

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: P637259

Luminaire Tested: **IFLD-S-SA2A-722-U-44-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P637259  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2A-722-U-44-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor  
Light Source: (32) 2200K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6558.9 lumens  
Efficiency: N/A  
Efficacy: 102.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

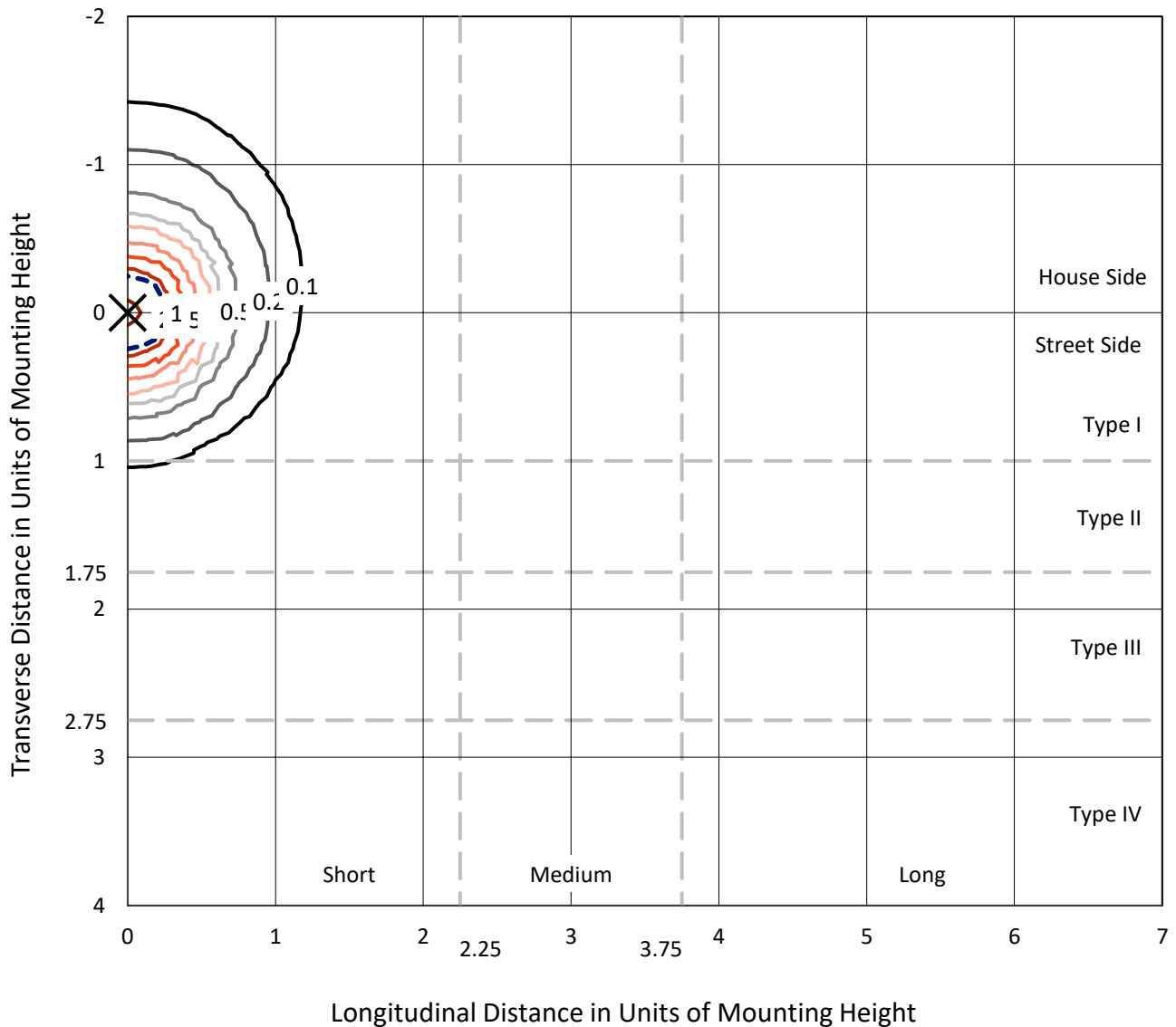
Input Watts (W): 63.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P637259  
 CATALOG NUMBER: IFLD-S-SA2A-722-U-44-VI

### Iso-Footcandle Lines of Horizontal Illumination

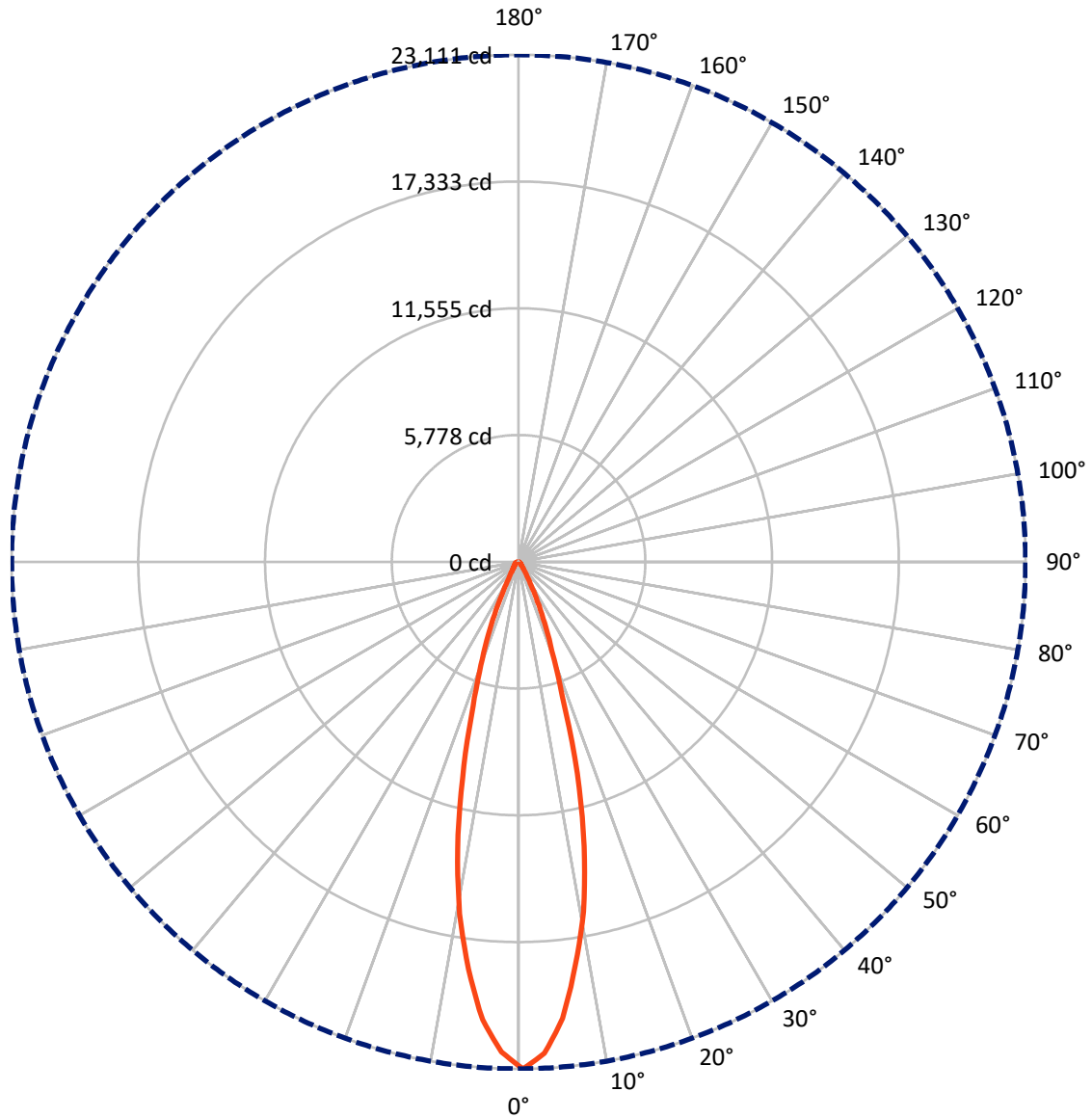
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 57.8 fc  
 Type V - Short - N/A

REPORT NUMBER: P637259  
CATALOG NUMBER: IFLD-S-SA2A-722-U-44-VI

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P637259  
 CATALOG NUMBER: IFLD-S-SA2A-722-U-44-VI

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3458.3	0.0	3458.3
	% Fixture	52.7	0.0	52.7
<b>Street Side</b>	Lumens	3100.6	0.0	3100.6
	% Fixture	47.3	0.0	47.3
<b>Total</b>	Lumens	6558.9	0.0	6558.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1865.2	28.4
10°-20°	2824.9	43.1
20°-30°	1192.1	18.2
30°-40°	310.9	4.7
40°-50°	157.3	2.4
50°-60°	102.8	1.6
60°-70°	61.6	0.9
70°-80°	32.4	0.5
80°-90°	11.7	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°	6558.9	100.0
0°-180°	6558.9	100.0

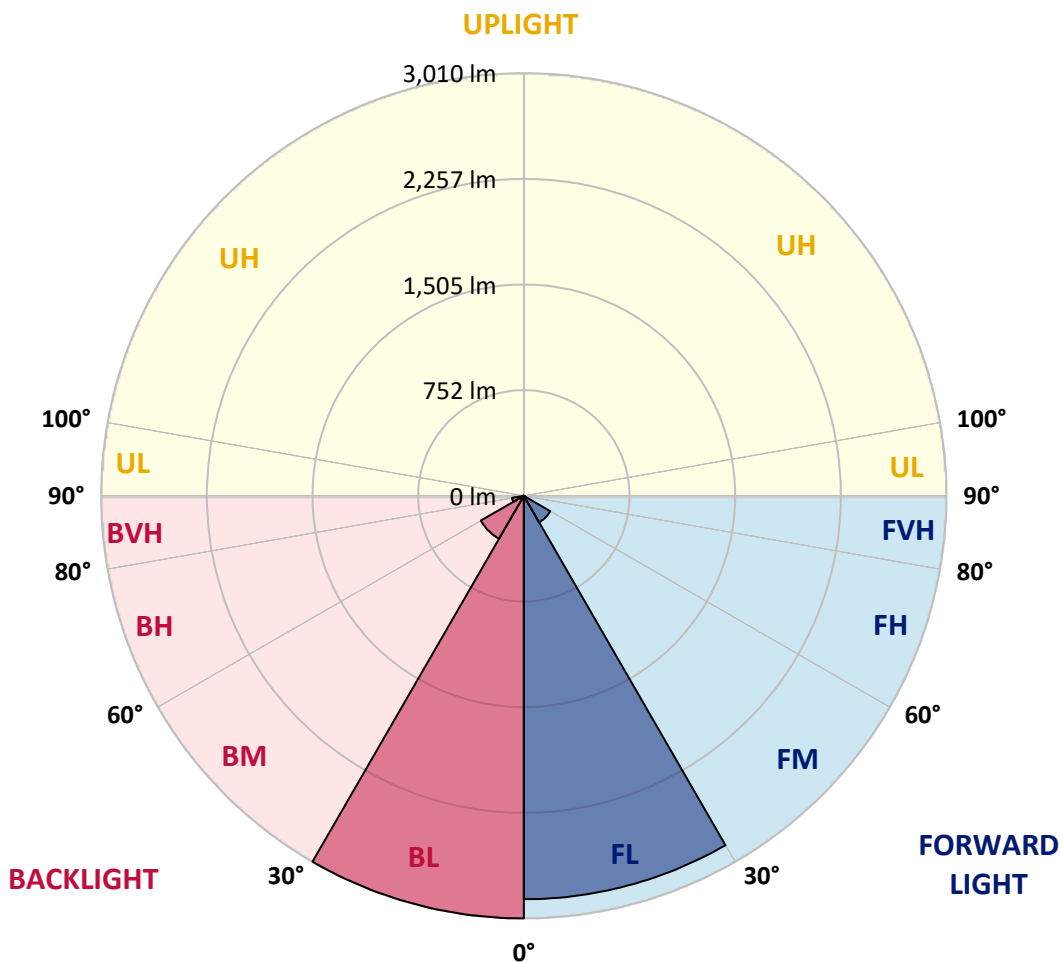


REPORT NUMBER: P637259  
 CATALOG NUMBER: IFLD-S-SA2A-722-U-44-VI

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2872.8	43.8			
FM (30°-60°)	217.6	3.3			
FH (60°-80°)	8.9	0.1			G0/660
FVH (80°-90°)	1.4	0.0			G0/10
BL (0°-30°)	3009.5	45.9	B4/5000		
BM (30°-60°)	353.4	5.4	B1/1000		
BH (60°-80°)	85.1	1.3	B0/110		G0/660
BVH (80°-90°)	10.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G1**  
 Type V Short





REPORT NUMBER: P637259  
 CATALOG NUMBER: IFLD-S-SA2A-722-U-44-VI

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	23110.8	23110.8	23110.8	23110.8	23110.8	23110.8	23110.8	23110.8	23110.8	23110.8
2.5°	22437.6	22450.1	22403.7	22503.9	22425.8	22635.0	22531.1	22693.2	22638.7	22729.3
5°	20905.5	20884.9	20871.6	21027.0	20982.1	21206.8	21063.1	21016.0	21161.8	21135.3
7.5°	18591.9	18646.4	18615.5	18656.0	18678.8	18935.2	19016.2	18952.8	18955.0	18991.9
10°	16220.1	16139.8	16025.7	16101.5	16262.1	16374.1	16329.1	16422.0	16401.3	16489.0
12.5°	13301.8	13365.2	13301.1	13233.3	13514.0	13483.0	13561.1	13611.9	13484.5	13768.1
15°	10019.6	10052.8	10130.9	10125.7	10341.5	10385.0	10374.7	10428.4	10329.0	10376.1
17.5°	6436.9	6548.9	6758.8	7113.8	7513.1	7559.5	7547.7	7503.5	7455.6	7402.6
20°	4323.7	4311.9	4387.8	4491.6	5318.1	5536.8	5530.2	5391.7	5191.4	5153.1
22.5°	3028.8	3050.9	3040.6	3143.7	3314.6	3917.8	3843.5	3702.8	3637.2	3594.5
25°	1992.4	1984.3	2035.9	2066.8	2213.4	2287.1	2547.8	2495.5	2394.6	2405.7
27.5°	1214.6	1224.9	1244.1	1270.6	1374.5	1350.9	1499.7	1519.6	1487.1	1452.5
30°	745.4	752.8	768.2	787.4	823.5	797.7	839.0	910.4	898.6	874.3
32.5°	506.0	506.8	517.8	525.2	520.8	496.5	509.7	577.5	578.9	576.7
35°	363.9	363.9	374.2	380.1	367.6	347.7	349.9	391.9	410.3	414.0
37.5°	251.2	251.9	269.6	287.3	273.3	268.1	259.3	287.3	316.7	321.1
40°	190.8	190.0	198.9	212.1	213.6	204.0	207.0	224.7	254.9	258.5
42.5°	154.7	155.4	159.8	158.4	159.1	171.6	176.0	184.1	212.1	218.8
45°	130.4	131.1	133.3	126.0	123.0	142.2	148.1	152.5	176.0	184.1
47.5°	107.5	109.0	111.2	103.1	101.6	114.2	124.5	128.9	149.5	158.4
50°	77.3	78.8	86.9	82.5	86.9	89.9	103.9	110.5	124.5	136.3
52.5°	56.0	57.5	59.7	60.4	71.4	72.9	83.2	93.5	100.2	113.4
55°	44.2	45.7	44.2	42.7	52.3	60.4	64.1	75.1	80.3	95.8
57.5°	25.0	26.5	28.7	33.1	34.6	46.4	50.1	59.7	64.1	78.8
60°	4.4	5.2	8.1	19.9	24.3	29.5	37.6	45.7	51.6	61.9
62.5°	0.7	0.7	1.5	4.4	14.0	20.6	27.3	32.4	37.6	47.1
65°	0.0	0.0	0.7	1.5	3.7	11.8	14.7	19.2	25.8	33.9
67.5°	0.0	0.0	0.7	1.5	2.2	4.4	6.6	11.8	14.7	22.8
70°	0.0	0.0	0.7	1.5	2.2	2.9	3.7	5.2	8.8	14.0
72.5°	0.0	0.0	0.7	1.5	2.2	2.9	3.7	4.4	4.4	8.8
75°	0.0	0.0	0.7	1.5	2.2	3.7	4.4	4.4	3.7	3.7
77.5°	0.0	0.0	0.7	1.5	2.9	4.4	5.2	4.4	2.9	2.9
80°	0.0	0.0	1.5	2.2	3.7	5.2	6.6	5.2	2.9	1.5
82.5°	0.0	0.0	1.5	2.9	3.7	5.9	8.1	6.6	2.9	1.5
85°	0.0	0.0	0.7	2.2	4.4	5.9	8.1	5.9	2.9	0.7
87.5°	0.0	0.0	0.7	0.7	1.5	2.2	4.4	3.7	1.5	0.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P637259  
 CATALOG NUMBER: IFLD-S-SA2A-722-U-44-VI

**CANDELA DISTRIBUTION (continued):**

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
<b>23110.8</b>	0°	<b>23110.8</b>	<b>23110.8</b>	<b>23110.8</b>	<b>23110.8</b>	<b>23110.8</b>	<b>23110.8</b>	<b>23110.8</b>	<b>23110.8</b>	<b>23110.8</b>
22557.6	2.5°	22687.3	22805.1	22829.4	22797.0	22844.2	22759.5	22694.6	22526.7	22425.8
21127.2	5°	21263.5	21245.8	21368.8	21409.3	21404.2	21339.3	21248.7	21147.1	21048.4
18920.4	7.5°	19038.3	19061.1	19173.1	19244.5	19208.4	19127.4	19064.8	18988.2	18921.9
16520.7	10°	16671.7	16514.8	16654.0	16654.0	16750.5	16521.4	16542.8	16349.8	16358.6
13762.9	12.5°	13810.1	13866.8	13889.6	13955.2	13842.5	13720.9	13572.1	13542.7	13450.6
10286.3	15°	10434.3	10596.4	10457.2	10695.1	10580.2	10453.5	10430.6	10202.3	10274.5
7460.8	17.5°	7423.9	7602.9	7658.9	7795.2	7690.6	7615.5	7520.4	7451.2	7446.0
5223.1	20°	5264.3	5444.0	5485.3	5648.8	5637.0	5613.4	5533.2	5445.5	5350.5
3555.5	22.5°	3609.2	3755.8	3892.8	4113.0	4109.4	4040.1	4032.0	3908.3	3910.5
2402.0	25°	2427.0	2533.8	2566.2	2791.6	2816.7	2809.3	2767.3	2652.4	2695.9
1467.3	27.5°	1468.7	1562.3	1672.0	1751.6	1826.7	1814.9	1772.9	1708.9	1680.9
881.7	30°	905.3	947.2	987.7	1083.5	1128.4	1152.0	1132.1	1072.5	1076.9
580.4	32.5°	592.9	628.3	657.8	718.2	741.7	785.2	777.1	764.6	749.8
417.6	35°	432.4	458.2	478.0	506.0	536.2	573.1	578.9	573.8	567.9
322.6	37.5°	330.0	356.5	379.3	391.1	414.7	443.4	459.6	458.9	454.5
263.0	40°	268.1	288.0	308.6	324.1	340.3	361.7	381.5	383.8	383.8
221.0	42.5°	223.9	240.9	261.5	277.7	289.5	309.4	330.0	331.5	330.0
187.1	45°	191.5	206.2	226.1	245.3	254.9	269.6	289.5	293.9	290.9
160.6	47.5°	166.5	179.7	196.7	217.3	227.6	240.9	259.3	264.4	263.7
138.5	50°	142.9	158.4	175.3	192.2	205.5	218.0	235.7	241.6	239.4
117.9	52.5°	126.0	139.9	154.7	173.1	188.6	199.6	213.6	223.9	221.0
99.4	55°	105.3	122.3	137.7	153.2	172.4	184.1	197.4	209.9	207.0
84.0	57.5°	91.3	105.3	123.0	137.0	156.2	170.1	183.4	196.7	195.9
68.5	60°	76.6	91.3	108.3	123.0	140.7	156.2	169.4	184.1	185.6
51.6	62.5°	60.4	78.1	92.8	109.7	127.4	144.4	156.2	170.9	173.1
39.0	65°	45.7	64.1	80.3	96.5	114.2	132.6	142.9	155.4	157.6
28.7	67.5°	33.9	49.4	68.5	83.2	101.6	119.3	128.9	139.2	142.9
17.7	70°	25.8	37.6	57.5	71.4	90.6	104.6	114.9	123.7	126.7
11.8	72.5°	16.2	29.5	46.4	61.1	78.1	90.6	98.0	103.1	107.5
6.6	75°	11.0	22.8	37.6	52.3	64.8	74.4	81.0	85.4	89.1
2.9	77.5°	6.6	17.7	30.9	43.5	51.6	58.9	65.6	68.5	70.7
2.2	80°	3.7	13.3	25.8	35.4	40.5	45.7	50.8	54.5	56.0
1.5	82.5°	2.2	10.3	20.6	27.3	29.5	34.6	39.8	42.0	42.0
0.7	85°	1.5	7.4	14.0	19.9	21.4	25.0	26.5	28.0	29.5
0.7	87.5°	1.5	4.4	8.8	11.0	11.8	13.3	14.0	15.5	16.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°
<u>23110.8</u>
22351.4
20937.9
18697.2
16272.4
13366.6
10202.3
7309.0
5309.2
3867.8
2627.4
1656.6
1057.7
744.7
565.7
452.3
379.3
328.5
290.9
262.2
237.9
220.2
208.5
196.7
186.4
174.6
159.8
144.4
128.2
106.8
88.4
70.0
54.5
41.2
28.7
16.2
0.0

(END OF REPORT)