

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: P638489

Luminaire Tested: **IFLD-S-SA6C-760-U-LAM-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P638489  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6C-760-U-LAM-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/  
Lambertian distribution lens and Visor  
Light Source: (96) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 31326.5 lumens  
Efficiency: N/A  
Efficacy: 97.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G3

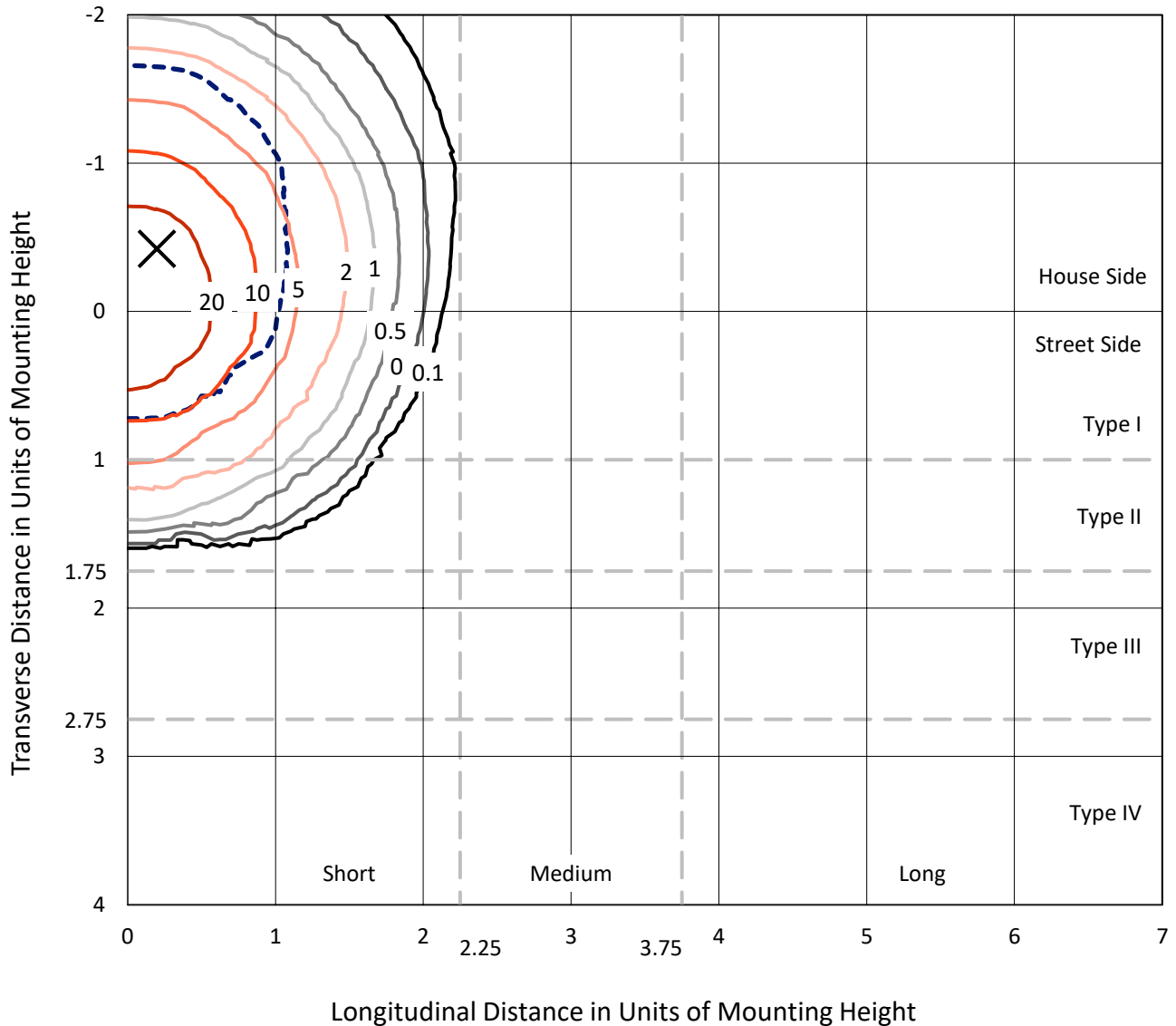
Input Watts (W): 321.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

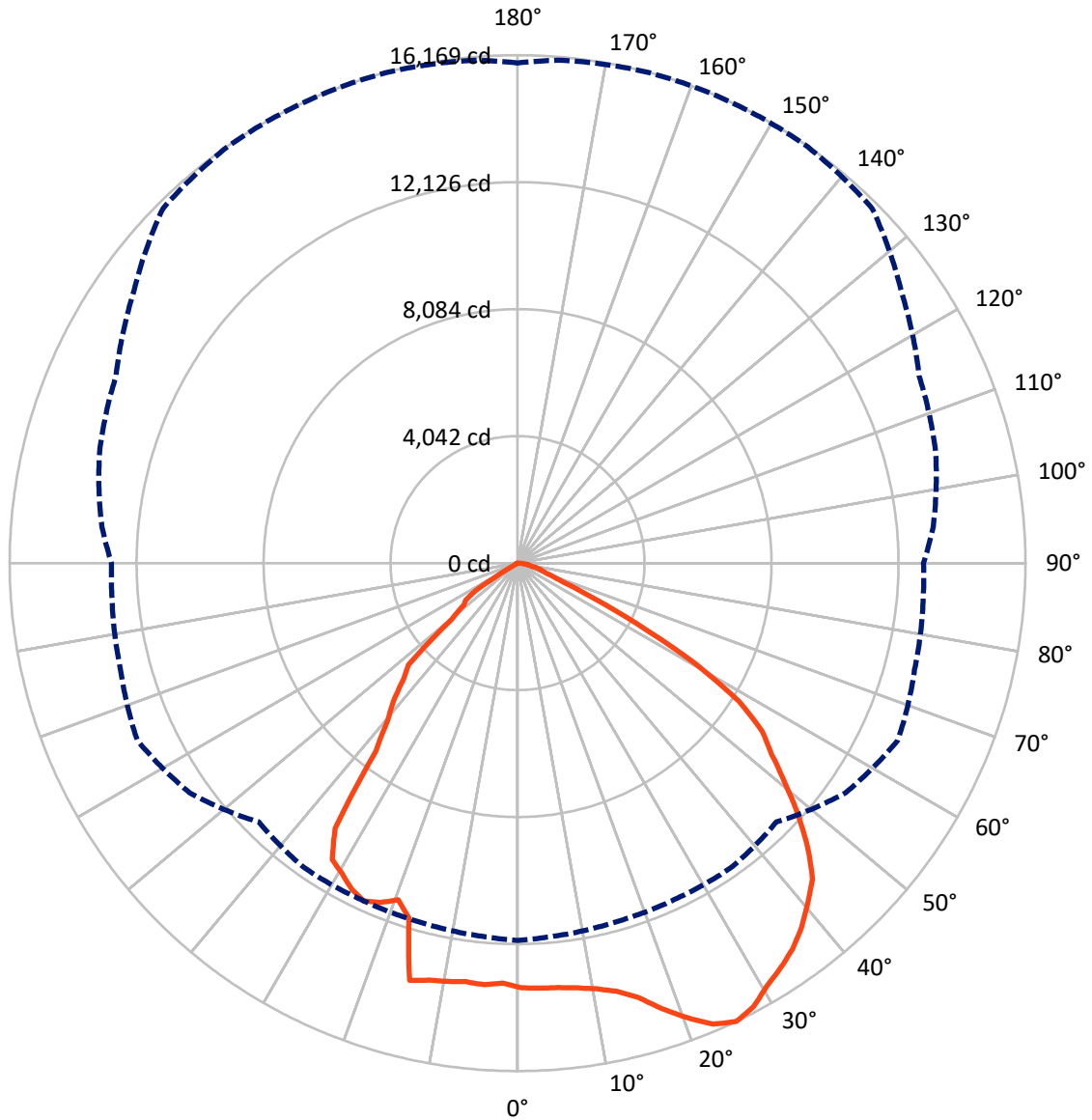
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 33.8 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	19394.3	0.0	19394.3
	% Fixture	61.9	0.0	61.9
<b>Street Side</b>	Lumens	11932.2	0.0	11932.2
	% Fixture	38.1	0.0	38.1
<b>Total</b>	Lumens	31326.5	0.0	31326.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1296.8	4.1
10°-20°	3959.6	12.6
20°-30°	6259.9	20.0
30°-40°	7071.1	22.6
40°-50°	6622.2	21.1
50°-60°	4565.5	14.6
60°-70°	1226.6	3.9
70°-80°	255.6	0.8
80°-90°	69.1	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°	31326.5	100.0
0°-180°	31326.5	100.0



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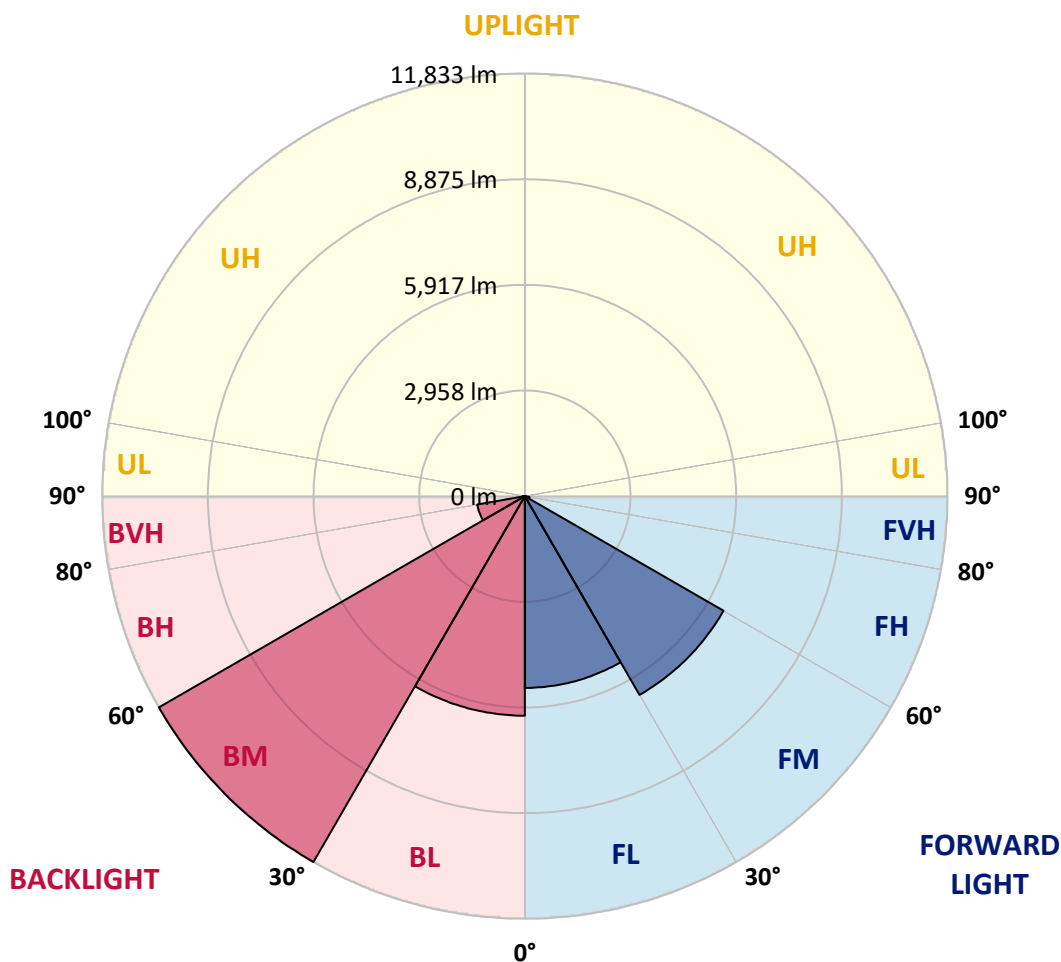
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5368.4	17.1			
FM (30°-60°)	6425.8	20.5			
FH (60°-80°)	128.8	0.4			G0/660
FVH (80°-90°)	9.3	0.0			G0/10
BL (0°-30°)	6147.9	19.6	B5		
BM (30°-60°)	11833.1	37.8	B5		
BH (60°-80°)	1353.5	4.3	B3/2500		G3/2500
BVH (80°-90°)	59.9	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°	13516.8	13516.8	13516.8	13516.8	13516.8	13516.8	13516.8	13516.8	13516.8	13516.8
2.5°	13576.7	13489.2	13406.3	13378.7	13493.8	13618.1	13539.9	13544.5	13516.8	13567.5
5°	13678.0	13558.3	13503.0	13461.6	13480.0	13608.9	13498.4	13539.9	13493.8	13553.7
7.5°	13641.1	13558.3	13503.0	13424.8	13484.6	13636.5	13530.7	13535.3	13512.2	13567.5
10°	13618.1	13558.3	13489.2	13498.4	13567.5	13696.4	13613.5	13659.6	13627.3	13659.6
12.5°	13673.4	13608.9	13572.1	13572.1	13631.9	13779.3	13737.8	13779.3	13765.4	13793.1
15°	13153.1	13213.0	13562.9	13719.4	13839.1	13986.4	13968.0	14009.4	14018.7	14060.1
17.5°	11095.2	11035.4	11007.8	11813.4	13954.2	14410.0	14396.2	14391.6	14345.5	14313.3
20°	11366.9	11343.8	11311.6	11371.5	11610.9	14631.0	14723.0	14156.8	13991.0	13977.2
22.5°	11799.6	11762.8	11643.1	11647.7	11721.3	12720.4	14267.3	13751.6	13696.4	13664.2
25°	12011.4	11937.7	11841.0	11813.4	11836.4	11652.3	12743.4	13355.7	13084.1	12959.8
27.5°	11638.5	11643.1	11564.8	11638.5	11551.0	10722.3	10257.3	12582.3	12573.1	12517.8
30°	11357.6	11343.8	11251.8	11343.8	10740.7	9815.4	9617.4	11735.2	11638.5	11564.8
32.5°	10496.7	10505.9	10773.0	11132.1	10142.2	9410.2	8811.7	10482.9	11399.1	11357.6
35°	7508.8	7527.3	8475.6	10248.1	9235.3	8604.6	8558.5	9060.3	11021.6	11040.0
37.5°	7228.0	7228.0	7205.0	7495.0	8521.7	8277.7	8369.8	8319.1	10096.2	10142.2
40°	7025.4	6984.0	6951.8	6496.0	5925.1	8047.5	8111.9	7881.8	9543.7	9552.9
42.5°	6781.4	6735.4	6744.6	5902.1	5303.6	7476.6	7297.1	6988.6	8623.0	8632.2
45°	6334.9	6413.1	6468.4	5165.5	5119.5	5340.4	6730.8	6537.4	8001.5	8171.8
47.5°	3222.7	3291.7	5050.4	4751.2	4857.0	4746.5	5685.7	5690.3	6657.1	7223.4
50°	2923.4	2905.0	2909.6	2771.5	4484.1	3839.6	4111.2	5216.1	5331.2	6141.5
52.5°	2725.5	2720.9	2440.0	2168.4	2817.5	3379.2	2983.3	3775.1	3963.9	5202.3
55°	2016.5	2163.8	1924.4	2039.5	1763.3	2707.1	2693.2	3406.8	3471.3	4171.1
57.5°	18.4	23.0	55.2	1551.5	1220.0	1353.5	1859.9	2324.9	2440.0	3250.3
60°	4.6	9.2	23.0	46.0	791.9	833.3	1243.0	1344.3	1514.7	1938.2
62.5°	0.0	0.0	9.2	23.0	41.4	340.7	395.9	432.8	667.6	989.8
65°	0.0	0.0	4.6	13.8	23.0	55.2	96.7	202.6	290.0	359.1
67.5°	0.0	0.0	4.6	9.2	18.4	27.6	55.2	78.3	124.3	211.8
70°	0.0	0.0	4.6	9.2	13.8	23.0	36.8	55.2	73.7	105.9
72.5°	0.0	0.0	4.6	9.2	9.2	27.6	27.6	41.4	55.2	69.1
75°	0.0	0.0	4.6	4.6	9.2	18.4	27.6	32.2	36.8	55.2
77.5°	0.0	0.0	4.6	9.2	13.8	18.4	23.0	36.8	32.2	32.2
80°	0.0	0.0	4.6	13.8	13.8	23.0	27.6	36.8	23.0	23.0
82.5°	0.0	0.0	4.6	18.4	13.8	46.0	46.0	50.6	18.4	18.4
85°	0.0	0.0	13.8	9.2	27.6	46.0	41.4	27.6	23.0	13.8
87.5°	0.0	0.0	4.6	4.6	9.2	13.8	32.2	27.6	9.2	9.2
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°
13516.8	0°	13516.8	13516.8	13516.8	13516.8	13516.8	13516.8	13516.8	13516.8	13516.8
13434.0	2.5°	13618.1	13558.3	13682.6	13668.8	13608.9	13581.3	13549.1	13521.4	13318.9
13443.2	5°	13622.7	13530.7	13682.6	13655.0	13645.7	13599.7	13572.1	13613.5	13429.4
13480.0	7.5°	13622.7	13530.7	13696.4	13705.6	13691.8	13655.0	13650.4	13678.0	13526.0
13544.5	10°	13714.8	13678.0	13816.1	13829.9	13811.5	13802.3	13779.3	13760.8	13599.7
13765.4	12.5°	13908.2	13834.5	13991.0	14032.5	14018.7	14041.7	13986.4	14014.1	13848.3
13991.0	15°	14143.0	14147.6	14267.3	14359.3	14350.1	14423.8	14340.9	14414.6	14294.9
14248.8	17.5°	14502.1	14552.7	14723.0	14861.2	14911.8	14967.0	14911.8	14934.8	14764.5
13963.4	20°	14124.5	14313.3	15132.8	15386.0	15491.9	15542.5	15450.4	15478.1	15307.7
13613.5	22.5°	13783.9	14027.9	14755.3	15547.1	15874.0	15975.3	15943.1	15938.5	15874.0
12922.9	25°	13282.0	13774.7	14101.5	14939.4	15966.1	16150.2	16168.6	16164.0	16067.4
12499.4	27.5°	12665.1	12775.6	13622.7	14133.8	15321.5	16021.3	15993.7	15860.2	15731.3
11620.1	30°	11877.9	12379.7	12761.8	13576.7	14488.2	15625.4	15625.4	15524.1	15390.6
11307.0	32.5°	11477.3	12126.5	12481.0	12775.6	13553.7	15183.4	15367.6	15261.7	15155.8
11063.0	35°	11265.6	11362.2	12190.9	12458.0	13116.3	14331.7	15077.5	14971.6	14893.4
10413.9	37.5°	10800.6	11026.2	11412.9	12126.5	12329.1	13636.5	14690.8	14635.6	14543.5
9571.4	40°	9764.7	10367.8	10961.7	11638.5	11850.3	12743.4	14221.2	14244.2	14119.9
8673.6	42.5°	9152.4	9562.2	10492.1	10947.9	11518.8	12167.9	13765.4	13802.3	13714.8
8217.8	45°	8434.2	8890.0	9543.7	10372.4	11150.5	11376.1	12959.8	13346.5	13272.8
7310.9	47.5°	7775.9	8144.2	8945.2	9783.1	10644.1	10611.8	12034.4	12761.8	12660.5
6615.7	50°	6841.3	7485.8	7863.3	8632.2	9916.6	10004.1	11049.2	12075.8	11993.0
5621.3	52.5°	5768.6	6578.9	7301.7	8006.1	9180.0	9387.2	10133.0	11376.1	11320.8
4295.4	55°	5041.2	5630.5	6445.4	7011.6	8286.9	8839.3	9447.1	10708.5	10680.9
3531.1	57.5°	3586.4	4723.5	5395.7	6187.5	6859.7	7858.7	8309.9	9350.4	9092.6
1956.6	60°	2430.8	2964.9	3784.3	4636.1	5087.2	6086.3	6505.2	7338.5	7269.4
1169.4	62.5°	1284.5	1777.1	2361.8	2789.9	3116.8	4088.2	4263.1	5160.9	5137.9
469.6	65°	566.3	750.4	1279.9	1500.8	1836.9	2288.1	2440.0	2762.3	2684.0
230.2	67.5°	294.6	446.6	722.8	888.5	1118.7	1289.1	1413.4	1514.7	1579.1
151.9	70°	179.5	326.9	446.6	616.9	768.8	907.0	1003.6	1141.7	1224.6
78.3	72.5°	133.5	207.2	308.5	474.2	557.1	718.2	814.9	916.2	989.8
64.5	75°	73.7	138.1	248.6	372.9	446.6	584.7	672.2	741.2	764.2
36.8	77.5°	46.0	105.9	207.2	290.0	349.9	474.2	451.2	515.6	570.9
27.6	80°	32.2	78.3	161.1	239.4	244.0	303.9	359.1	414.3	451.2
18.4	82.5°	23.0	64.5	119.7	184.2	161.1	234.8	280.8	322.3	234.8
13.8	85°	18.4	46.0	59.8	110.5	92.1	165.7	142.7	138.1	92.1
9.2	87.5°	13.8	23.0	41.4	50.6	36.8	36.8	46.0	55.2	46.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
13516.8  
13180.8  
13272.8  
13351.1  
13466.2  
13701.0  
14096.9  
14617.2  
15188.0  
15666.8  
*15920.0*  
15630.0  
15340.0  
15068.3  
14782.9  
14451.4  
14092.3  
13705.6  
13282.0  
12734.2  
12006.8  
11357.6  
10713.1  
9064.9  
7274.0  
5142.5  
2651.8  
1579.1  
1229.2  
1003.6  
750.4  
580.1  
455.8  
170.3  
92.1  
46.0  
0.0

(END OF REPORT)