

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: P637529

Luminaire Tested: **IFLD-S-SA3E-722-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637529
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3E-722-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18663.4 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 232.1
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



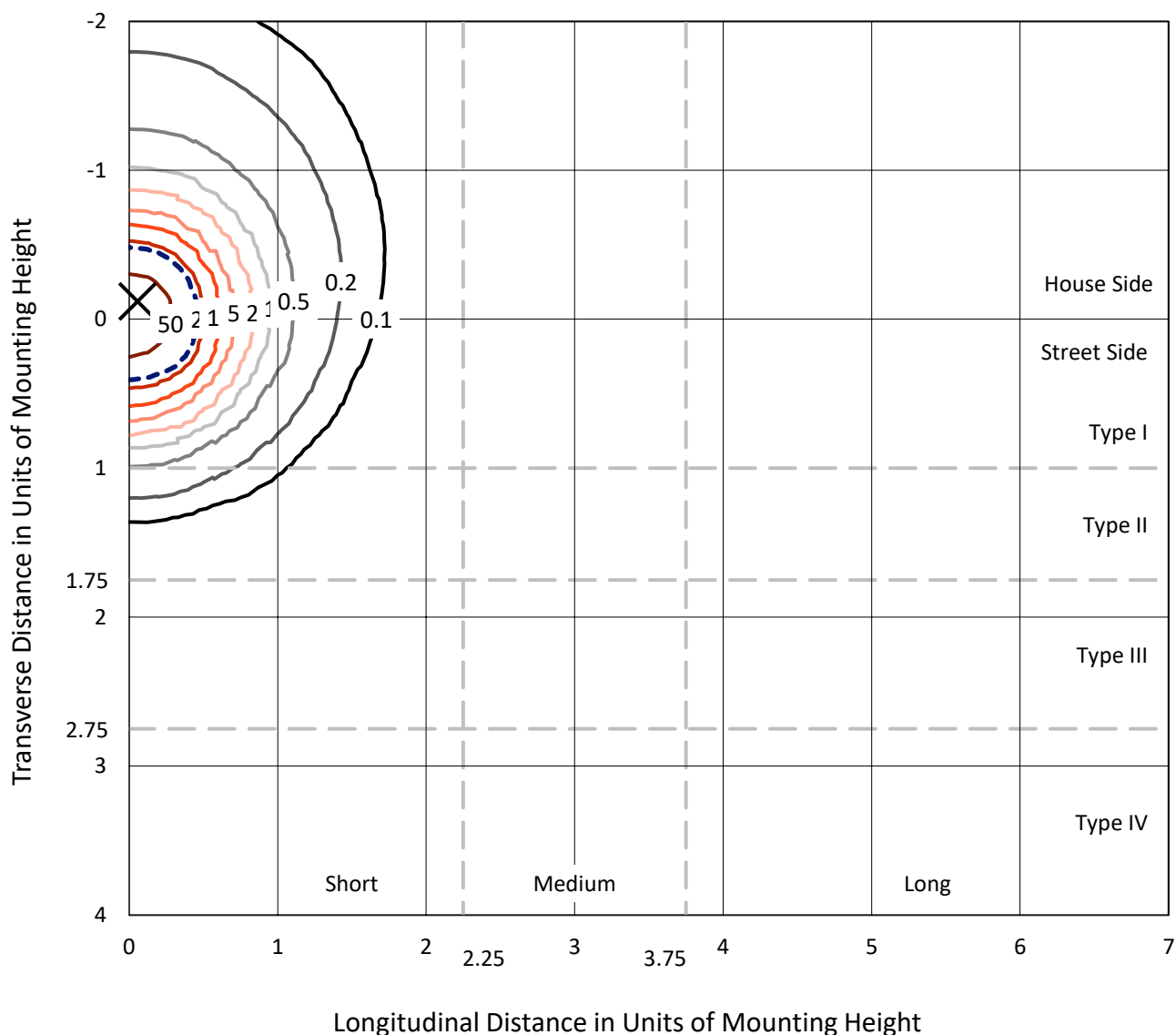
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

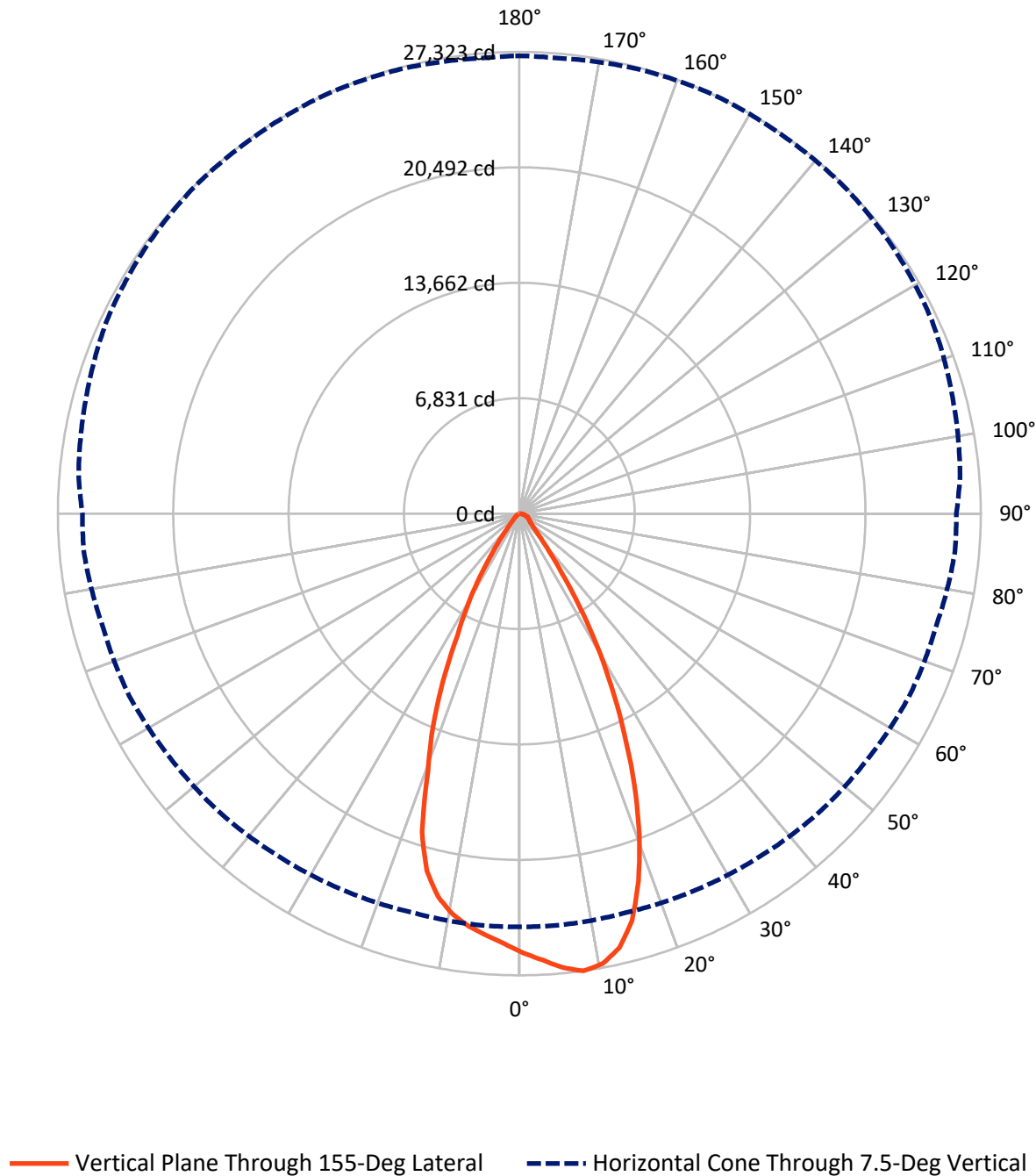


Based on 20 foot mounting height. Maximum calculated value = 66.1 fc

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	10302.9	0.0	10302.9
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	8360.5	0.0	8360.5
	% Fixture	44.8	0.0	44.8
Total	Lumens	18663.4	0.0	18663.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2479.2	13.3
10°-20°	6428.6	34.4
20°-30°	5890.4	31.6
30°-40°	2379.7	12.8
40°-50°	698.1	3.7
50°-60°	390.3	2.1
60°-70°	237.1	1.3
70°-80°	120.5	0.6
80°-90°	39.4	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°	18663.4	100.0
0°-180°	18663.4	100.0

Coefficient of Utilization



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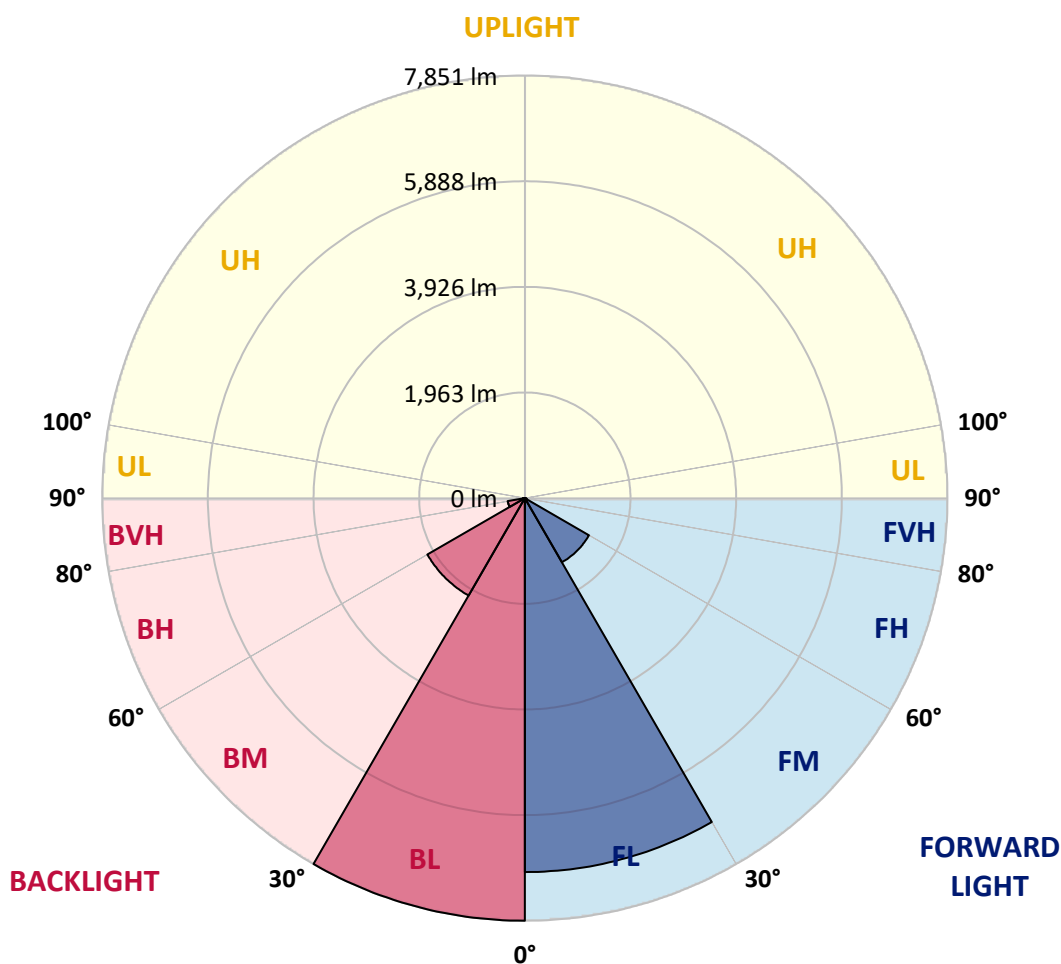
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6947.0	37.2			
FM	(30°-60°)	1376.8	7.4			
FH	(60°-80°)	33.4	0.2			G0/660
FVH	(80°-90°)	3.4	0.0			G0/10
BL	(0°-30°)	7851.3	42.1	B5		
BM	(30°-60°)	2091.4	11.2	B2/2500		
BH	(60°-80°)	324.2	1.7	B1/500		G1/500
BVH	(80°-90°)	36.0	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°	25999.5	25999.5	25999.5	25999.5	25999.5	25999.5	25999.5	25999.5	25999.5	25999.5
2.5°	25435.7	25521.8	25349.6	25463.6	25551.9	25762.8	25780.0	25853.2	25879.0	26070.5
5°	24953.6	25020.3	24880.4	25033.2	25158.0	25345.3	25489.5	25691.8	25803.7	26029.6
7.5°	24452.2	24467.2	24439.2	24600.7	24787.9	25046.1	25224.8	25489.5	25558.3	25881.2
10°	23845.3	23735.5	23789.3	24026.0	24305.8	24701.8	24824.5	25089.2	25211.9	25541.1
12.5°	22876.8	22932.8	22866.1	23167.4	23399.8	23849.6	23978.7	24245.6	24480.1	24770.7
15°	21512.4	21480.1	21615.7	21850.3	22102.1	22459.3	22668.1	22958.6	23137.2	23438.5
17.5°	18445.6	18555.4	19115.0	19702.5	20219.0	20636.5	20886.1	21127.2	21256.3	21583.4
20°	15929.8	15792.1	15867.4	16198.9	17668.7	18307.9	18570.5	18628.6	18682.4	18940.6
22.5°	13117.0	13071.9	13323.7	13696.0	14044.6	15518.8	15876.0	15740.5	15852.4	16095.6
25°	9740.4	9968.5	10192.3	10906.8	11358.8	12081.9	12759.8	12820.1	12860.9	13013.7
27.5°	7928.3	7848.7	7844.4	8044.5	8711.7	9314.3	9891.1	10024.5	10000.8	10147.2
30°	6232.5	6206.7	6116.3	6163.6	6096.9	6632.8	6903.9	7452.7	7422.6	7426.9
32.5°	4495.7	4398.9	4362.3	4433.3	4364.5	4315.0	4551.7	5171.5	5160.7	5203.8
35°	2720.3	2707.3	2737.5	2799.9	2662.1	2657.8	2707.3	3290.6	3361.6	3430.4
37.5°	1502.2	1489.3	1512.9	1743.2	1698.0	1657.1	1670.0	1977.8	2182.2	2233.9
40°	990.0	987.8	1005.0	1045.9	1123.4	1108.3	1114.8	1252.5	1446.2	1491.4
42.5°	662.8	665.0	675.8	723.1	733.9	811.3	798.4	830.7	1011.5	1050.2
45°	529.4	527.3	533.7	512.2	525.1	604.7	613.3	615.5	770.5	794.1
47.5°	417.5	417.5	424.0	396.0	389.5	439.0	484.2	490.7	615.5	647.8
50°	292.7	292.7	325.0	312.1	327.1	342.2	391.7	398.1	503.6	538.0
52.5°	215.2	219.5	223.8	226.0	275.5	273.3	316.4	346.5	380.9	441.2
55°	163.6	167.9	157.1	167.9	204.4	228.1	236.7	279.8	303.4	370.2
57.5°	107.6	118.4	109.8	129.1	137.7	176.5	189.4	230.3	245.3	303.4
60°	15.1	17.2	28.0	90.4	96.8	116.2	146.3	182.9	198.0	247.5
62.5°	2.2	2.2	6.5	15.1	64.6	77.5	109.8	127.0	146.3	185.1
65°	0.0	0.0	2.2	4.3	12.9	45.2	56.0	68.9	101.1	133.4
67.5°	0.0	0.0	2.2	4.3	6.5	15.1	23.7	45.2	58.1	92.5
70°	0.0	0.0	2.2	4.3	6.5	8.6	12.9	17.2	34.4	53.8
72.5°	0.0	0.0	2.2	4.3	6.5	8.6	10.8	12.9	15.1	34.4
75°	0.0	0.0	2.2	4.3	6.5	10.8	12.9	12.9	12.9	15.1
77.5°	0.0	0.0	2.2	4.3	8.6	12.9	15.1	12.9	10.8	10.8
80°	0.0	0.0	2.2	6.5	10.8	15.1	17.2	12.9	8.6	6.5
82.5°	0.0	0.0	2.2	6.5	10.8	15.1	17.2	15.1	8.6	6.5
85°	0.0	0.0	2.2	6.5	8.6	10.8	17.2	15.1	8.6	4.3
87.5°	0.0	0.0	0.0	2.2	2.2	4.3	8.6	6.5	4.3	2.2
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°
25999.5	0°	25999.5	25999.5	25999.5	25999.5	25999.5	25999.5	25999.5	25999.5	25999.5
26066.2	2.5°	26259.9	26356.8	26526.8	26574.1	26720.5	26552.6	26460.1	26468.7	26268.5
26001.7	5°	26259.9	26481.6	26778.6	26920.6	27028.2	27019.6	26995.9	26935.7	26789.3
25872.5	7.5°	26191.1	26552.6	26961.5	27150.9	27280.0	27269.3	27323.1	27226.2	27047.6
25642.3	10°	25969.4	26283.6	26787.2	26942.1	27150.9	27155.2	27088.5	27107.9	26789.3
24800.8	12.5°	25272.1	25517.5	25958.6	26135.1	26389.1	26429.9	26356.8	26328.8	26027.5
23421.3	15°	23922.7	24064.8	24508.1	24684.6	24936.4	24901.9	24975.1	24945.0	24680.3
21557.6	17.5°	21949.3	21994.5	22459.3	22607.8	22844.5	22937.1	22827.3	22967.2	22739.1
18985.8	20°	19119.3	19362.4	19885.4	20113.5	20251.3	20417.0	20272.8	20429.9	20163.0
15865.3	22.5°	16248.4	16392.5	16866.0	17195.3	17451.4	17483.7	17429.9	17539.6	17180.2
13114.9	25°	13112.7	13351.6	13726.1	14156.5	14408.3	14563.3	14423.4	14494.4	14436.3
10170.8	27.5°	10343.0	10556.1	10838.0	11158.6	11537.4	11739.7	11627.8	11748.3	11464.2
7584.0	30°	7590.5	7698.1	8016.6	8356.6	8772.0	9017.3	9028.1	9150.7	8982.9
5313.5	32.5°	5352.3	5447.0	5642.8	5868.8	6264.8	6538.1	6495.0	6512.3	6409.0
3462.7	35°	3479.9	3606.9	3746.8	3854.4	4093.3	4394.6	4370.9	4349.4	4278.4
2276.9	37.5°	2326.4	2375.9	2453.4	2550.2	2705.2	2894.6	2957.0	2879.5	2849.4
1536.6	40°	1573.2	1659.3	1710.9	1784.1	1857.3	2016.5	2059.6	2044.5	2014.4
1076.1	42.5°	1116.9	1183.7	1248.2	1319.2	1358.0	1457.0	1540.9	1517.2	1504.3
817.8	45°	847.9	908.2	983.5	1037.3	1076.1	1134.2	1213.8	1222.4	1203.0
656.4	47.5°	680.1	733.9	794.1	860.8	906.0	942.6	1011.5	1037.3	1024.4
553.1	50°	576.8	617.7	675.8	742.5	792.0	824.3	884.5	912.5	903.9
462.7	52.5°	490.7	540.2	594.0	649.9	710.2	742.5	798.4	839.3	832.9
383.1	55°	406.7	471.3	527.3	583.2	652.1	684.4	733.9	787.7	776.9
325.0	57.5°	355.1	408.9	467.0	520.8	594.0	637.0	682.2	738.2	736.0
266.9	60°	297.0	350.8	415.4	460.5	538.0	598.3	639.2	697.3	701.6
202.3	62.5°	236.7	303.4	352.9	415.4	486.4	557.4	596.1	654.2	675.8
155.0	65°	176.5	249.6	305.6	368.0	434.7	514.4	548.8	606.9	628.4
111.9	67.5°	131.3	187.2	258.3	312.1	387.4	456.2	497.1	550.9	566.0
66.7	70°	99.0	144.2	215.2	262.6	340.0	396.0	436.9	477.8	497.1
45.2	72.5°	58.1	107.6	170.0	226.0	292.7	340.0	370.2	402.4	415.4
21.5	75°	40.9	81.8	133.4	187.2	236.7	275.5	303.4	331.4	344.3
10.8	77.5°	21.5	60.3	105.5	150.6	185.1	217.4	245.3	266.9	275.5
8.6	80°	12.9	43.0	86.1	118.4	142.0	170.0	198.0	213.1	210.9
6.5	82.5°	8.6	34.4	62.4	86.1	103.3	124.8	144.2	155.0	155.0
4.3	85°	6.5	23.7	43.0	66.7	68.9	86.1	90.4	101.1	103.3
4.3	87.5°	4.3	15.1	23.7	38.7	36.6	45.2	47.3	53.8	58.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
25999.5
26107.1
26836.7
27088.5
26696.8
25958.6
24764.2
22683.1
20141.5
17130.7
14399.7
11537.4
9013.0
6467.1
4216.0
2842.9
2018.7
1493.6
1200.9
1017.9
901.7
828.6
776.9
733.9
701.6
673.6
626.3
566.0
492.8
411.1
340.0
273.3
208.8
152.8
101.1
56.0
0.0

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