

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: P638325

Luminaire Tested: **IFLD-L-SA7C-722-U-LAM-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P638325  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7C-722-U-LAM-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/  
Lambertian distribution lens and Visor  
Light Source: (112) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24067.3 lumens  
Efficiency: N/A  
Efficacy: 65.2 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G3

Input Watts (W): 369  
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

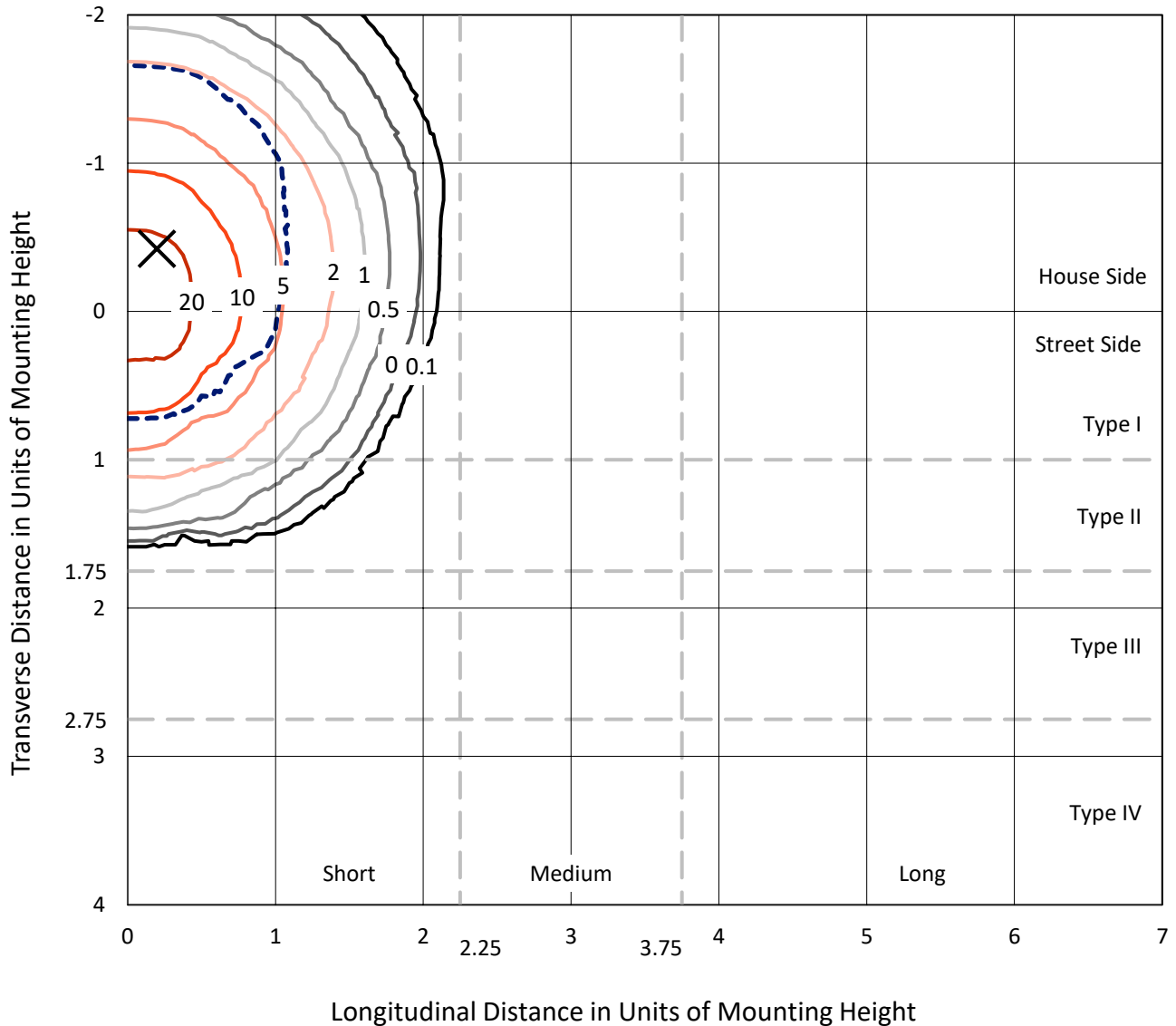




REPORT NUMBER: P638325  
 CATALOG NUMBER: IFLD-L-SA7C-722-U-LAM-VI

### Iso-Footcandle Lines of Horizontal Illumination

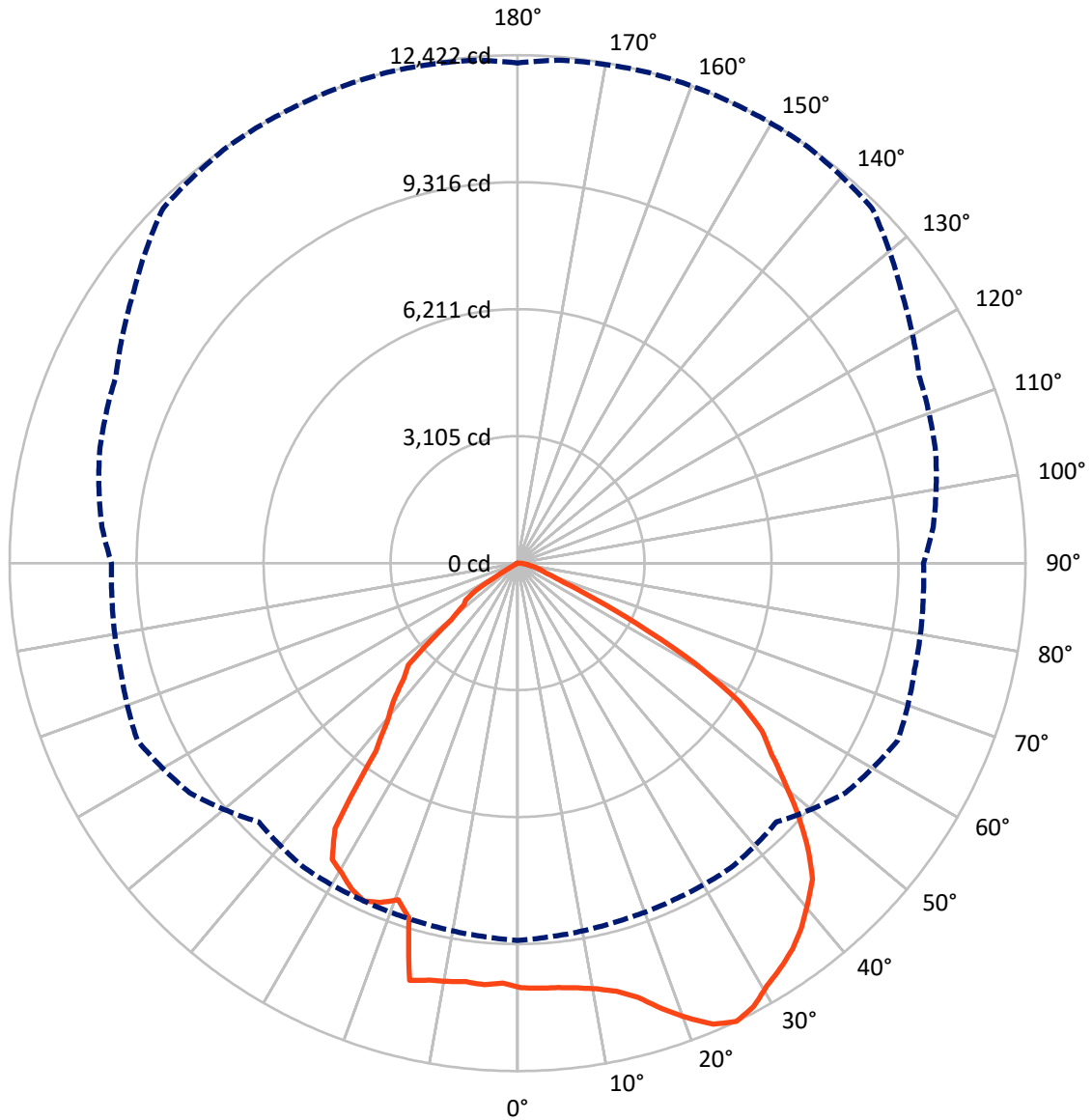
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 26 fc  
 Type I - Short - N/A

REPORT NUMBER: P638325  
CATALOG NUMBER: IFLD-L-SA7C-722-U-LAM-VI

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P638325  
 CATALOG NUMBER: IFLD-L-SA7C-722-U-LAM-VI

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	14900.1	0.0	14900.1
	% Fixture	61.9	0.0	61.9
<b>Street Side</b>	Lumens	9167.1	0.0	9167.1
	% Fixture	38.1	0.0	38.1
<b>Total</b>	Lumens	24067.3	0.0	24067.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	996.3	4.1
10°-20°	3042.0	12.6
20°-30°	4809.3	20.0
30°-40°	5432.5	22.6
40°-50°	5087.7	21.1
50°-60°	3507.6	14.6
60°-70°	942.4	3.9
70°-80°	196.4	0.8
80°-90°	53.1	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°	24067.3	100.0
0°-180°	24067.3	100.0



REPORT NUMBER: P638325

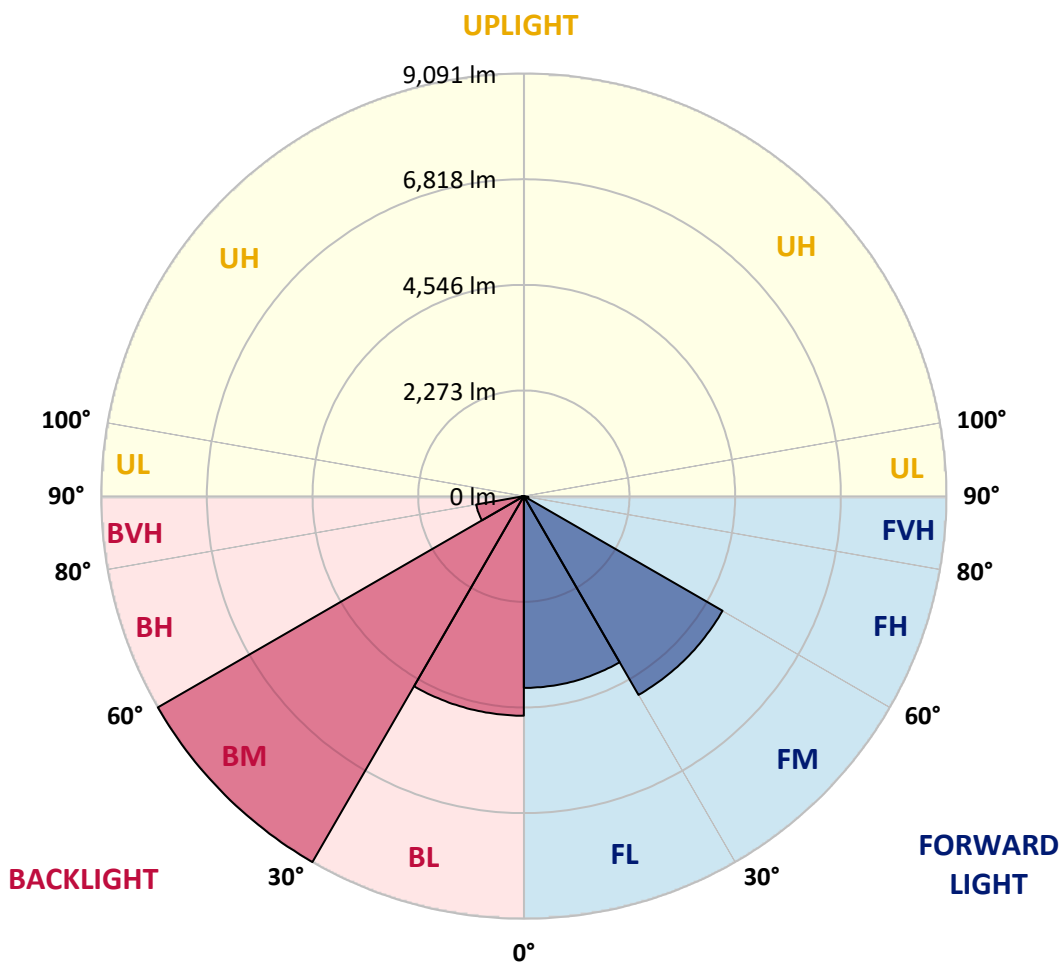
CATALOG NUMBER: IFLD-L-SA7C-722-U-LAM-VI

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4124.4	17.1			
FM (30°-60°)	4936.7	20.5			
FH (60°-80°)	98.9	0.4			G0/660
FVH (80°-90°)	7.1	0.0			G0/10
BL (0°-30°)	4723.2	19.6	B4/5000		
BM (30°-60°)	9091.0	37.8	B5		
BH (60°-80°)	1039.8	4.3	B3/2500		G3/2500
BVH (80°-90°)	46.0	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-G3**

Type I Short





REPORT NUMBER: P638325  
 CATALOG NUMBER: IFLD-L-SA7C-722-U-LAM-VI

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10384.6	10384.6	10384.6	10384.6	10384.6	10384.6	10384.6	10384.6	10384.6	10384.6
2.5°	10430.6	10363.4	10299.7	10278.5	10366.9	10462.4	10402.3	10405.8	10384.6	10423.5
5°	10508.4	10416.4	10374.0	10342.2	10356.3	10455.3	10370.5	10402.3	10366.9	10412.9
7.5°	10480.1	10416.4	10374.0	10313.9	10359.8	10476.6	10395.2	10398.7	10381.1	10423.5
10°	10462.4	10416.4	10363.4	10370.5	10423.5	10522.5	10458.9	10494.2	10469.5	10494.2
12.5°	10504.9	10455.3	10427.0	10427.0	10473.0	10586.2	10554.4	10586.2	10575.6	10596.8
15°	10105.2	10151.2	10420.0	10540.2	10632.2	10745.4	10731.2	10763.1	10770.1	10802.0
17.5°	8524.1	8478.2	8456.9	9075.9	10720.6	11070.8	11060.2	11056.6	11021.3	10996.5
20°	8732.8	8715.1	8690.4	8736.4	8920.3	11240.6	11311.3	10876.2	10748.9	10738.3
22.5°	9065.3	9037.0	8945.0	8948.6	9005.2	9772.7	10961.1	10565.0	10522.5	10497.8
25°	9228.0	9171.4	9097.1	9075.9	9093.6	8952.1	9790.4	10260.8	10052.1	9956.6
27.5°	8941.5	8945.0	8884.9	8941.5	8874.3	8237.6	7880.4	9666.6	9659.5	9617.1
30°	8725.8	8715.1	8644.4	8715.1	8251.8	7540.9	7388.8	9015.8	8941.5	8884.9
32.5°	8064.3	8071.4	8276.6	8552.4	7792.0	7229.6	6769.8	8053.7	8757.6	8725.8
35°	5768.8	5783.0	6511.6	7873.3	7095.2	6610.6	6575.3	6960.8	8467.6	8481.7
37.5°	5553.1	5553.1	5535.4	5758.2	6547.0	6359.5	6430.2	6391.3	7756.6	7792.0
40°	5397.4	5365.6	5340.9	4990.7	4552.1	6182.7	6232.2	6055.3	7332.2	7339.3
42.5°	5210.0	5174.6	5181.7	4534.4	4074.6	5744.1	5606.1	5369.1	6624.8	6631.9
45°	4866.9	4927.0	4969.5	3968.5	3933.1	4102.9	5171.1	5022.5	6147.3	6278.2
47.5°	2475.9	2528.9	3880.1	3650.2	3731.5	3646.6	4368.2	4371.7	5114.5	5549.5
50°	2246.0	2231.8	2235.4	2129.3	3445.0	2949.8	3158.5	4007.4	4095.8	4718.3
52.5°	2093.9	2090.4	1874.6	1665.9	2164.6	2596.1	2292.0	2900.3	3045.3	3996.8
55°	1549.2	1662.4	1478.5	1566.9	1354.7	2079.7	2069.1	2617.4	2666.9	3204.5
57.5°	14.1	17.7	42.4	1192.0	937.3	1039.9	1428.9	1786.2	1874.6	2497.1
60°	3.5	7.1	17.7	35.4	608.4	640.2	955.0	1032.8	1163.7	1489.1
62.5°	0.0	0.0	7.1	17.7	31.8	261.7	304.2	332.5	512.9	760.5
65°	0.0	0.0	3.5	10.6	17.7	42.4	74.3	155.6	222.8	275.9
67.5°	0.0	0.0	3.5	7.1	14.1	21.2	42.4	60.1	95.5	162.7
70°	0.0	0.0	3.5	7.1	10.6	17.7	28.3	42.4	56.6	81.4
72.5°	0.0	0.0	3.5	7.1	7.1	21.2	21.2	31.8	42.4	53.1
75°	0.0	0.0	3.5	3.5	7.1	14.1	21.2	24.8	28.3	42.4
77.5°	0.0	0.0	3.5	7.1	10.6	14.1	17.7	28.3	24.8	24.8
80°	0.0	0.0	3.5	10.6	10.6	17.7	21.2	28.3	17.7	17.7
82.5°	0.0	0.0	3.5	14.1	10.6	35.4	35.4	38.9	14.1	14.1
85°	0.0	0.0	10.6	7.1	21.2	35.4	31.8	21.2	17.7	10.6
87.5°	0.0	0.0	3.5	3.5	7.1	10.6	24.8	21.2	7.1	7.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P638325

CATALOG NUMBER: IFLD-L-SA7C-722-U-LAM-VI

**CANDELA DISTRIBUTION (continued):**

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
10384.6	0°	10384.6	10384.6	10384.6	10384.6	10384.6	10384.6	10384.6	10384.6	10384.6
10320.9	2.5°	10462.4	10416.4	10511.9	10501.3	10455.3	10434.1	10409.4	10388.1	10232.5
10328.0	5°	10466.0	10395.2	10511.9	10490.7	10483.6	10448.3	10427.0	10458.9	10317.4
10356.3	7.5°	10466.0	10395.2	10522.5	10529.6	10519.0	10490.7	10487.2	10508.4	10391.7
10405.8	10°	10536.7	10508.4	10614.5	10625.1	10611.0	10603.9	10586.2	10572.1	10448.3
10575.6	12.5°	10685.2	10628.7	10748.9	10780.7	10770.1	10787.8	10745.4	10766.6	10639.3
10748.9	15°	10865.6	10869.2	10961.1	11031.9	11024.8	11081.4	11017.7	11074.3	10982.4
10947.0	17.5°	11141.5	11180.4	11311.3	11417.4	11456.3	11498.8	11456.3	11474.0	11343.1
10727.7	20°	10851.5	10996.5	11626.1	11820.6	11902.0	11940.9	11870.1	11891.4	11760.5
10458.9	22.5°	10589.7	10777.2	11336.0	11944.4	12195.5	12273.4	12248.6	12245.1	12195.5
9928.3	25°	10204.2	10582.7	10833.8	11477.5	12266.3	12407.8	12421.9	12418.4	12344.1
9602.9	27.5°	9730.3	9815.1	10466.0	10858.6	11771.1	12308.7	12287.5	12184.9	12085.9
8927.4	30°	9125.4	9511.0	9804.5	10430.6	11130.9	12004.5	12004.5	11926.7	11824.2
8686.8	32.5°	8817.7	9316.4	9588.8	9815.1	10412.9	11665.0	11806.5	11725.1	11643.8
8499.4	35°	8655.0	8729.3	9365.9	9571.1	10076.9	11010.6	11583.6	11502.3	11442.2
8000.7	37.5°	8297.8	8471.1	8768.2	9316.4	9472.1	10476.6	11286.5	11244.1	11173.3
7353.4	40°	7502.0	7965.3	8421.6	8941.5	9104.2	9790.4	10925.8	10943.4	10847.9
6663.7	42.5°	7031.5	7346.3	8060.8	8411.0	8849.5	9348.3	10575.6	10603.9	10536.7
6313.5	45°	6479.8	6829.9	7332.2	7968.8	8566.6	8739.9	9956.6	10253.7	10197.1
5616.7	47.5°	5974.0	6256.9	6872.4	7516.1	8177.5	8152.8	9245.7	9804.5	9726.7
5082.7	50°	5256.0	5751.1	6041.2	6631.9	7618.7	7685.9	8488.8	9277.5	9213.9
4318.7	52.5°	4431.8	5054.4	5609.7	6150.8	7052.8	7211.9	7784.9	8739.9	8697.5
3300.0	55°	3873.0	4325.7	4951.8	5386.8	6366.6	6791.0	7257.9	8227.0	8205.8
2712.9	57.5°	2755.3	3629.0	4145.4	4753.7	5270.1	6037.6	6384.3	7183.6	6985.6
1503.2	60°	1867.5	2277.8	2907.4	3561.7	3908.4	4675.9	4997.8	5638.0	5584.9
898.4	62.5°	986.8	1365.3	1814.5	2143.4	2394.5	3140.8	3275.3	3965.0	3947.3
360.8	65°	435.0	576.5	983.3	1153.1	1411.3	1757.9	1874.6	2122.2	2062.1
176.8	67.5°	226.4	343.1	555.3	682.6	859.5	990.4	1085.9	1163.7	1213.2
116.7	70°	137.9	251.1	343.1	474.0	590.7	696.8	771.1	877.2	940.8
60.1	72.5°	102.6	159.2	237.0	364.3	428.0	551.8	626.0	703.9	760.5
49.5	75°	56.6	106.1	191.0	286.5	343.1	449.2	516.4	569.5	587.1
28.3	77.5°	35.4	81.4	159.2	222.8	268.8	364.3	346.6	396.1	438.6
21.2	80°	24.8	60.1	123.8	183.9	187.5	233.4	275.9	318.3	346.6
14.1	82.5°	17.7	49.5	92.0	141.5	123.8	180.4	215.8	247.6	180.4
10.6	85°	14.1	35.4	46.0	84.9	70.7	127.3	109.6	106.1	70.7
7.1	87.5°	10.6	17.7	31.8	38.9	28.3	28.3	35.4	42.4	35.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
10384.6  
10126.4  
10197.1  
10257.3  
10345.7  
10526.1  
10830.3  
11229.9  
11668.5  
12036.4  
*12230.9*  
12008.1  
11785.2  
11576.6  
11357.3  
11102.6  
10826.7  
10529.6  
10204.2  
9783.3  
9224.5  
8725.8  
8230.6  
6964.3  
5588.4  
3950.8  
2037.3  
1213.2  
944.4  
771.1  
576.5  
445.7  
350.2  
130.9  
70.7  
35.4  
0.0

(END OF REPORT)