

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: P636498

Luminaire Tested: **IFLD-L-SA7C-935-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636498
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-935-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (112) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24357.6 lumens
Efficiency: N/A
Efficacy: 66.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 369
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



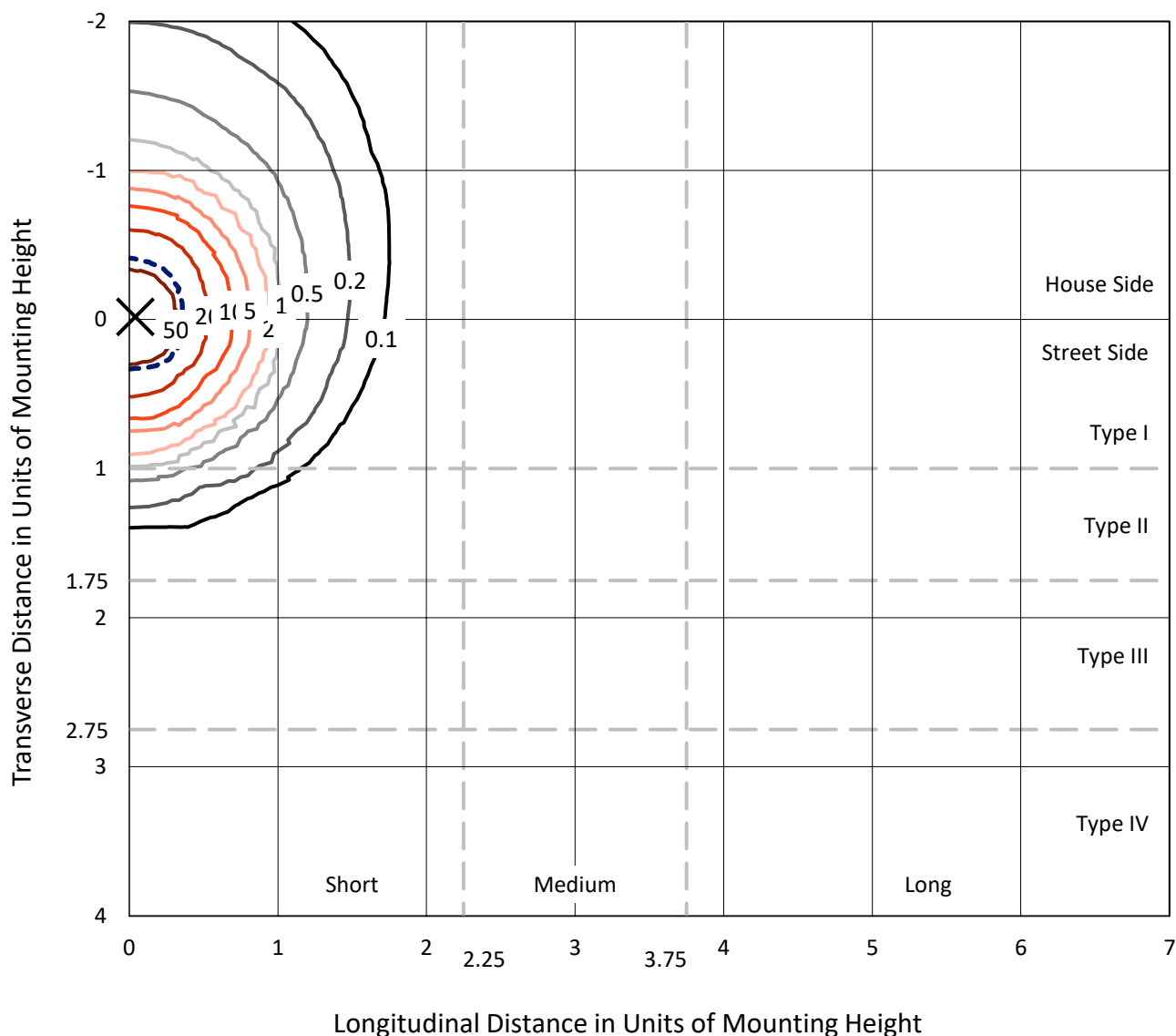
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

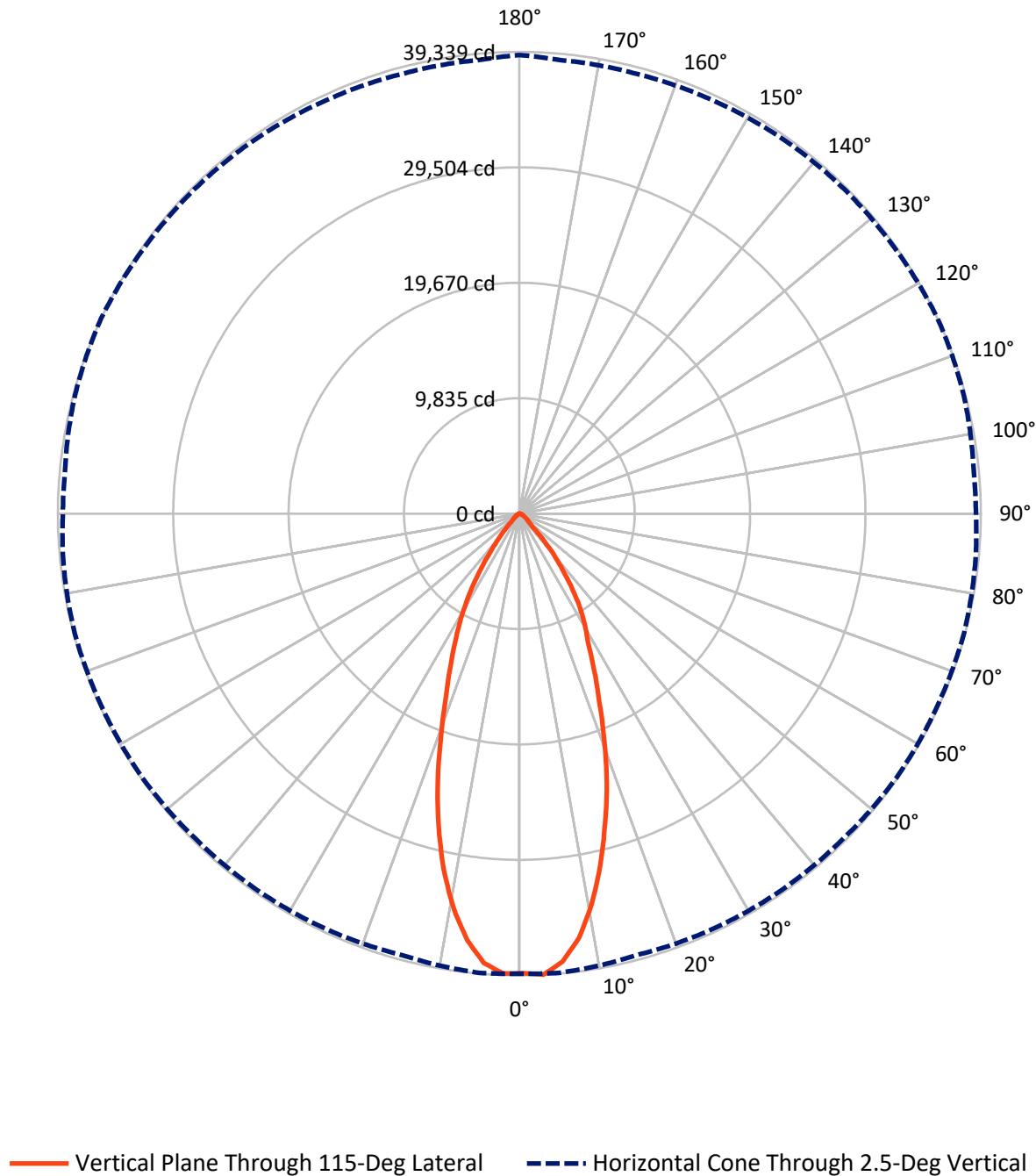


Based on 20 foot mounting height. Maximum calculated value = 97.9 fc

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	13442.5	0.0	13442.5
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	10915.0	0.0	10915.0
	% Fixture	44.8	0.0	44.8
Total	Lumens	24357.6	0.0	24357.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3511.9	14.4
10°-20°	7422.3	30.5
20°-30°	6699.1	27.5
30°-40°	4433.2	18.2
40°-50°	1328.0	5.5
50°-60°	532.7	2.2
60°-70°	275.9	1.1
70°-80°	119.8	0.5
80°-90°	34.8	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°	24357.6	100.0
0°-180°	24357.6	100.0

Coefficient of Utilization



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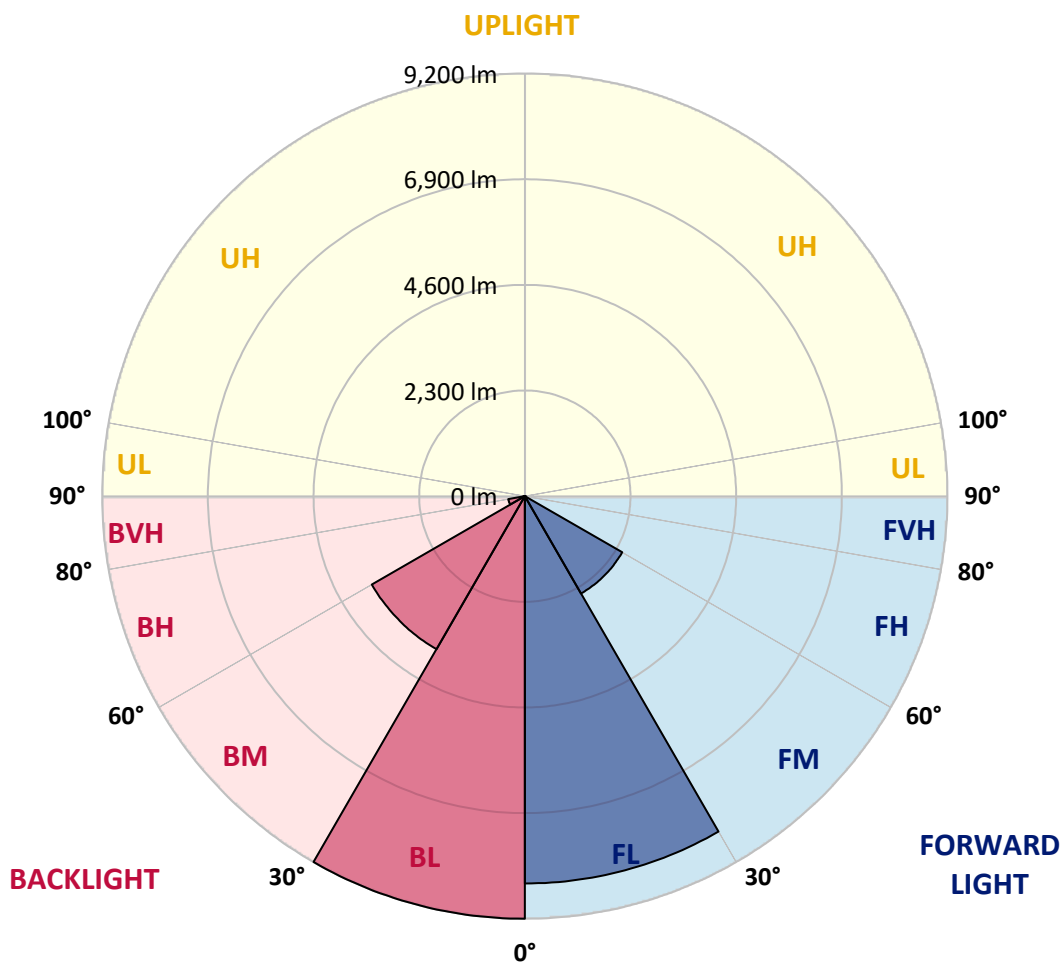
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	8432.8	34.6			
FM	(30°-60°)	2446.9	10.0			
FH	(60°-80°)	30.3	0.1			G0/660
FVH	(80°-90°)	5.0	0.0			G0/10
BL	(0°-30°)	9200.5	37.8	B5		
BM	(30°-60°)	3846.9	15.8	B3/5000		
BH	(60°-80°)	365.3	1.5	B1/500		G1/500
BVH	(80°-90°)	29.8	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°	39154.8	39154.8	39154.8	39154.8	39154.8	39154.8	39154.8	39154.8	39154.8	39154.8
2.5°	39204.6	39274.3	38925.6	39045.2	39095.0	39110.0	39234.5	39214.6	39249.4	39065.1
5°	38686.5	38552.0	38293.0	38298.0	38283.0	38143.5	38427.5	38407.6	38347.8	38128.6
7.5°	36923.1	37117.3	36629.2	36619.2	36609.2	36439.9	36813.5	36584.3	36634.1	36320.3
10°	34342.6	34367.5	33934.2	33894.3	33929.2	33710.0	34143.4	34053.7	34148.4	33819.6
12.5°	31179.4	31318.9	30840.6	30770.9	30910.4	30601.5	30950.2	30995.1	30855.6	30810.7
15°	24454.3	24822.9	25729.6	27114.4	27473.1	27214.1	27493.0	27488.1	27547.8	27209.1
17.5°	18630.9	18665.8	18451.6	19114.1	22949.9	24195.3	24255.0	23781.8	23423.1	23298.6
20°	16264.7	16384.2	16190.0	16244.8	16857.5	20508.9	20648.4	19936.1	19323.3	19273.5
22.5°	14381.7	14456.4	14316.9	14361.7	14391.6	14820.0	17246.0	16618.4	16324.5	16100.3
25°	12787.6	12787.6	12712.9	12727.8	12697.9	12065.3	13310.6	14028.0	13858.6	13778.9
27.5°	11333.0	11352.9	11258.2	11313.0	10949.4	9928.2	9778.7	11895.9	11716.5	11572.1
30°	9953.1	10017.8	9928.2	9958.1	9166.0	8329.1	7900.7	9923.2	10147.4	10107.5
32.5°	7492.2	7786.1	8508.4	8538.3	7462.3	6819.7	6630.4	7965.5	8817.3	8742.6
35°	4642.8	4627.8	4657.7	6092.4	5723.8	5285.4	5355.1	6017.7	6979.1	6944.2
37.5°	3541.9	3536.9	3591.7	3447.2	3751.1	4010.1	4064.9	4064.9	5096.1	5101.1
40°	2685.0	2665.1	2660.1	2431.0	2037.4	3008.8	2919.2	2844.5	3541.9	3616.6
42.5°	1713.6	1773.4	1728.6	1479.5	1330.1	1643.9	1833.2	1773.4	2186.9	2241.7
45°	956.5	956.5	916.6	777.1	772.1	831.9	1046.1	976.4	1120.8	1195.6
47.5°	463.3	453.3	498.2	612.7	637.6	617.7	747.2	777.1	846.9	916.6
50°	373.6	373.6	353.7	318.8	528.0	508.1	552.9	592.8	632.7	692.4
52.5°	313.8	313.8	288.9	269.0	303.9	388.6	393.5	468.3	463.3	548.0
55°	159.4	164.4	234.1	234.1	204.2	318.8	323.8	378.6	388.6	458.3
57.5°	14.9	19.9	29.9	144.5	159.4	174.4	244.1	279.0	323.8	353.7
60°	5.0	5.0	10.0	19.9	94.6	119.6	154.4	184.3	224.2	293.9
62.5°	0.0	0.0	5.0	10.0	19.9	74.7	84.7	94.6	134.5	184.3
65°	0.0	0.0	5.0	5.0	10.0	24.9	34.9	59.8	84.7	114.6
67.5°	0.0	0.0	5.0	5.0	10.0	14.9	19.9	29.9	39.9	74.7
70°	0.0	0.0	5.0	5.0	10.0	14.9	14.9	19.9	24.9	34.9
72.5°	0.0	0.0	5.0	5.0	10.0	19.9	14.9	14.9	19.9	24.9
75°	0.0	0.0	5.0	5.0	10.0	14.9	14.9	14.9	14.9	14.9
77.5°	0.0	0.0	5.0	5.0	10.0	14.9	14.9	14.9	10.0	10.0
80°	0.0	0.0	5.0	5.0	10.0	14.9	19.9	19.9	10.0	10.0
82.5°	0.0	0.0	5.0	10.0	10.0	24.9	29.9	24.9	10.0	5.0
85°	0.0	0.0	5.0	5.0	14.9	24.9	24.9	14.9	10.0	5.0
87.5°	0.0	0.0	0.0	5.0	5.0	10.0	14.9	14.9	5.0	5.0
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°
39154.8	0°	39154.8	39154.8	39154.8	39154.8	39154.8	39154.8	39154.8	39154.8	39154.8
38915.7	2.5°	38895.8	39199.6	39339.1	39194.6	39124.9	39025.3	38880.8	38781.2	38801.1
38009.0	5°	37924.4	38243.2	38352.8	38228.2	38123.6	38068.8	38043.9	38093.7	38223.2
36185.8	7.5°	36175.8	36380.1	36499.6	36439.9	36295.4	36459.8	36504.6	36474.7	36664.0
33719.9	10°	33729.9	33954.1	33844.5	33869.4	33700.0	33784.7	33759.8	33869.4	34058.7
30775.9	12.5°	30576.6	30790.8	30706.1	30691.2	30511.8	30671.3	30571.6	30691.2	30940.3
27069.6	15°	27263.9	27398.4	27343.6	27258.9	27099.5	27154.3	27463.2	27443.2	27552.8
23223.9	17.5°	23124.2	23771.8	24125.5	24200.3	24070.7	24180.3	24399.5	24344.7	24593.8
19168.9	20°	19134.0	19786.6	20658.4	21365.8	21380.7	21395.7	21535.1	21570.0	21784.2
16105.3	22.5°	16035.5	16498.8	17435.3	18371.9	19019.5	19154.0	19139.0	19188.8	19248.6
13669.3	25°	13634.4	13973.2	14830.0	15477.6	16613.4	16992.0	17101.6	16992.0	17026.9
11522.3	27.5°	11651.8	12169.9	12453.8	13146.2	14257.1	15133.9	15099.0	15034.2	15044.2
10027.8	30°	10022.8	10580.8	10999.2	11208.4	12045.3	13310.6	13440.2	13255.8	13260.8
8707.7	32.5°	8652.9	8827.3	9445.0	9614.3	10152.3	11303.1	11746.4	11607.0	11582.0
6964.2	35°	7168.4	7263.1	7547.0	7880.8	8199.6	9071.4	9803.6	9674.1	9738.9
5121.0	37.5°	5101.1	5489.6	5763.6	6037.6	6266.8	6814.7	7696.5	7576.9	7641.7
3626.6	40°	3596.7	3771.0	4244.3	4363.8	4702.6	4956.6	5703.8	5664.0	5743.7
2251.6	42.5°	2211.8	2336.3	2575.4	2690.0	2919.2	3063.6	3502.0	3551.8	3656.4
1245.4	45°	1255.3	1310.1	1474.5	1599.1	1768.4	1828.2	1982.6	2052.4	2112.2
966.4	47.5°	956.5	1016.2	1125.8	1235.4	1374.9	1424.7	1534.3	1638.9	1693.7
747.2	50°	782.1	836.9	951.5	1041.1	1180.6	1225.5	1315.1	1429.7	1499.4
567.9	52.5°	592.8	672.5	812.0	906.6	1051.1	1105.9	1190.6	1305.2	1369.9
468.3	55°	488.2	548.0	672.5	802.0	936.5	1011.2	1066.0	1205.5	1275.3
383.6	57.5°	418.4	463.3	543.0	697.4	812.0	921.6	966.4	1095.9	1165.7
303.9	60°	318.8	388.6	458.3	577.9	707.4	822.0	871.8	986.3	1041.1
219.2	62.5°	264.0	308.9	398.5	463.3	607.7	727.3	777.1	881.7	921.6
144.5	65°	184.3	249.1	333.8	373.6	508.1	622.7	692.4	772.1	812.0
84.7	67.5°	109.6	184.3	264.0	318.8	413.5	528.0	602.8	677.5	712.4
49.8	70°	69.7	144.5	209.2	269.0	323.8	433.4	523.1	587.8	572.9
29.9	72.5°	39.9	89.7	154.4	219.2	269.0	363.7	448.3	498.2	353.7
19.9	75°	24.9	64.8	129.5	179.3	219.2	288.9	368.6	378.6	219.2
10.0	77.5°	19.9	49.8	99.6	144.5	149.4	214.2	259.0	293.9	164.4
10.0	80°	10.0	39.9	84.7	119.6	94.6	149.4	199.3	229.2	129.5
5.0	82.5°	10.0	24.9	64.8	84.7	69.7	114.6	144.5	164.4	109.6
5.0	85°	5.0	19.9	34.9	49.8	49.8	74.7	64.8	79.7	69.7
5.0	87.5°	5.0	10.0	19.9	24.9	19.9	29.9	34.9	34.9	29.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
39154.8
39070.1
38492.3
36853.3
34133.4
30985.1
27577.7
24553.9
21739.4
19139.0
16972.1
15059.2
13265.8
11641.8
9798.7
7696.5
5773.6
3776.0
2107.2
1718.6
1529.3
1414.8
1295.2
1195.6
1051.1
926.6
812.0
707.4
528.0
313.8
204.2
164.4
134.5
119.6
69.7
24.9
0.0

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