	26282.8
20063.6	25°	20060.3	20425.7	20998.6	21657.1	22042.3	22279.3	22065.3	22174.0	22085.1
15559.6	27.5°	15823.0	16149.0	16580.3	17070.8	17650.3	17959.8	17788.6	17972.9	17538.3
11602.2	30°	11612.1	11776.7	12264.0	12784.2	13419.6	13794.9	13811.4	13999.1	13742.3
8128.8	32.5°	8188.1	8332.9	8632.5	8978.2	9584.0	10002.2	9936.3	9962.6	9804.6
5297.4	35°	5323.7	5518.0	5732.0	5896.6	6262.0	6723.0	6686.8	6653.8	6545.2
3483.3	37.5°	3559.0	3634.8	3753.3	3901.4	4138.5	4428.2	4523.7	4405.2	4359.1
2350.7	40°	2406.7	2538.4	2617.4	2729.4	2841.3	3084.9	3150.8	3127.7	3081.6
1646.2	42.5°	1708.7	1810.8	1909.6	2018.2	2077.5	2228.9	2357.3	2321.1	2301.4
1251.1	45°	1297.2	1389.4	1504.6	1586.9	1646.2	1735.1	1856.9	1870.1	1840.4
1004.2	47.5°	1040.4	1122.7	1214.9	1316.9	1386.1	1442.0	1547.4	1586.9	1567.2
846.1	50°	882.3	944.9	1033.8	1135.9	1211.6	1261.0	1353.2	1396.0	1382.8
707.9	52.5°	750.7	826.4	908.7	994.3	1086.5	1135.9	1221.5	1284.0	1274.1
586.0	55°	622.3	721.0	806.6	892.2	997.6	1047.0	1122.7	1205.0	1188.5
497.1	57.5°	543.2	625.5	714.4	796.7	908.7	974.5	1043.7	1129.3	1126.0
408.3	60°	454.3	536.7	635.4	704.6	823.1	915.3	977.8	1066.7	1073.3
309.5	62.5°	362.2	464.2	539.9	635.4	744.1	852.7	912.0	1000.9	1033.8
237.0	65°	270.0	381.9	467.5	563.0	665.1	786.9	839.5	928.4	961.4
171.2	67.5°	200.8	286.4	395.1	477.4	592.6	698.0	760.5	842.8	865.9
102.1	70°	151.4	220.6	329.2	401.7	520.2	605.8	668.3	730.9	760.5
69.1	72.5°	88.9	164.6	260.1	345.7	447.8	520.2	566.3	615.7	635.4
32.9	75°	62.6	125.1	204.1	286.4	362.2	421.4	464.2	507.0	526.8
16.5	77.5°	32.9	92.2	161.3	230.5	283.1	332.5	375.3	408.3	421.4
13.2	80°	19.8	65.8	131.7	181.1	217.3	260.1	302.9	325.9	322.7
9.9	82.5°	13.2	52.7	95.5	131.7	158.0	191.0	220.6	237.0	237.0
6.6	85°	9.9	36.2	65.8	102.1	105.4	131.7	138.3	154.7	158.0
6.6	87.5°	6.6	23.0	36.2	59.3	56.0	69.1	72.4	82.3	88.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
39774.8
39939.5
41055.6
41440.8
40841.6
39712.3
37885.0
34701.3
30813.1
26207.1
22029.1
17650.3
13788.4
9893.5
6449.7
4349.2
3088.2
2284.9
1837.1
1557.3
1379.5
1267.6
1188.5
1122.7
1073.3
1030.5
958.1
865.9
753.9
628.8
520.2
418.1
319.4
233.8
154.7
85.6
0.0

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