

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: P637269

Luminaire Tested: **IFLD-S-SA6A-722-U-44-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P637269  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6A-722-U-44-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor  
Light Source: (96) 2200K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19174.7 lumens  
Efficiency: N/A  
Efficacy: 101.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

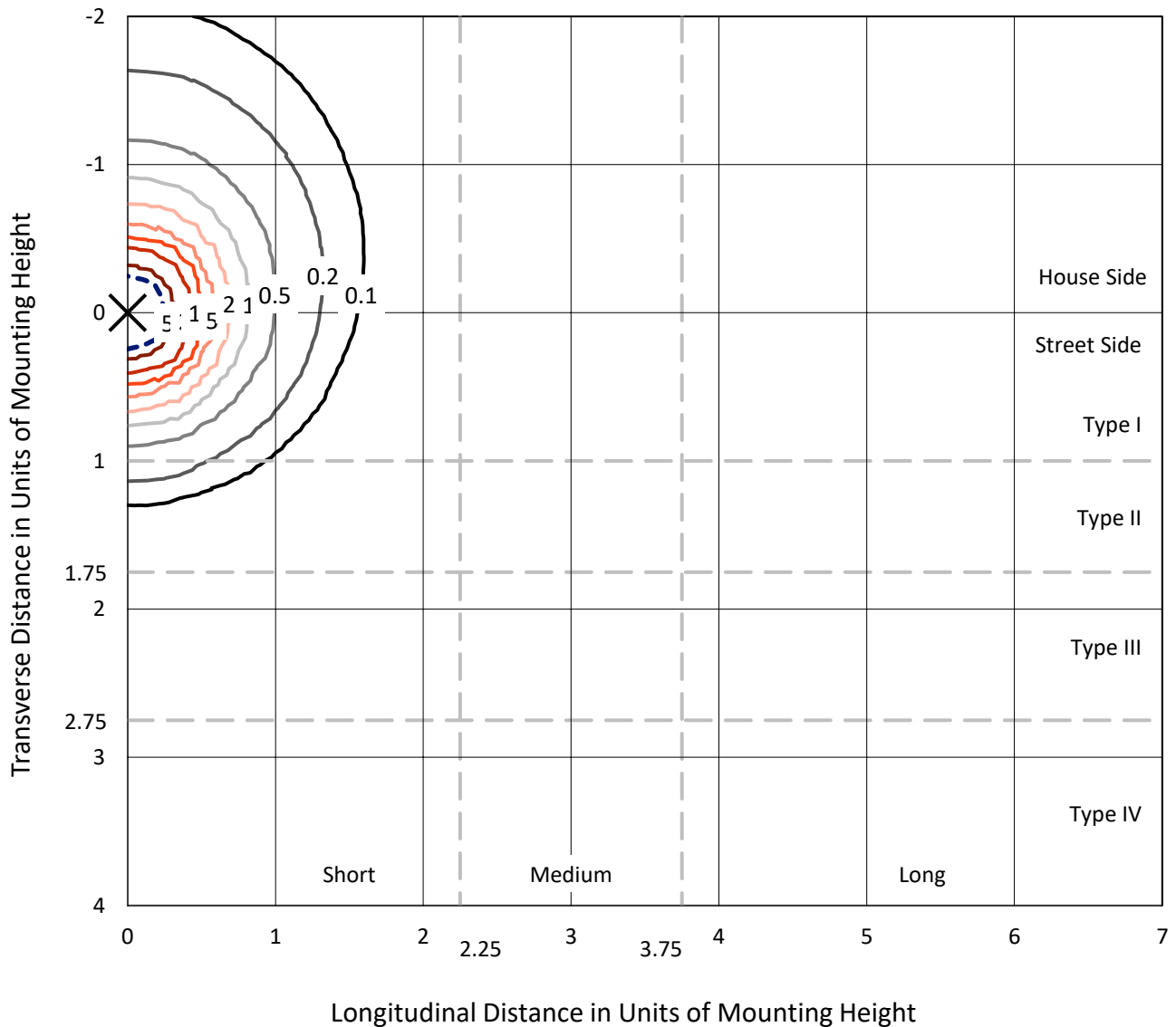
Input Watts (W): 189.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P637269  
 CATALOG NUMBER: IFLD-S-SA6A-722-U-44-VI

### Iso-Footcandle Lines of Horizontal Illumination

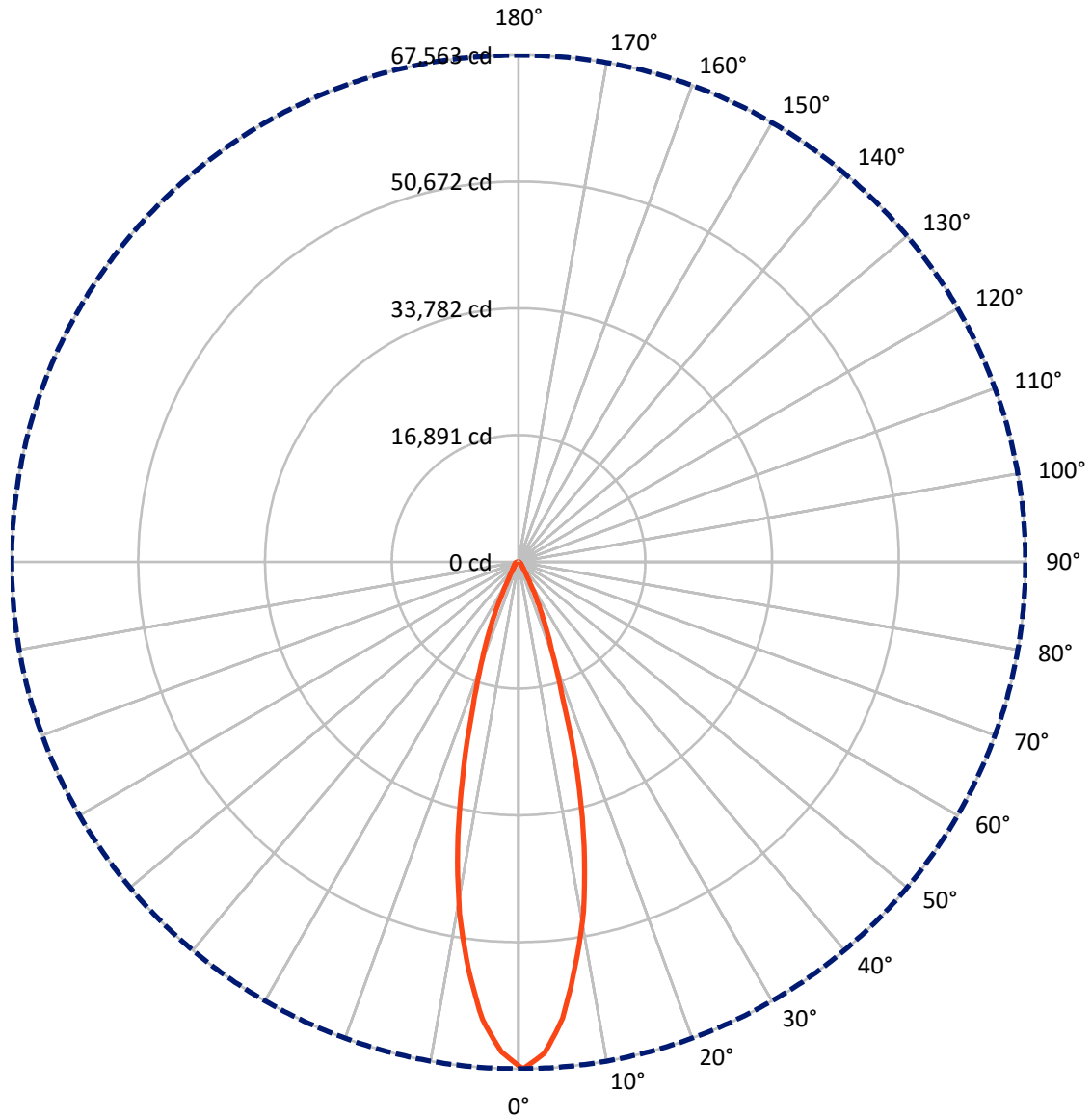
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 168.9 fc  
 Type V - Short - N/A

REPORT NUMBER: P637269  
CATALOG NUMBER: IFLD-S-SA6A-722-U-44-VI

### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 0-Deg Vertical

REPORT NUMBER: P637269  
 CATALOG NUMBER: IFLD-S-SA6A-722-U-44-VI

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10110.2	0.0	10110.2
	% Fixture	52.7	0.0	52.7
<b>Street Side</b>	Lumens	9064.5	0.0	9064.5
	% Fixture	47.3	0.0	47.3
<b>Total</b>	Lumens	19174.7	0.0	19174.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5453.0	28.4
10°-20°	8258.5	43.1
20°-30°	3485.1	18.2
30°-40°	908.9	4.7
40°-50°	459.7	2.4
50°-60°	300.5	1.6
60°-70°	180.0	0.9
70°-80°	94.7	0.5
80°-90°	34.2	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°	19174.7	100.0
0°-180°	19174.7	100.0

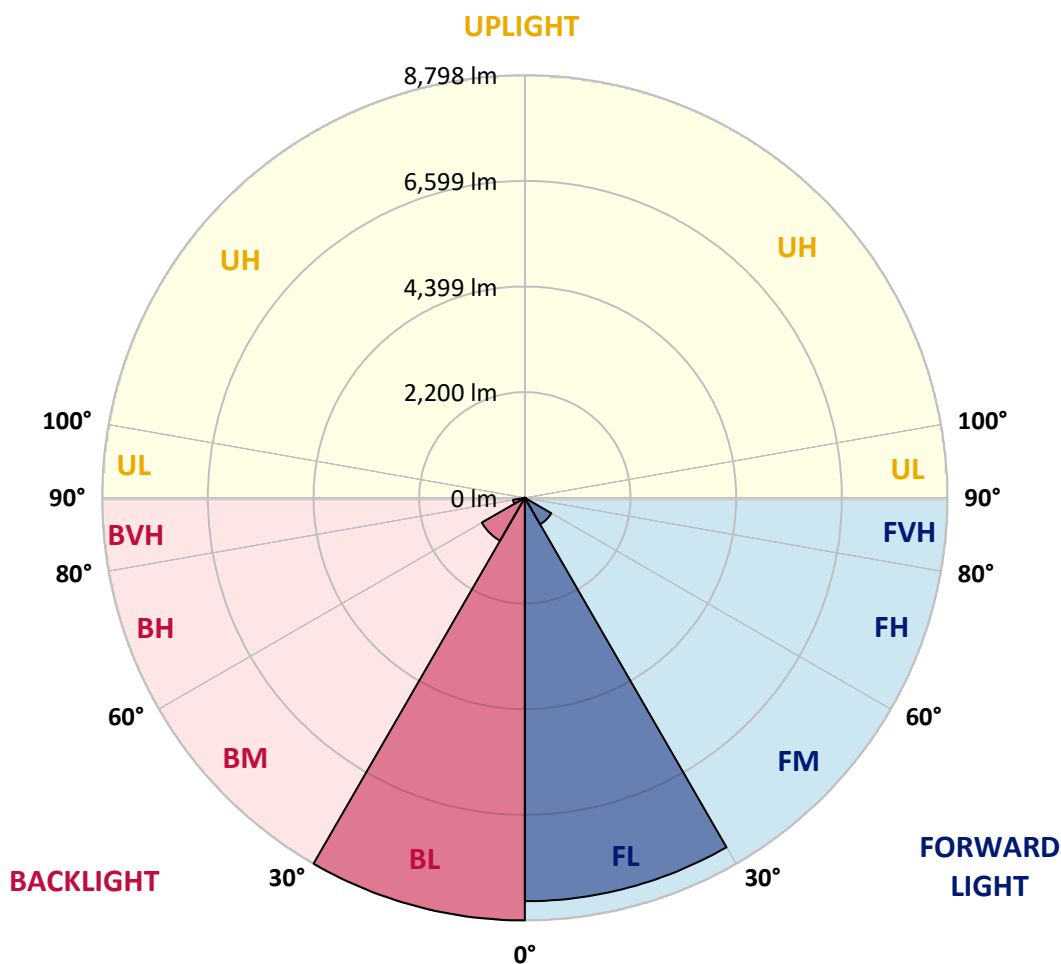


REPORT NUMBER: P637269  
 CATALOG NUMBER: IFLD-S-SA6A-722-U-44-VI

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8398.4	43.8			
FM (30°-60°)	636.0	3.3			
FH (60°-80°)	25.9	0.1			G0/660
FVH (80°-90°)	4.2	0.0			G0/10
BL (0°-30°)	8798.2	45.9	B5		
BM (30°-60°)	1033.1	5.4	B2/2500		
BH (60°-80°)	248.8	1.3	B1/500		G0/660
BVH (80°-90°)	30.0	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 V Short





REPORT NUMBER: P637269  
 CATALOG NUMBER: IFLD-S-SA6A-722-U-44-VI

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	67563.3	67563.3	67563.3	67563.3	67563.3	67563.3	67563.3	67563.3	67563.3	67563.3
2.5°	65595.1	65631.7	65496.1	65788.9	65560.7	66172.2	65868.6	66342.4	66183.0	66447.9
5°	61116.2	61055.9	61017.1	61471.5	61340.1	61996.9	61577.0	61439.2	61865.5	61788.0
7.5°	54352.5	54511.9	54421.4	54539.9	54606.6	55356.0	55592.9	55407.7	55414.1	55521.8
10°	47418.8	47184.1	46850.3	47072.1	47541.5	47868.8	47737.5	48008.8	47948.5	48204.7
12.5°	38887.2	39072.4	38885.1	38687.0	39507.4	39416.9	39645.2	39793.8	39421.3	40250.3
15°	29291.9	29388.8	29617.1	29602.0	30232.9	30360.0	30329.8	30487.0	30196.3	30334.1
17.5°	18818.1	19145.4	19759.1	20797.0	21964.1	22099.8	22065.3	21936.1	21796.1	21641.1
20°	12640.1	12605.7	12827.5	13131.1	15547.1	16186.7	16167.3	15762.5	15176.8	15064.8
22.5°	8854.5	8919.1	8889.0	9190.5	9690.0	11453.6	11236.1	10824.9	10633.2	10508.3
25°	5824.8	5801.1	5951.8	6042.3	6470.8	6686.1	7448.4	7295.5	7000.5	7032.8
27.5°	3550.9	3581.0	3637.0	3714.5	4018.1	3949.2	4384.2	4442.3	4347.6	4246.4
30°	2179.2	2200.7	2245.9	2301.9	2407.4	2332.1	2452.7	2661.5	2627.1	2556.0
32.5°	1479.3	1481.5	1513.8	1535.3	1522.4	1451.4	1490.1	1688.2	1692.5	1686.1
35°	1063.8	1063.8	1093.9	1111.1	1074.5	1016.4	1022.8	1145.6	1199.4	1210.2
37.5°	734.3	736.4	788.1	839.8	798.9	783.8	758.0	839.8	925.9	938.9
40°	557.7	555.6	581.4	620.2	624.5	596.5	605.1	656.8	745.1	755.8
42.5°	452.2	454.4	467.3	463.0	465.1	501.7	514.6	538.3	620.2	639.5
45°	381.1	383.3	389.8	368.2	359.6	415.6	432.8	445.7	514.6	538.3
47.5°	314.4	318.7	325.2	301.5	297.2	333.8	363.9	376.8	437.1	463.0
50°	226.1	230.4	254.1	241.2	254.1	262.7	303.6	323.0	363.9	398.4
52.5°	163.7	168.0	174.4	176.6	208.9	213.2	243.3	273.5	292.9	331.6
55°	129.2	133.5	129.2	124.9	152.9	176.6	187.3	219.6	234.7	279.9
57.5°	73.2	77.5	84.0	96.9	101.2	135.7	146.4	174.4	187.3	230.4
60°	12.9	15.1	23.7	58.1	71.1	86.1	109.8	133.5	150.7	180.9
62.5°	2.2	2.2	4.3	12.9	40.9	60.3	79.7	94.7	109.8	137.8
65°	0.0	0.0	2.2	4.3	10.8	34.5	43.1	56.0	75.4	99.1
67.5°	0.0	0.0	2.2	4.3	6.5	12.9	19.4	34.5	43.1	66.8
70°	0.0	0.0	2.2	4.3	6.5	8.6	10.8	15.1	25.8	40.9
72.5°	0.0	0.0	2.2	4.3	6.5	8.6	10.8	12.9	12.9	25.8
75°	0.0	0.0	2.2	4.3	6.5	10.8	12.9	12.9	10.8	10.8
77.5°	0.0	0.0	2.2	4.3	8.6	12.9	15.1	12.9	8.6	8.6
80°	0.0	0.0	4.3	6.5	10.8	15.1	19.4	15.1	8.6	4.3
82.5°	0.0	0.0	4.3	8.6	10.8	17.2	23.7	19.4	8.6	4.3
85°	0.0	0.0	2.2	6.5	12.9	17.2	23.7	17.2	8.6	2.2
87.5°	0.0	0.0	2.2	2.2	4.3	6.5	12.9	10.8	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



REPORT NUMBER: P637269  
 CATALOG NUMBER: IFLD-S-SA6A-722-U-44-VI

**CANDELA DISTRIBUTION (continued):**

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
67563.3	0°	67563.3	67563.3	67563.3	67563.3	67563.3	67563.3	67563.3	67563.3	67563.3
65946.1	2.5°	66325.1	66669.7	66740.7	66646.0	66783.8	66536.2	66346.7	65855.7	65560.7
61764.3	5°	62162.7	62111.0	62470.6	62589.1	62574.0	62384.5	62119.6	61822.5	61533.9
55312.9	7.5°	55657.5	55724.2	56051.5	56260.4	56154.9	55918.0	55735.0	55511.0	55317.2
48297.3	10°	48738.8	48280.1	48687.1	48687.1	48969.2	48299.5	48361.9	47797.8	47823.6
40235.2	12.5°	40373.0	40538.8	40605.6	40797.2	40467.8	40112.5	39677.5	39591.4	39322.2
30071.4	15°	30504.3	30978.0	30571.0	31266.5	30930.6	30560.2	30493.5	29826.0	30037.0
21811.2	17.5°	21703.5	22226.8	22390.5	22788.8	22483.1	22263.4	21985.6	21783.2	21768.1
15269.4	20°	15389.9	15915.4	16035.9	16514.0	16479.5	16410.6	16175.9	15919.7	15641.9
10394.2	22.5°	10551.4	10979.9	11380.4	12024.3	12013.5	11811.1	11787.4	11425.6	11432.1
7022.1	25°	7095.3	7407.5	7502.2	8161.2	8234.4	8212.9	8090.1	7754.2	7881.2
4289.5	27.5°	4293.8	4567.2	4888.1	5120.7	5340.3	5305.8	5183.1	4995.8	4913.9
2577.6	30°	2646.5	2769.2	2887.6	3167.6	3298.9	3367.8	3309.7	3135.3	3148.2
1696.8	32.5°	1733.4	1836.8	1922.9	2099.5	2168.4	2295.5	2271.8	2235.2	2192.1
1220.9	35°	1264.0	1339.4	1397.5	1479.3	1567.6	1675.3	1692.5	1677.5	1660.2
943.2	37.5°	964.7	1042.2	1109.0	1143.4	1212.3	1296.3	1343.7	1341.5	1328.6
768.7	40°	783.8	842.0	902.3	947.5	994.8	1057.3	1115.4	1121.9	1121.9
646.0	42.5°	654.6	704.1	764.4	811.8	846.3	904.4	964.7	969.0	964.7
546.9	45°	559.9	602.9	661.1	717.1	745.1	788.1	846.3	859.2	850.6
469.4	47.5°	486.7	525.4	574.9	635.2	665.4	704.1	758.0	773.1	770.9
404.8	50°	417.7	463.0	512.5	562.0	600.8	637.4	689.1	706.3	699.8
344.5	52.5°	368.2	409.1	452.2	506.0	551.3	583.6	624.5	654.6	646.0
290.7	55°	307.9	357.5	402.7	447.9	503.9	538.3	577.1	613.7	605.1
245.5	57.5°	267.0	307.9	359.6	400.5	456.5	497.4	536.2	574.9	572.8
200.3	60°	223.9	267.0	316.5	359.6	411.3	456.5	495.3	538.3	542.6
150.7	62.5°	176.6	228.3	271.3	320.8	372.5	422.1	456.5	499.6	506.0
114.1	65°	133.5	187.3	234.7	282.1	333.8	387.6	417.7	454.4	460.8
84.0	67.5°	99.1	144.3	200.3	243.3	297.2	348.8	376.8	407.0	417.7
51.7	70°	75.4	109.8	168.0	208.9	264.9	305.8	335.9	361.8	370.4
34.5	72.5°	47.4	86.1	135.7	178.7	228.3	264.9	286.4	301.5	314.4
19.4	75°	32.3	66.8	109.8	152.9	189.5	217.5	236.9	249.8	260.6
8.6	77.5°	19.4	51.7	90.4	127.0	150.7	172.3	191.6	200.3	206.7
6.5	80°	10.8	38.8	75.4	103.4	118.4	133.5	148.6	159.3	163.7
4.3	82.5°	6.5	30.1	60.3	79.7	86.1	101.2	116.3	122.7	122.7
2.2	85°	4.3	21.5	40.9	58.1	62.4	73.2	77.5	81.8	86.1
2.2	87.5°	4.3	12.9	25.8	32.3	34.5	38.8	40.9	45.2	49.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°
67563.3
65343.2
61210.9
54660.5
47571.7
39076.7
29826.0
21367.6
15521.3
11307.2
7681.0
4842.9
3092.2
2177.0
1653.8
1322.2
1109.0
960.4
850.6
766.6
695.5
643.8
609.4
574.9
544.8
510.3
467.3
422.1
374.7
312.2
258.4
204.6
159.3
120.6
84.0
47.4
0.0

(END OF REPORT)