

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: P638373

Luminaire Tested: **IFLD-S-SA6C-730-U-LAM-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P638373  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6C-730-U-LAM-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/  
Lambertian distribution lens and Visor  
Light Source: (96) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 27887.3 lumens  
Efficiency: N/A  
Efficacy: 86.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G3

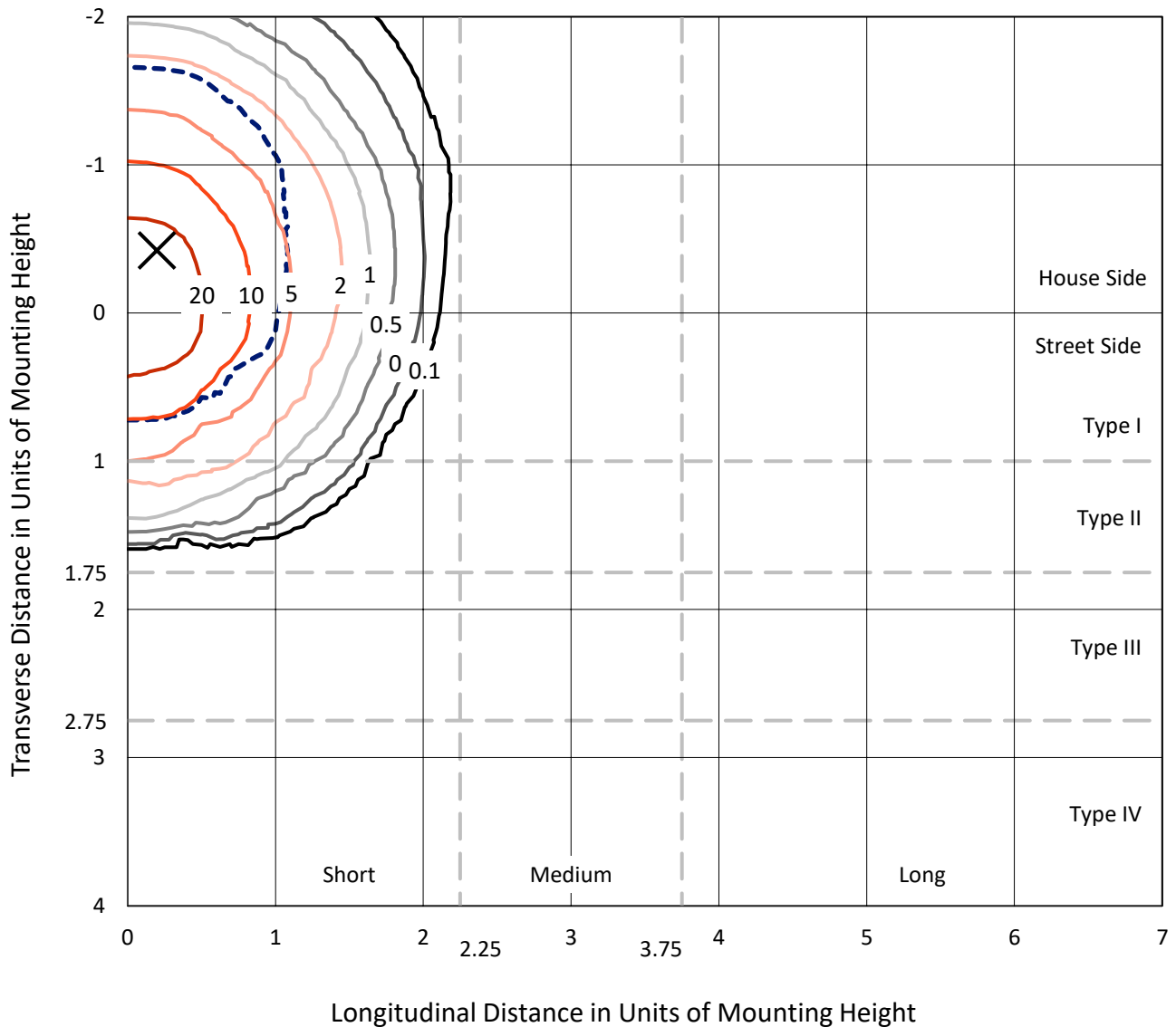
Input Watts (W): 321.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

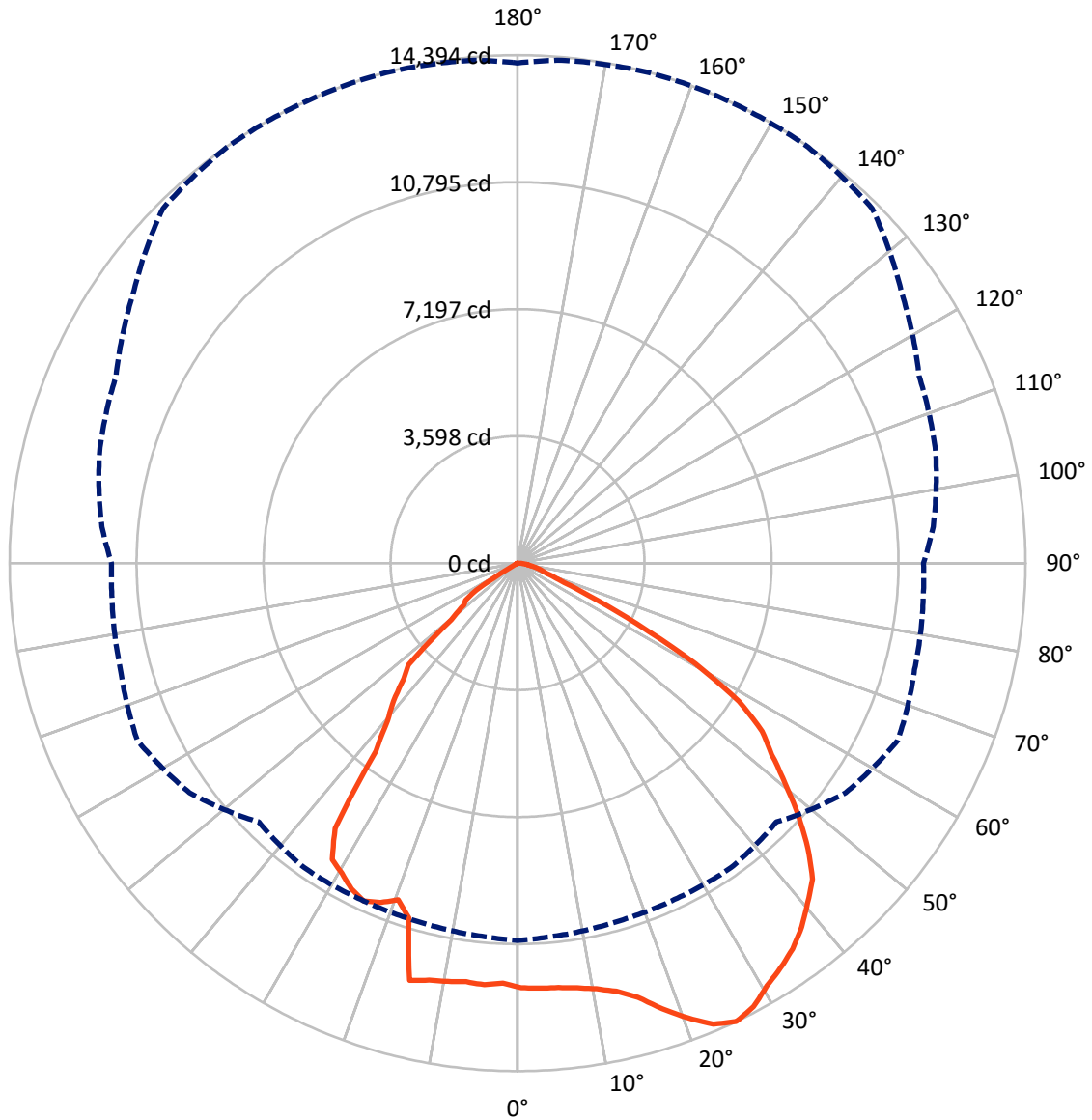
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 30.1 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 155-Deg Lateral      - - - Horizontal Cone Through 25-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	17265.1	0.0	17265.1
	% Fixture	61.9	0.0	61.9
<b>Street Side</b>	Lumens	10622.2	0.0	10622.2
	% Fixture	38.1	0.0	38.1
<b>Total</b>	Lumens	27887.3	0.0	27887.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1154.4	4.1
10°-20°	3524.9	12.6
20°-30°	5572.7	20.0
30°-40°	6294.8	22.6
40°-50°	5895.2	21.1
50°-60°	4064.3	14.6
60°-70°	1092.0	3.9
70°-80°	227.6	0.8
80°-90°	61.6	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°	27887.3	100.0
0°-180°	27887.3	100.0



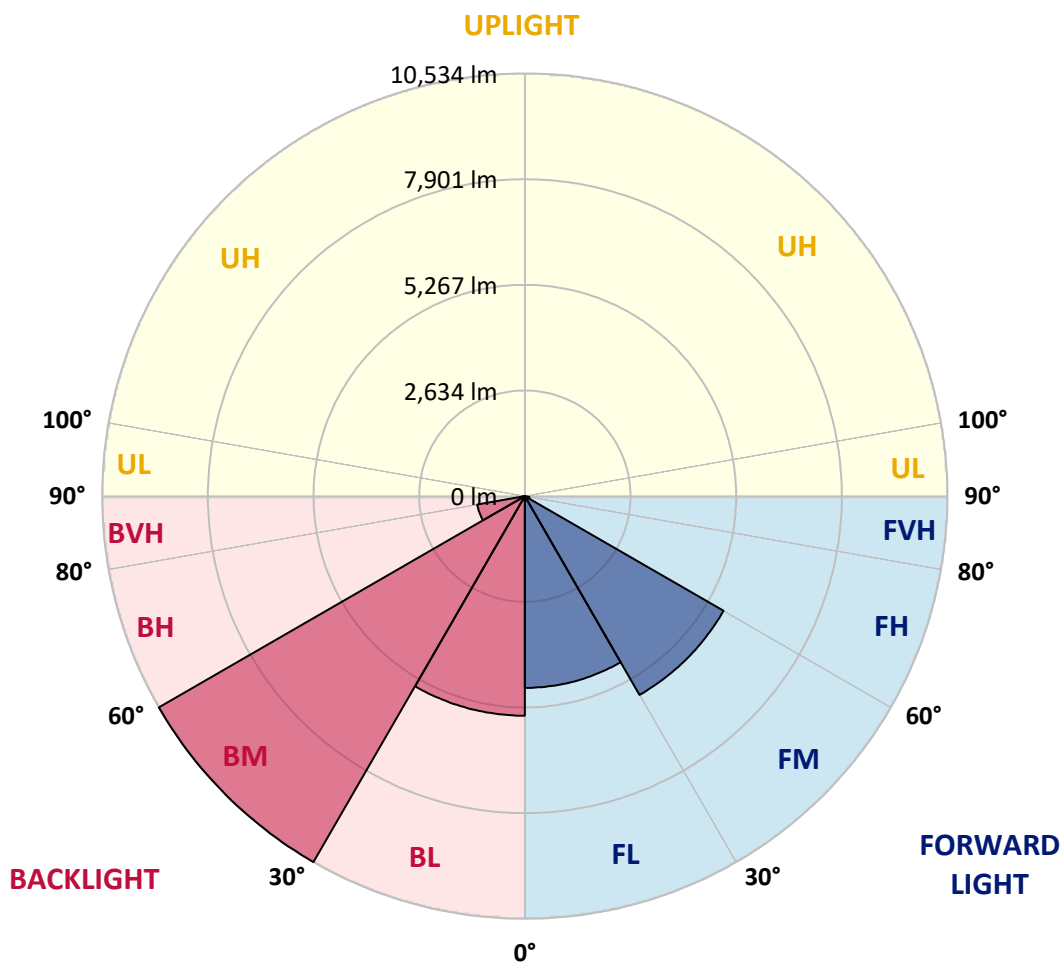
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4779.0	17.1			
FM (30°-60°)	5720.3	20.5			
FH (60°-80°)	114.6	0.4			G0/660
FVH (80°-90°)	8.3	0.0			G0/10
BL (0°-30°)	5472.9	19.6	B5		
BM (30°-60°)	10534.0	37.8	B5		
BH (60°-80°)	1204.9	4.3	B3/2500		G3/2500
BVH (80°-90°)	53.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G3**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	12032.9	12032.9	12032.9	12032.9	12032.9	12032.9	12032.9	12032.9	12032.9	12032.9
2.5°	12086.2	12008.3	11934.5	11909.9	12012.4	12123.0	12053.4	12057.5	12032.9	12078.0
5°	12176.3	12069.8	12020.6	11983.7	12000.1	12114.8	12016.5	12053.4	12012.4	12065.7
7.5°	12143.5	12069.8	12020.6	11950.9	12004.2	12139.4	12045.2	12049.3	12028.8	12078.0
10°	12123.0	12069.8	12008.3	12016.5	12078.0	12192.7	12118.9	12159.9	12131.2	12159.9
12.5°	12172.2	12114.8	12082.1	12082.1	12135.3	12266.5	12229.6	12266.5	12254.2	12278.8
15°	11709.1	11762.4	12073.9	12213.2	12319.8	12450.9	12434.5	12471.4	12479.6	12516.5
17.5°	9877.1	9823.8	9799.3	10516.5	12422.2	12828.0	12815.7	12811.6	12770.6	12741.9
20°	10118.9	10098.4	10069.8	10123.0	10336.1	13024.7	13106.7	12602.6	12455.0	12442.7
22.5°	10504.2	10471.4	10364.8	10368.9	10434.5	11323.9	12700.9	12241.9	12192.7	12164.0
25°	10692.7	10627.1	10541.1	10516.5	10537.0	10373.0	11344.4	11889.4	11647.6	11537.0
27.5°	10360.7	10364.8	10295.2	10360.7	10282.9	9545.2	9131.2	11200.9	11192.7	11143.5
30°	10110.7	10098.4	10016.5	10098.4	9561.5	8737.8	8561.5	10446.8	10360.7	10295.2
32.5°	9344.3	9352.5	9590.2	9909.9	9028.8	8377.1	7844.3	9332.0	10147.6	10110.7
35°	6684.5	6700.9	7545.1	9123.0	8221.4	7659.9	7618.9	8065.6	9811.6	9827.9
37.5°	6434.5	6434.5	6414.0	6672.2	7586.1	7368.9	7450.9	7405.8	8987.8	9028.8
40°	6254.1	6217.3	6188.6	5782.8	5274.6	7164.0	7221.4	7016.4	8496.0	8504.2
42.5°	6036.9	5995.9	6004.1	5254.1	4721.3	6655.8	6496.0	6221.4	7676.3	7684.5
45°	5639.4	5709.1	5758.2	4598.4	4557.4	4754.1	5991.9	5819.7	7123.0	7274.6
47.5°	2868.9	2930.4	4495.9	4229.5	4323.8	4225.4	5061.5	5065.6	5926.3	6430.4
50°	2602.5	2586.1	2590.2	2467.2	3991.8	3418.1	3659.9	4643.5	4745.9	5467.3
52.5°	2426.2	2422.2	2172.1	1930.3	2508.2	3008.2	2655.8	3360.7	3528.7	4631.2
55°	1795.1	1926.2	1713.1	1815.6	1569.7	2409.9	2397.6	3032.8	3090.2	3713.1
57.5°	16.4	20.5	49.2	1381.2	1086.1	1204.9	1655.8	2069.7	2172.1	2893.5
60°	4.1	8.2	20.5	41.0	704.9	741.8	1106.6	1196.7	1348.4	1725.4
62.5°	0.0	0.0	8.2	20.5	36.9	303.3	352.5	385.2	594.3	881.2
65°	0.0	0.0	4.1	12.3	20.5	49.2	86.1	180.3	258.2	319.7
67.5°	0.0	0.0	4.1	8.2	16.4	24.6	49.2	69.7	110.7	188.5
70°	0.0	0.0	4.1	8.2	12.3	20.5	32.8	49.2	65.6	94.3
72.5°	0.0	0.0	4.1	8.2	8.2	24.6	24.6	36.9	49.2	61.5
75°	0.0	0.0	4.1	4.1	8.2	16.4	24.6	28.7	32.8	49.2
77.5°	0.0	0.0	4.1	8.2	12.3	16.4	20.5	32.8	28.7	28.7
80°	0.0	0.0	4.1	12.3	12.3	20.5	24.6	32.8	20.5	20.5
82.5°	0.0	0.0	4.1	16.4	12.3	41.0	41.0	45.1	16.4	16.4
85°	0.0	0.0	12.3	8.2	24.6	41.0	36.9	24.6	20.5	12.3
87.5°	0.0	0.0	4.1	4.1	8.2	12.3	28.7	24.6	8.2	8.2
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°
12032.9	0°	12032.9	12032.9	12032.9	12032.9	12032.9	12032.9	12032.9	12032.9	12032.9
11959.1	2.5°	12123.0	12069.8	12180.4	12168.1	12114.8	12090.3	12061.6	12037.0	11856.6
11967.3	5°	12127.1	12045.2	12180.4	12155.8	12147.6	12106.7	12082.1	12118.9	11955.0
12000.1	7.5°	12127.1	12045.2	12192.7	12200.9	12188.6	12155.8	12151.7	12176.3	12041.1
12057.5	10°	12209.1	12176.3	12299.3	12311.6	12295.2	12287.0	12266.5	12250.1	12106.7
12254.2	12.5°	12381.2	12315.7	12455.0	12491.9	12479.6	12500.1	12450.9	12475.5	12328.0
12455.0	15°	12590.3	12594.4	12700.9	12782.9	12774.7	12840.3	12766.5	12832.1	12725.5
12684.5	17.5°	12909.9	12955.0	13106.7	13229.6	13274.7	13323.9	13274.7	13295.2	13143.5
12430.4	20°	12573.9	12741.9	13471.4	13696.8	13791.1	13836.2	13754.2	13778.8	13627.2
12118.9	22.5°	12270.6	12487.8	13135.3	13840.3	14131.3	14221.4	14192.7	14188.6	14131.3
11504.2	25°	11823.9	12262.4	12553.4	13299.3	14213.2	14377.2	14393.6	14389.5	14303.4
11127.1	27.5°	11274.7	11373.0	12127.1	12582.1	13639.5	14262.4	14237.8	14119.0	14004.2
10344.3	30°	10573.9	11020.6	11360.7	12086.2	12897.6	13909.9	13909.9	13819.8	13700.9
10065.7	32.5°	10217.3	10795.2	11110.7	11373.0	12065.7	13516.5	13680.4	13586.2	13491.9
9848.4	35°	10028.8	10114.8	10852.5	11090.3	11676.3	12758.3	13422.2	13328.0	13258.3
9270.6	37.5°	9614.8	9815.7	10159.9	10795.2	10975.5	12139.4	13078.0	13028.8	12946.8
8520.6	40°	8692.7	9229.6	9758.3	10360.7	10549.3	11344.4	12659.9	12680.4	12569.8
7721.4	42.5°	8147.6	8512.4	9340.2	9746.0	10254.2	10832.1	12254.2	12287.0	12209.1
7315.6	45°	7508.3	7914.0	8496.0	9233.7	9926.3	10127.1	11537.0	11881.2	11815.7
6508.2	47.5°	6922.2	7250.1	7963.2	8709.1	9475.5	9446.8	10713.2	11360.7	11270.6
5889.4	50°	6090.2	6664.0	7000.1	7684.5	8827.9	8905.8	9836.1	10750.1	10676.3
5004.1	52.5°	5135.3	5856.6	6500.1	7127.1	8172.2	8356.6	9020.6	10127.1	10077.9
3823.8	55°	4487.7	5012.3	5737.7	6241.9	7377.1	7868.9	8409.9	9532.9	9508.3
3143.5	57.5°	3192.6	4205.0	4803.3	5508.2	6106.6	6996.0	7397.6	8323.8	8094.3
1741.8	60°	2164.0	2639.4	3368.9	4127.1	4528.7	5418.1	5791.0	6532.8	6471.4
1041.0	62.5°	1143.5	1582.0	2102.5	2483.6	2774.6	3639.4	3795.1	4594.3	4573.8
418.0	65°	504.1	668.0	1139.4	1336.1	1635.3	2036.9	2172.1	2459.0	2389.4
204.9	67.5°	262.3	397.5	643.4	791.0	995.9	1147.5	1258.2	1348.4	1405.7
135.2	70°	159.8	291.0	397.5	549.2	684.4	807.4	893.4	1016.4	1090.2
69.7	72.5°	118.9	184.4	274.6	422.1	495.9	639.3	725.4	815.6	881.2
57.4	75°	65.6	123.0	221.3	332.0	397.5	520.5	598.4	659.8	680.3
32.8	77.5°	41.0	94.3	184.4	258.2	311.5	422.1	401.6	459.0	508.2
24.6	80°	28.7	69.7	143.4	213.1	217.2	270.5	319.7	368.9	401.6
16.4	82.5°	20.5	57.4	106.6	163.9	143.4	209.0	250.0	286.9	209.0
12.3	85°	16.4	41.0	53.3	98.4	82.0	147.5	127.1	123.0	82.0
8.2	87.5°	12.3	20.5	36.9	45.1	32.8	32.8	41.0	49.2	41.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
12032.9  
11733.7  
11815.7  
11885.3  
11987.8  
12196.8  
12549.3  
13012.4  
13520.6  
13946.8  
*14172.2*  
13914.0  
13655.8  
13414.0  
13159.9  
12864.9  
12545.2  
12200.9  
11823.9  
11336.2  
10688.6  
10110.7  
9537.0  
8069.7  
6475.5  
4577.9  
2360.7  
1405.7  
1094.3  
893.4  
668.0  
516.4  
405.7  
151.6  
82.0  
41.0  
0.0

(END OF REPORT)