

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: P637260

Luminaire Tested: **IFLD-S-SA2B-722-U-44-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P637260  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2B-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: 8111.6 lumens  
Efficiency: N/A  
Efficacy: 98.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

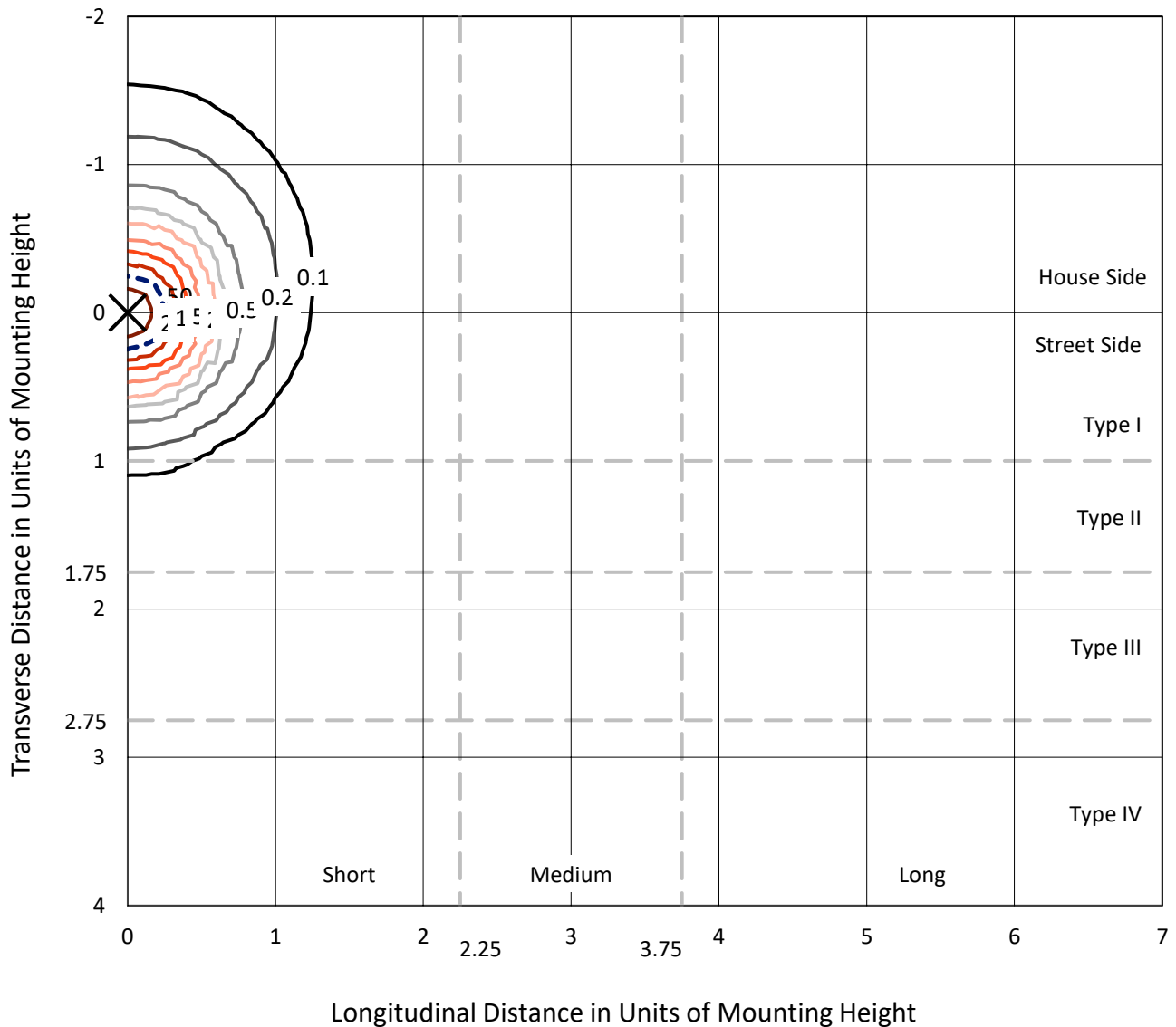
Input Watts (W): 82.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

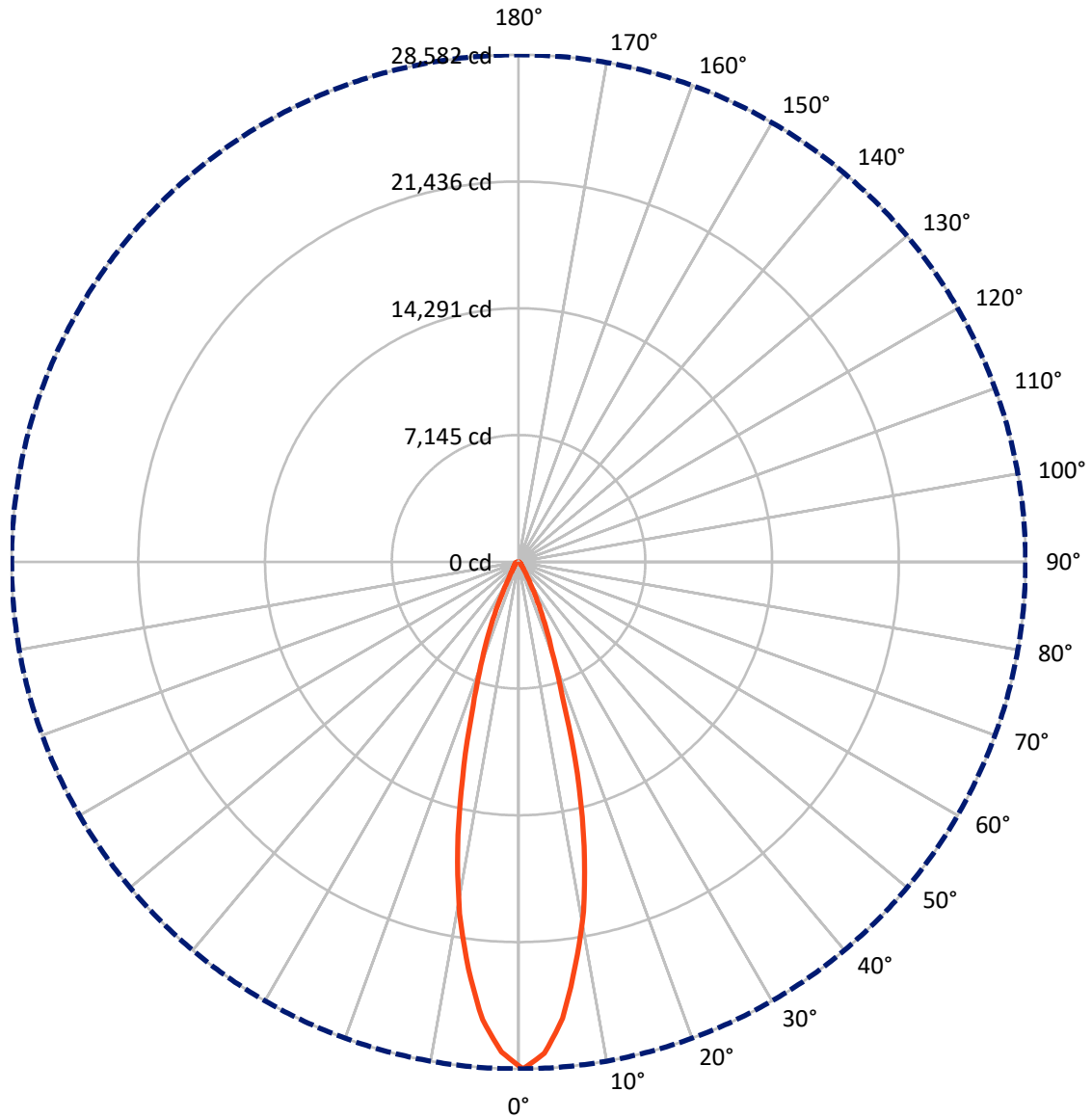
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 71.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4277.0	0.0	4277.0
	% Fixture	52.7	0.0	52.7
<b>Street Side</b>	Lumens	3834.6	0.0	3834.6
	% Fixture	47.3	0.0	47.3
<b>Total</b>	Lumens	8111.6	0.0	8111.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2306.8	28.4
10°-20°	3493.6	43.1
20°-30°	1474.3	18.2
30°-40°	384.5	4.7
40°-50°	194.5	2.4
50°-60°	127.1	1.6
60°-70°	76.2	0.9
70°-80°	40.1	0.5
80°-90°	14.5	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°	8111.6	100.0
0°-180°	8111.6	100.0

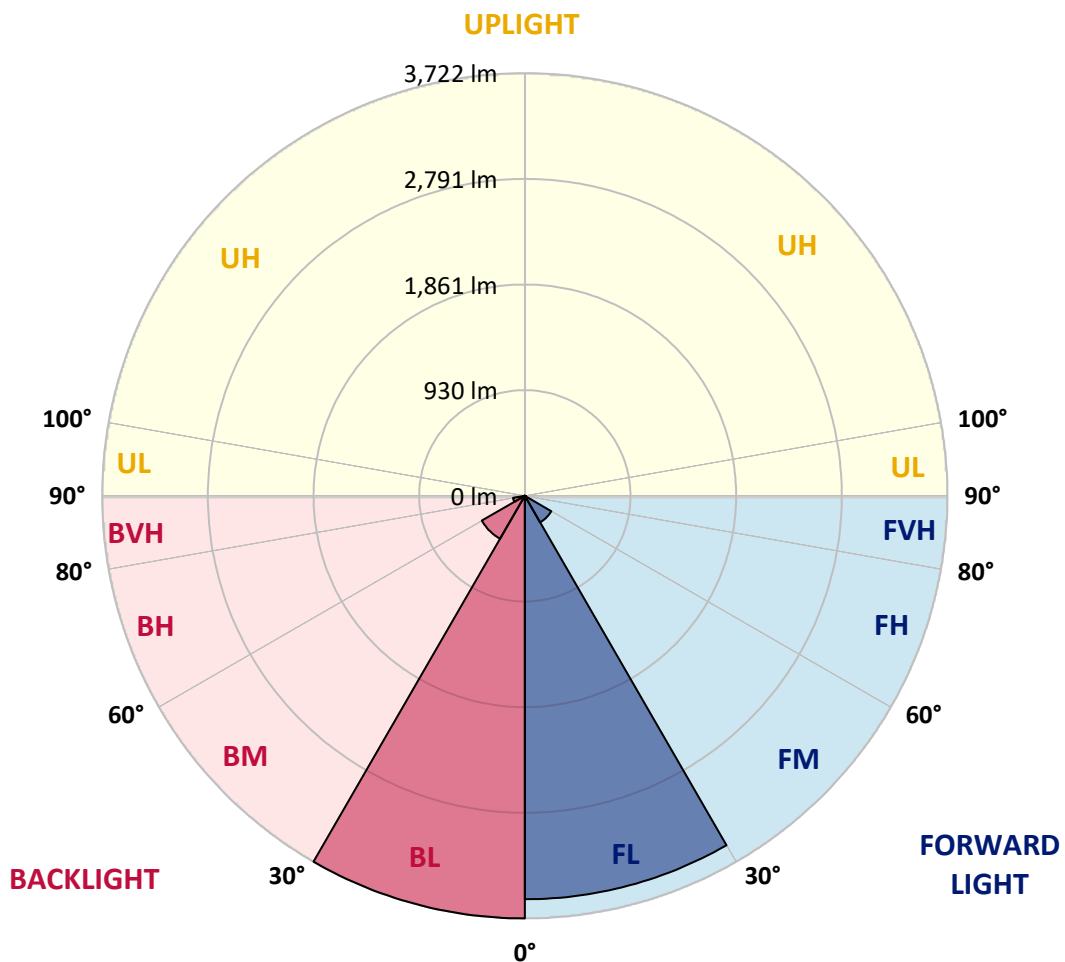


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3552.8	43.8			
FM (30°-60°)	269.1	3.3			
FH (60°-80°)	11.0	0.1			G0/660
FVH (80°-90°)	1.8	0.0			G0/10
BL (0°-30°)	3722.0	45.9	B4/5000		
BM (30°-60°)	437.1	5.4	B1/1000		
BH (60°-80°)	105.3	1.3	B0/110		G0/660
BVH (80°-90°)	12.7	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	28581.8	28581.8	28581.8	28581.8	28581.8	28581.8	28581.8	28581.8	28581.8	28581.8
2.5°	27749.2	27764.7	27707.3	27831.2	27734.7	27993.4	27864.9	28065.3	27997.9	28110.0
5°	25854.5	25829.0	25812.6	26004.8	25949.2	26227.0	26049.4	25991.1	26171.5	26138.7
7.5°	22993.2	23060.6	23022.3	23072.4	23100.7	23417.7	23517.9	23439.6	23442.3	23487.8
10°	20059.9	19960.6	19819.5	19913.3	20111.9	20250.3	20194.8	20309.5	20284.0	20392.4
12.5°	16450.8	16529.1	16449.9	16366.1	16713.1	16674.9	16771.4	16834.3	16676.7	17027.4
15°	12391.6	12432.6	12529.2	12522.8	12789.7	12843.4	12830.7	12897.2	12774.2	12832.5
17.5°	7960.8	8099.2	8358.8	8797.9	9291.6	9349.0	9334.5	9279.8	9220.6	9155.0
20°	5347.3	5332.7	5426.5	5554.9	6577.0	6847.6	6839.4	6668.1	6420.3	6373.0
22.5°	3745.8	3773.1	3760.4	3887.9	4099.3	4845.3	4753.3	4579.3	4498.3	4445.4
25°	2464.1	2454.1	2517.9	2556.1	2737.4	2828.5	3151.0	3086.3	2961.5	2975.1
27.5°	1502.1	1514.9	1538.6	1571.4	1699.8	1670.7	1854.7	1879.3	1839.2	1796.4
30°	921.9	931.0	950.1	973.8	1018.4	986.6	1037.6	1125.9	1111.4	1081.3
32.5°	625.8	626.7	640.4	649.5	644.0	614.0	630.4	714.2	716.0	713.3
35°	450.0	450.0	462.8	470.0	454.6	430.0	432.7	484.6	507.4	512.0
37.5°	310.6	311.5	333.4	355.3	338.0	331.6	320.7	355.3	391.7	397.2
40°	235.9	235.0	246.0	262.4	264.2	252.3	256.0	277.8	315.2	319.7
42.5°	191.3	192.2	197.7	195.9	196.8	212.3	217.7	227.7	262.4	270.6
45°	161.2	162.1	164.9	155.8	152.1	175.8	183.1	188.6	217.7	227.7
47.5°	133.0	134.8	137.6	127.5	125.7	141.2	153.9	159.4	184.9	195.9
50°	95.6	97.5	107.5	102.0	107.5	111.1	128.4	136.6	153.9	168.5
52.5°	69.2	71.1	73.8	74.7	88.4	90.2	102.9	115.7	123.9	140.3
55°	54.7	56.5	54.7	52.8	64.7	74.7	79.3	92.9	99.3	118.4
57.5°	31.0	32.8	35.5	41.0	42.8	57.4	61.9	73.8	79.3	97.5
60°	5.5	6.4	10.0	24.6	30.1	36.4	46.5	56.5	63.8	76.5
62.5°	0.9	0.9	1.8	5.5	17.3	25.5	33.7	40.1	46.5	58.3
65°	0.0	0.0	0.9	1.8	4.6	14.6	18.2	23.7	31.9	41.9
67.5°	0.0	0.0	0.9	1.8	2.7	5.5	8.2	14.6	18.2	28.2
70°	0.0	0.0	0.9	1.8	2.7	3.6	4.6	6.4	10.9	17.3
72.5°	0.0	0.0	0.9	1.8	2.7	3.6	4.6	5.5	5.5	10.9
75°	0.0	0.0	0.9	1.8	2.7	4.6	5.5	5.5	4.6	4.6
77.5°	0.0	0.0	0.9	1.8	3.6	5.5	6.4	5.5	3.6	3.6
80°	0.0	0.0	1.8	2.7	4.6	6.4	8.2	6.4	3.6	1.8
82.5°	0.0	0.0	1.8	3.6	4.6	7.3	10.0	8.2	3.6	1.8
85°	0.0	0.0	0.9	2.7	5.5	7.3	10.0	7.3	3.6	0.9
87.5°	0.0	0.0	0.9	0.9	1.8	2.7	5.5	4.6	1.8	0.9
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°
28581.8	0°	28581.8	28581.8	28581.8	28581.8	28581.8	28581.8	28581.8	28581.8	28581.8
27897.7	2.5°	28058.0	28203.8	28233.9	28193.8	28252.1	28147.3	28067.2	27859.5	27734.7
26128.7	5°	26297.2	26275.3	26427.5	26477.6	26471.2	26391.0	26279.0	26153.3	26031.2
23399.5	7.5°	23545.2	23573.5	23711.9	23800.3	23755.6	23655.4	23578.0	23483.3	23401.3
20431.6	10°	20618.4	20424.3	20596.5	20596.5	20715.8	20432.5	20458.9	20220.3	20231.2
17021.0	12.5°	17079.3	17149.5	17177.7	17258.8	17119.4	16969.1	16785.1	16748.7	16634.8
12721.4	15°	12904.5	13104.9	12932.7	13226.9	13084.8	12928.1	12899.9	12617.5	12706.8
9227.0	17.5°	9181.4	9402.8	9472.0	9640.5	9511.2	9418.3	9300.8	9215.1	9208.8
6459.5	20°	6510.5	6732.8	6783.8	6986.0	6971.5	6942.3	6843.0	6734.6	6617.1
4397.1	22.5°	4463.6	4644.9	4814.3	5086.7	5082.2	4996.5	4986.5	4833.5	4836.2
2970.6	25°	3001.6	3133.7	3173.7	3452.5	3483.5	3474.3	3422.4	3280.3	3334.1
1814.6	27.5°	1816.4	1932.1	2067.8	2166.2	2259.1	2244.6	2192.6	2113.4	2078.8
1090.4	30°	1119.6	1171.5	1221.6	1340.0	1395.6	1424.7	1400.1	1326.3	1331.8
717.8	32.5°	733.3	777.0	813.5	888.2	917.3	971.1	961.0	945.6	927.3
516.5	35°	534.7	566.6	591.2	625.8	663.2	708.7	716.0	709.6	702.3
399.0	37.5°	408.1	440.9	469.1	483.7	512.9	548.4	568.4	567.5	562.1
325.2	40°	331.6	356.2	381.7	400.8	420.9	447.3	471.9	474.6	474.6
273.3	42.5°	276.9	297.9	323.4	343.4	358.0	382.6	408.1	409.9	408.1
231.4	45°	236.8	255.1	279.7	303.3	315.2	333.4	358.0	363.5	359.8
198.6	47.5°	205.9	222.3	243.2	268.7	281.5	297.9	320.7	327.0	326.1
171.3	50°	176.7	195.9	216.8	237.8	254.2	269.6	291.5	298.8	296.1
145.8	52.5°	155.8	173.1	191.3	214.1	233.2	246.9	264.2	276.9	273.3
123.0	55°	130.3	151.2	170.3	189.5	213.2	227.7	244.1	259.6	256.0
103.8	57.5°	113.0	130.3	152.1	169.4	193.1	210.4	226.8	243.2	242.3
84.7	60°	94.7	113.0	133.9	152.1	174.0	193.1	209.5	227.7	229.6
63.8	62.5°	74.7	96.6	114.8	135.7	157.6	178.5	193.1	211.3	214.1
48.3	65°	56.5	79.3	99.3	119.3	141.2	164.0	176.7	192.2	194.9
35.5	67.5°	41.9	61.0	84.7	102.9	125.7	147.6	159.4	172.2	176.7
21.9	70°	31.9	46.5	71.1	88.4	112.0	129.4	142.1	153.0	156.7
14.6	72.5°	20.0	36.4	57.4	75.6	96.6	112.0	121.2	127.5	133.0
8.2	75°	13.7	28.2	46.5	64.7	80.2	92.0	100.2	105.7	110.2
3.6	77.5°	8.2	21.9	38.3	53.7	63.8	72.9	81.1	84.7	87.5
2.7	80°	4.6	16.4	31.9	43.7	50.1	56.5	62.9	67.4	69.2
1.8	82.5°	2.7	12.8	25.5	33.7	36.4	42.8	49.2	51.9	51.9
0.9	85°	1.8	9.1	17.3	24.6	26.4	31.0	32.8	34.6	36.4
0.9	87.5°	1.8	5.5	10.9	13.7	14.6	16.4	17.3	19.1	21.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°
<u>28581.8</u>
27642.7
25894.5
23123.5
20124.6
16530.9
12617.5
9039.3
6566.1
4783.4
3249.3
2048.7
1308.1
921.0
699.6
559.3
469.1
406.3
359.8
324.3
294.2
272.4
257.8
243.2
230.5
215.9
197.7
178.5
158.5
132.1
109.3
86.5
67.4
51.0
35.5
20.0
0.0

(END OF REPORT)