

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: P637532

Luminaire Tested: **IFLD-S-SA6C-722-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637532
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-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: 28750.5 lumens
Efficiency: N/A
Efficacy: 89.4 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): 321.5
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



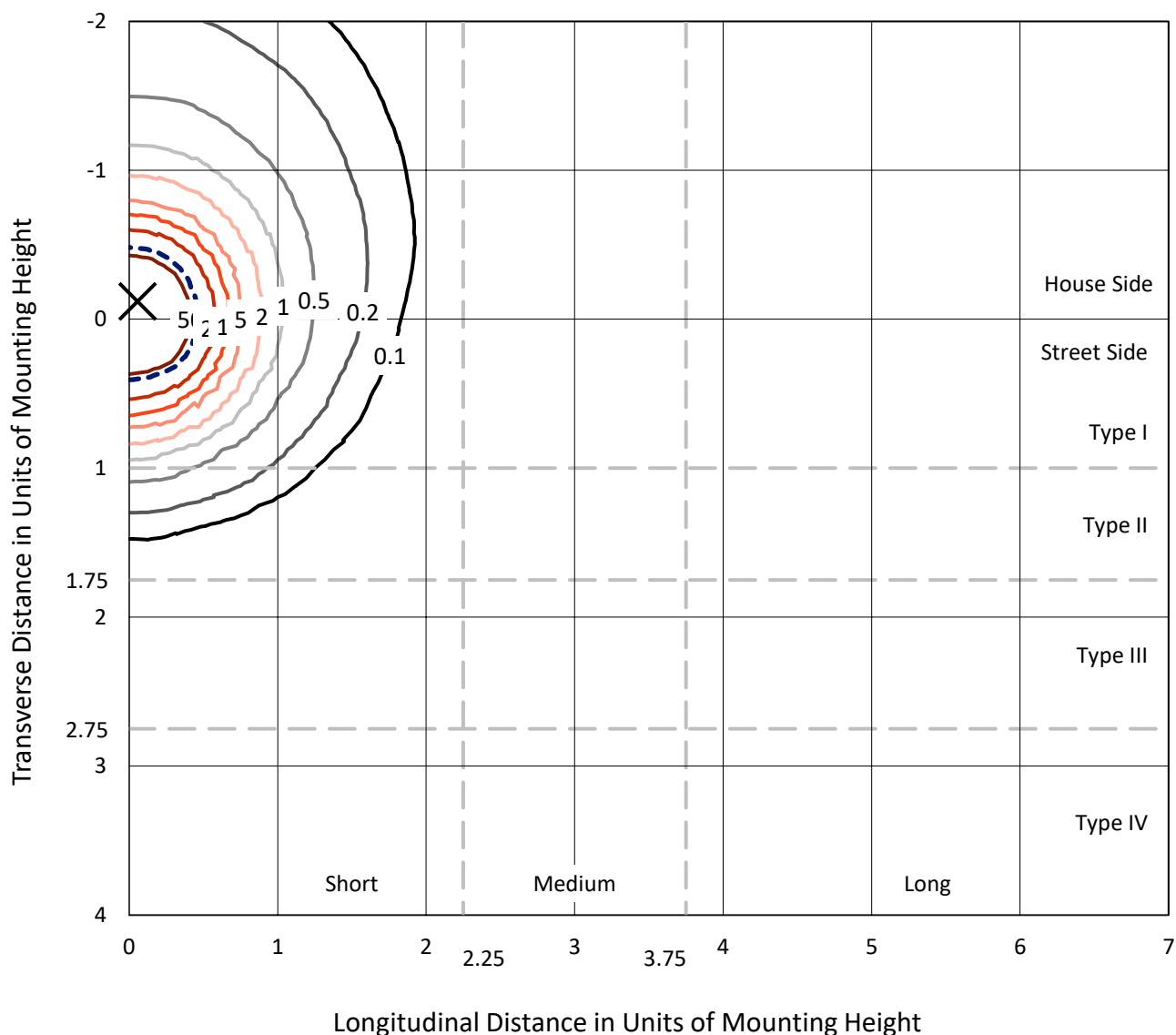
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



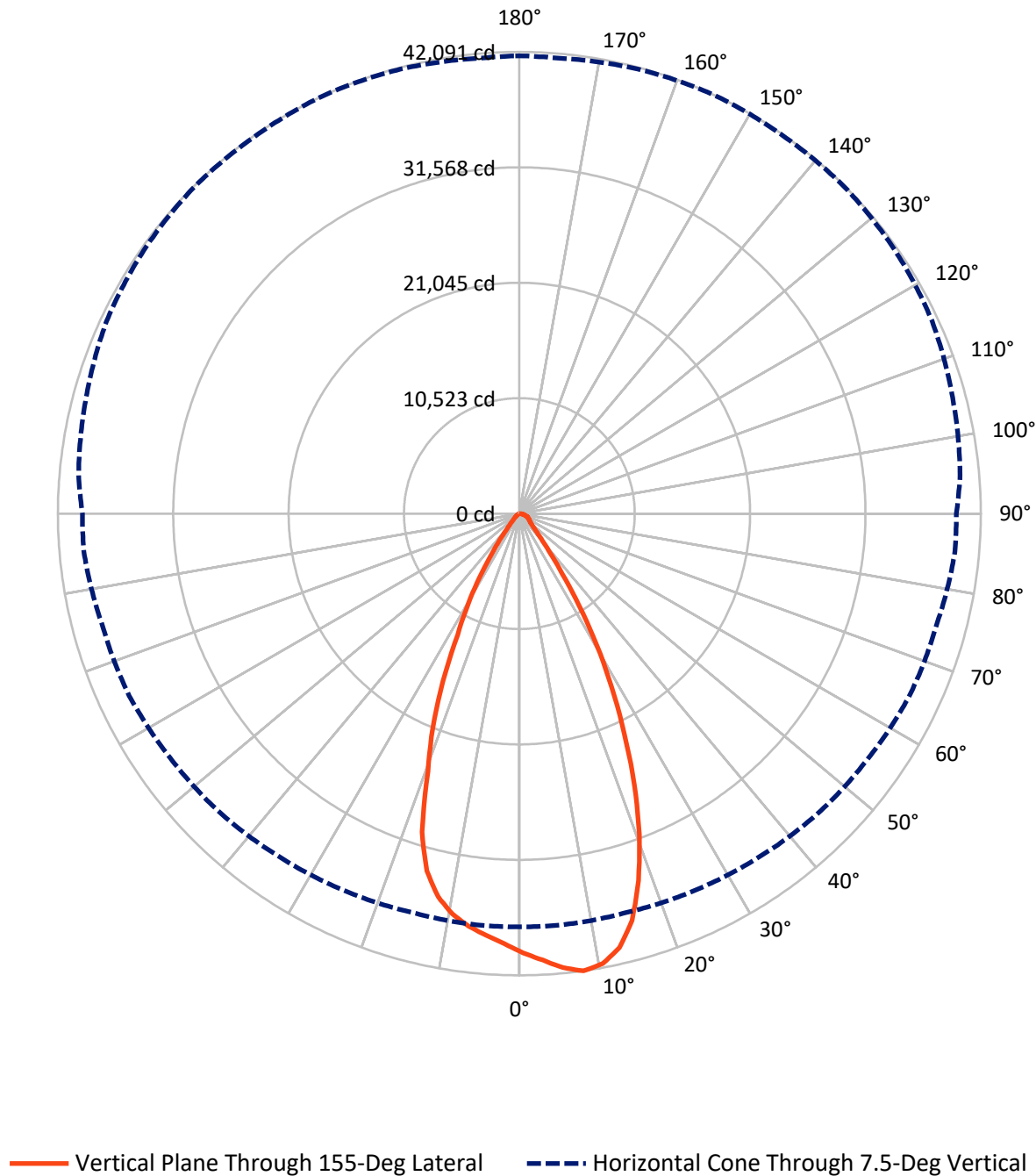
Based on 20 foot mounting height. Maximum calculated value = 101.8 fc

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	15871.3	0.0	15871.3
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	12879.2	0.0	12879.2
	% Fixture	44.8	0.0	44.8
Total	Lumens	28750.5	0.0	28750.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3819.2	13.3
10°-20°	9903.2	34.4
20°-30°	9074.1	31.6
30°-40°	3665.9	12.8
40°-50°	1075.4	3.7
50°-60°	601.3	2.1
60°-70°	365.2	1.3
70°-80°	185.6	0.6
80°-90°	60.7	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°	28750.5	100.0
0°-180°	28750.5	100.0

Coefficient of Utilization



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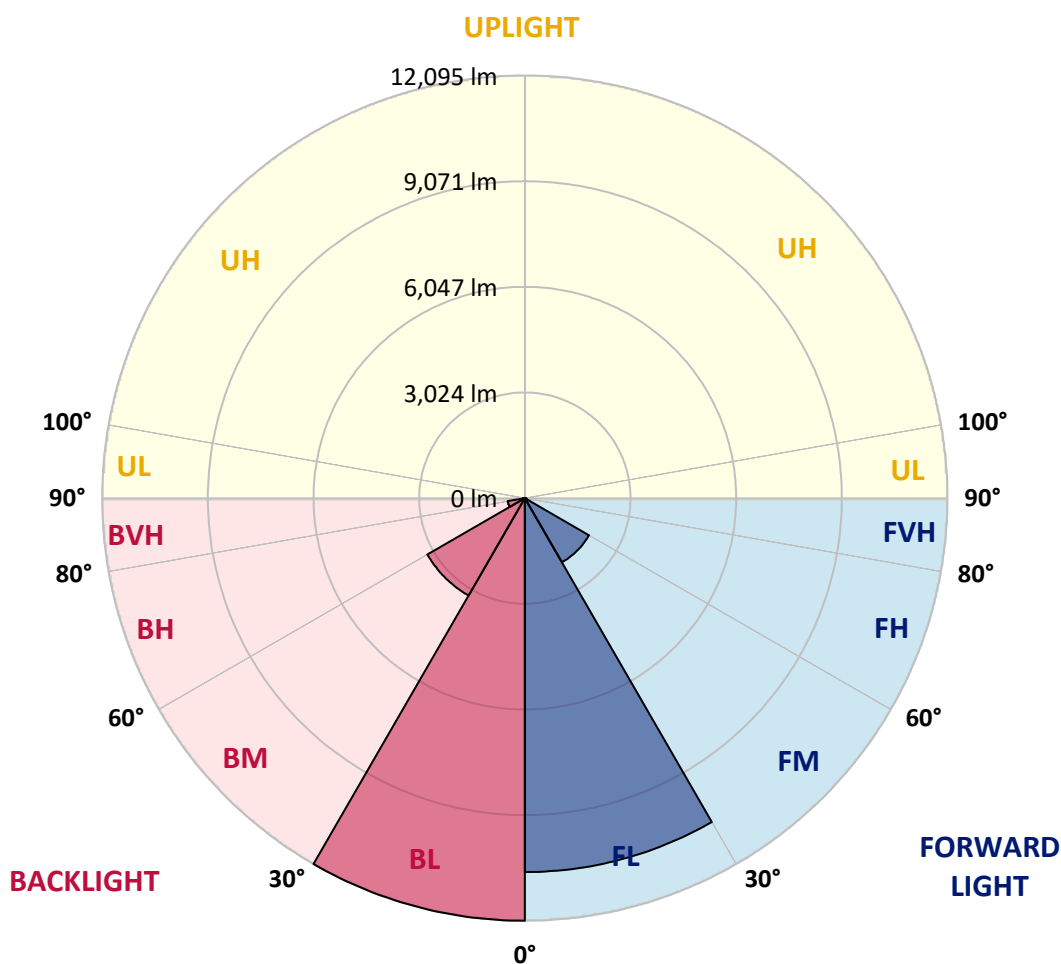
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	10701.7	37.2			
FM	(30°-60°)	2120.9	7.4			
FH	(60°-80°)	51.4	0.2			G0/660
FVH	(80°-90°)	5.3	0.0			G0/10
BL	(0°-30°)	12094.8	42.1	B5		
BM	(30°-60°)	3221.7	11.2	B3/5000		
BH	(60°-80°)	499.4	1.7	B1/500		G1/500
BVH	(80°-90°)	55.4	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°	40051.7	40051.7	40051.7	40051.7	40051.7	40051.7	40051.7	40051.7	40051.7	40051.7
2.5°	39183.1	39315.7	39050.5	39226.2	39362.1	39687.0	39713.5	39826.2	39866.0	40161.1
5°	38440.4	38543.2	38327.7	38563.1	38755.4	39043.8	39265.9	39577.6	39750.0	40098.1
7.5°	37668.0	37691.2	37648.1	37896.7	38185.2	38583.0	38858.2	39265.9	39372.0	39869.3
10°	36733.1	36564.0	36646.9	37011.6	37442.6	38052.6	38241.5	38649.3	38838.3	39345.5
12.5°	35241.2	35327.4	35224.6	35688.8	36046.8	36739.7	36938.6	37349.7	37711.1	38158.6
15°	33139.3	33089.6	33298.5	33659.8	34047.7	34598.1	34919.6	35367.2	35642.4	36106.5
17.5°	28415.1	28584.2	29446.1	30351.2	31146.9	31790.0	32174.6	32545.9	32744.8	33248.7
20°	24539.6	24327.4	24443.4	24954.0	27218.3	28202.9	28607.4	28696.9	28779.8	29177.6
22.5°	20206.5	20136.9	20524.8	21098.3	21635.4	23906.3	24456.7	24247.8	24420.2	24794.8
25°	15004.9	15356.3	15701.1	16801.7	17497.9	18611.9	19656.2	19749.0	19812.0	20047.4
27.5°	12213.4	12090.8	12084.1	12392.4	13420.2	14348.4	15236.9	15442.5	15406.0	15631.5
30°	9601.0	9561.2	9422.0	9494.9	9392.1	10217.6	10635.4	11480.7	11434.3	11441.0
32.5°	6925.6	6776.4	6720.0	6829.4	6723.3	6647.1	7011.8	7966.6	7950.0	8016.3
35°	4190.5	4170.6	4217.0	4313.2	4101.0	4094.3	4170.6	5069.0	5178.4	5284.5
37.5°	2314.1	2294.2	2330.6	2685.4	2615.7	2552.8	2572.6	3046.7	3361.7	3441.2
40°	1525.0	1521.7	1548.2	1611.2	1730.6	1707.4	1717.3	1929.5	2227.9	2297.5
42.5°	1021.1	1024.4	1041.0	1113.9	1130.5	1249.9	1230.0	1279.7	1558.2	1617.8
45°	815.6	812.2	822.2	789.0	808.9	931.6	944.8	948.2	1186.9	1223.3
47.5°	643.2	643.2	653.1	610.0	600.1	676.3	745.9	755.9	948.2	997.9
50°	450.9	450.9	500.6	480.7	503.9	527.1	603.4	613.3	775.8	828.8
52.5°	331.5	338.2	344.8	348.1	424.4	421.0	487.3	533.8	586.8	679.6
55°	252.0	258.6	242.0	258.6	314.9	351.4	364.7	431.0	467.5	570.2
57.5°	165.8	182.3	169.1	198.9	212.2	271.9	291.7	354.7	377.9	467.5
60°	23.2	26.5	43.1	139.2	149.2	179.0	225.4	281.8	305.0	381.3
62.5°	3.3	3.3	9.9	23.2	99.5	119.3	169.1	195.6	225.4	285.1
65°	0.0	0.0	3.3	6.6	19.9	69.6	86.2	106.1	155.8	205.5
67.5°	0.0	0.0	3.3	6.6	9.9	23.2	36.5	69.6	89.5	142.6
70°	0.0	0.0	3.3	6.6	9.9	13.3	19.9	26.5	53.0	82.9
72.5°	0.0	0.0	3.3	6.6	9.9	13.3	16.6	19.9	23.2	53.0
75°	0.0	0.0	3.3	6.6	9.9	16.6	19.9	19.9	19.9	23.2
77.5°	0.0	0.0	3.3	6.6	13.3	19.9	23.2	19.9	16.6	16.6
80°	0.0	0.0	3.3	9.9	16.6	23.2	26.5	19.9	13.3	9.9
82.5°	0.0	0.0	3.3	9.9	16.6	23.2	26.5	23.2	13.3	9.9
85°	0.0	0.0	3.3	9.9	13.3	16.6	26.5	23.2	13.3	6.6
87.5°	0.0	0.0	0.0	3.3	3.3	6.6	13.3	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°
40051.7	0°	40051.7	40051.7	40051.7	40051.7	40051.7	40051.7	40051.7	40051.7	40051.7
40154.4	2.5°	40452.8	40602.0	40863.9	40936.8	41162.3	40903.7	40761.1	40774.4	40466.1
40055.0	5°	40452.8	40794.3	41251.8	41470.6	41636.4	41623.1	41586.6	41493.8	41268.4
39856.1	7.5°	40346.7	40903.7	41533.6	41825.3	42024.2	42007.7	42090.5	41941.4	41666.2
39501.3	10°	40005.2	40489.3	41265.0	41503.7	41825.3	41832.0	41729.2	41759.0	41268.4
38205.1	12.5°	38931.1	39309.0	39988.7	40260.5	40651.7	40714.7	40602.0	40558.9	40094.8
36080.0	15°	36852.4	37071.2	37754.2	38026.0	38413.9	38360.9	38473.6	38427.2	38019.4
33209.0	17.5°	33812.3	33882.0	34598.1	34826.8	35191.5	35334.0	35165.0	35380.5	35029.0
29247.2	20°	29452.8	29827.4	30633.0	30984.4	31196.6	31451.9	31229.8	31471.8	31060.7
24440.1	22.5°	25030.2	25252.3	25981.7	26488.9	26883.4	26933.2	26850.3	27019.4	26465.7
20203.2	25°	20199.9	20567.9	21144.7	21807.8	22195.7	22434.4	22218.9	22328.3	22238.8
15667.9	27.5°	15933.1	16261.4	16695.7	17189.6	17773.1	18084.7	17912.4	18098.0	17660.4
11683.0	30°	11692.9	11858.7	12349.3	12873.2	13513.0	13890.9	13907.5	14096.5	13837.9
8185.4	32.5°	8245.1	8390.9	8692.6	9040.7	9650.7	10071.8	10005.5	10032.0	9872.8
5334.3	35°	5360.8	5556.4	5771.9	5937.6	6305.6	6769.8	6733.3	6700.1	6590.7
3507.5	37.5°	3583.8	3660.0	3779.4	3928.6	4167.3	4459.0	4555.2	4435.8	4389.4
2367.1	40°	2423.5	2556.1	2635.6	2748.4	2861.1	3106.4	3172.7	3149.5	3103.1
1657.6	42.5°	1720.6	1823.4	1922.9	2032.3	2091.9	2244.4	2373.7	2337.3	2317.4
1259.8	45°	1306.2	1399.0	1515.1	1598.0	1657.6	1747.1	1869.8	1883.1	1853.2
1011.2	47.5°	1047.6	1130.5	1223.3	1326.1	1395.7	1452.1	1558.2	1598.0	1578.1
852.0	50°	888.5	951.5	1041.0	1143.8	1220.0	1269.7	1362.6	1405.7	1392.4
712.8	52.5°	755.9	832.1	915.0	1001.2	1094.0	1143.8	1230.0	1293.0	1283.0
590.1	55°	626.6	726.0	812.2	898.4	1004.5	1054.3	1130.5	1213.4	1196.8
500.6	57.5°	547.0	629.9	719.4	802.3	915.0	981.3	1050.9	1137.1	1133.8
411.1	60°	457.5	540.4	639.8	709.5	828.8	921.6	984.6	1074.1	1080.8
311.6	62.5°	364.7	467.5	543.7	639.8	749.2	858.7	918.3	1007.8	1041.0
238.7	65°	271.9	384.6	470.8	566.9	669.7	792.3	845.4	934.9	968.1
172.4	67.5°	202.2	288.4	397.8	480.7	596.7	702.8	765.8	848.7	871.9
102.8	70°	152.5	222.1	331.5	404.5	523.8	610.0	673.0	736.0	765.8
69.6	72.5°	89.5	165.8	261.9	348.1	450.9	523.8	570.2	620.0	639.8
33.2	75°	63.0	126.0	205.5	288.4	364.7	424.4	467.5	510.6	530.4
16.6	77.5°	33.2	92.8	162.4	232.1	285.1	334.8	377.9	411.1	424.4
13.3	80°	19.9	66.3	132.6	182.3	218.8	261.9	305.0	328.2	324.9
9.9	82.5°	13.3	53.0	96.1	132.6	159.1	192.3	222.1	238.7	238.7
6.6	85°	9.9	36.5	66.3	102.8	106.1	132.6	139.2	155.8	159.1
6.6	87.5°	6.6	23.2	36.5	59.7	56.4	69.6	72.9	82.9	89.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
40051.7
40217.4
41341.3
41729.2
41125.8
39988.7
38148.7
34942.8
31027.5
26389.5
22182.4
17773.1
13884.3
9962.4
6494.6
4379.5
3109.7
2300.8
1849.9
1568.1
1389.1
1276.4
1196.8
1130.5
1080.8
1037.7
964.7
871.9
759.2
633.2
523.8
421.0
321.6
235.4
155.8
86.2
0.0

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