

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: P638315

Luminaire Tested: **IFLD-S-SA6C-722-U-LAM-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P638315
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-722-U-LAM-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/
Lambertian distribution lens and Visor
Light Source: (96) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22558.5 lumens
Efficiency: N/A
Efficacy: 70.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G2

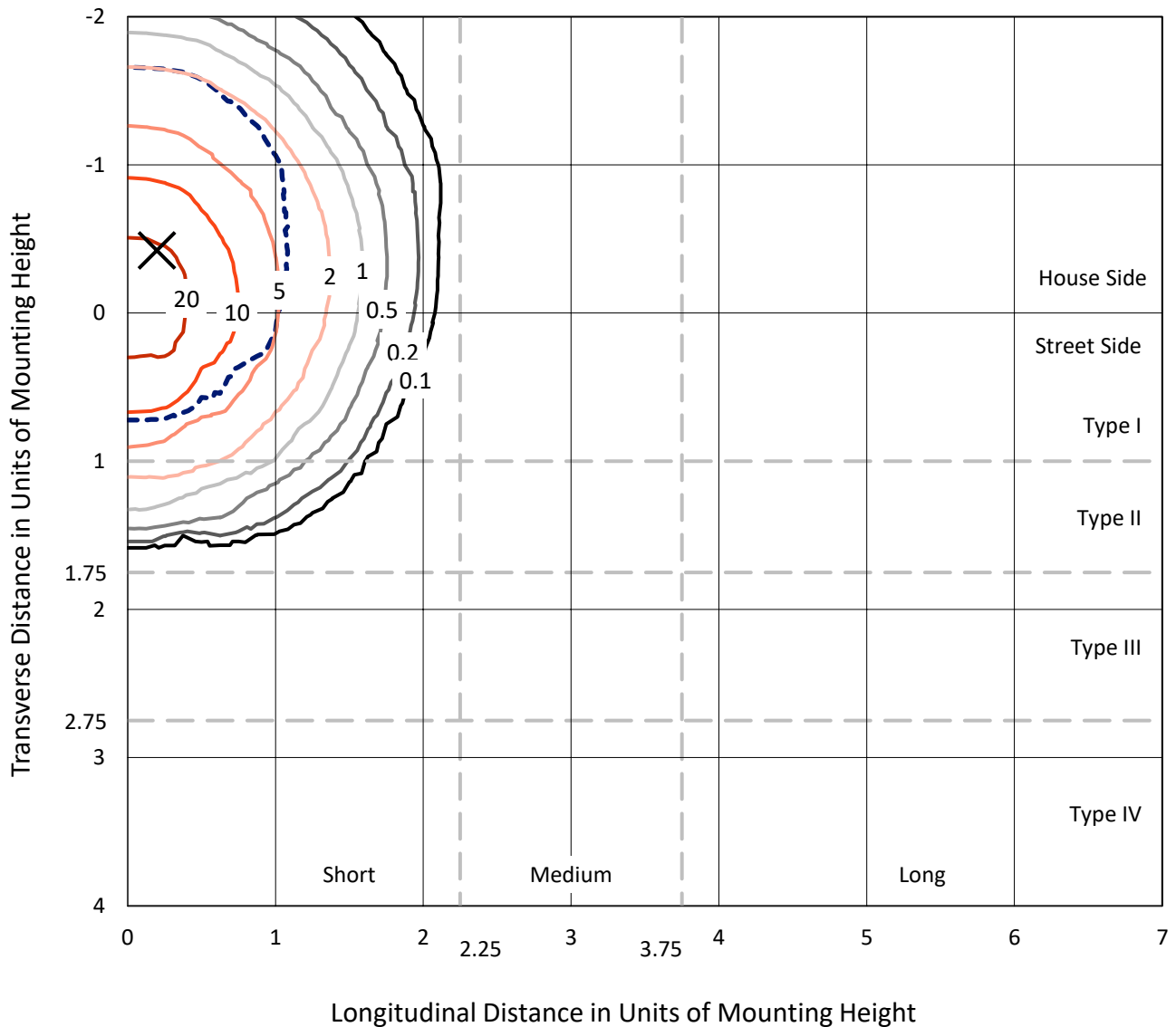
Input Watts (W): 321.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

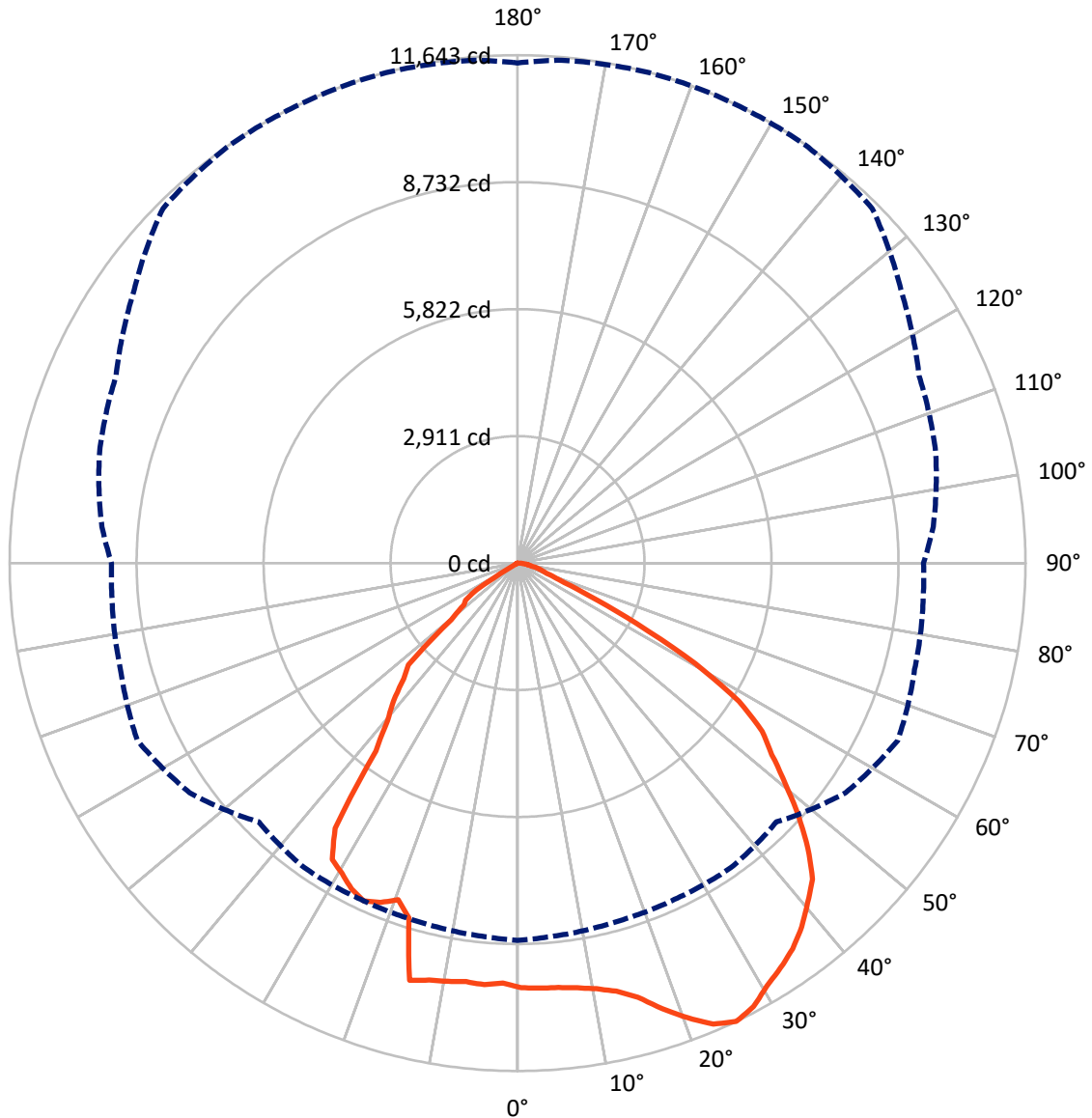
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 24.3 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
House Side	Lumens	13966.0	0.0	13966.0
	% Fixture	61.9	0.0	61.9
Street Side	Lumens	8592.5	0.0	8592.5
	% Fixture	38.1	0.0	38.1
Total	Lumens	22558.5	0.0	22558.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	933.8	4.1
10°-20°	2851.3	12.6
20°-30°	4507.8	20.0
30°-40°	5092.0	22.6
40°-50°	4768.7	21.1
50°-60°	3287.7	14.6
60°-70°	883.3	3.9
70°-80°	184.1	0.8
80°-90°	49.8	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°	22558.5	100.0
0°-180°	22558.5	100.0



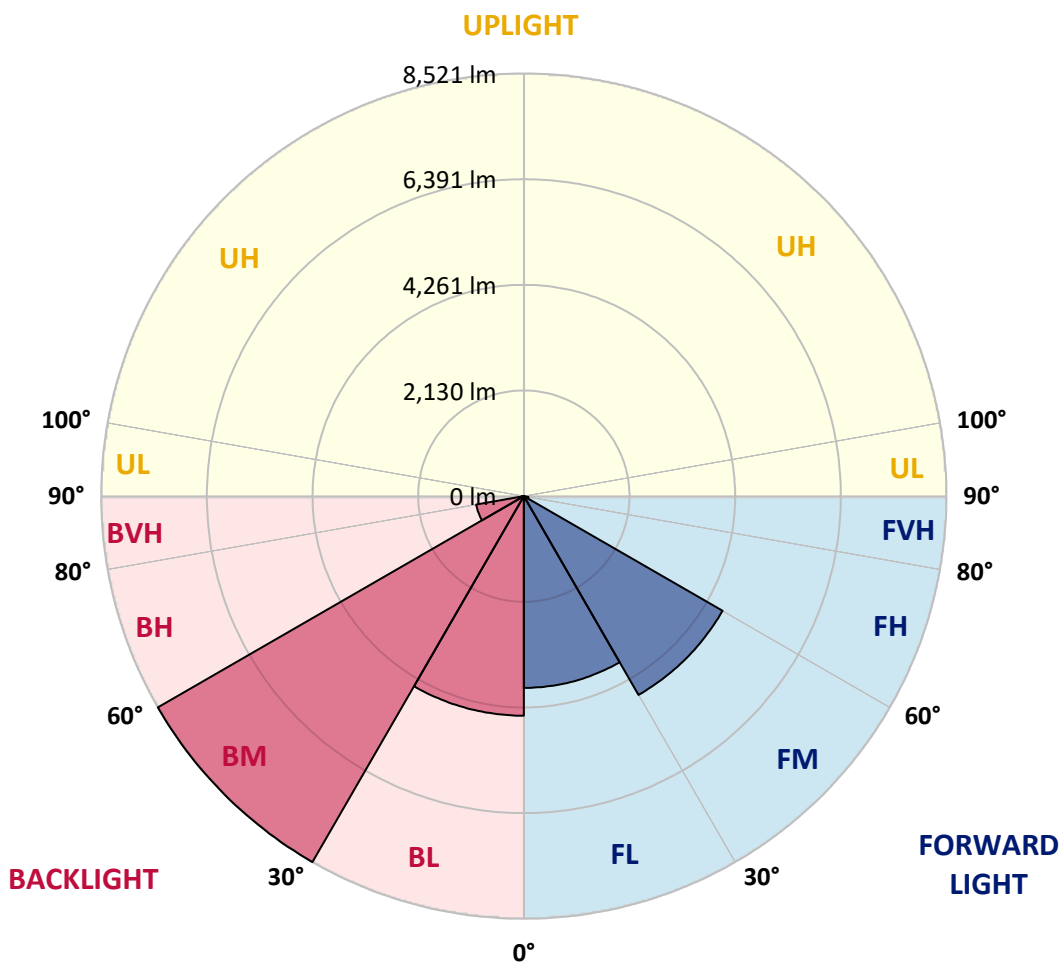
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3865.8	17.1			
FM (30°-60°)	4627.3	20.5			
FH (60°-80°)	92.7	0.4			G0/660
FVH (80°-90°)	6.7	0.0			G0/10
BL (0°-30°)	4427.2	19.6	B4/5000		
BM (30°-60°)	8521.1	37.8	B5		
BH (60°-80°)	974.6	4.3	B2/1000		G2/1000
BVH (80°-90°)	43.1	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-G2

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9733.6	9733.6	9733.6	9733.6	9733.6	9733.6	9733.6	9733.6	9733.6	9733.6
2.5°	9776.7	9713.7	9654.0	9634.1	9717.0	9806.5	9750.2	9753.5	9733.6	9770.1
5°	9849.6	9763.4	9723.7	9693.8	9707.1	9799.9	9720.3	9750.2	9717.0	9760.1
7.5°	9823.1	9763.4	9723.7	9667.3	9710.4	9819.8	9743.5	9746.9	9730.3	9770.1
10°	9806.5	9763.4	9713.7	9720.3	9770.1	9862.9	9803.2	9836.4	9813.2	9836.4
12.5°	9846.3	9799.9	9773.4	9773.4	9816.5	9922.6	9892.7	9922.6	9912.6	9932.5
15°	9471.7	9514.8	9766.8	9879.5	9965.7	10071.8	10058.5	10088.3	10095.0	10124.8
17.5°	7989.8	7946.7	7926.8	8507.0	10048.6	10376.8	10366.8	10363.5	10330.4	10307.1
20°	8185.4	8168.8	8145.6	8188.7	8361.1	10535.9	10602.2	10194.4	10075.1	10065.1
22.5°	8497.0	8470.5	8384.3	8387.6	8440.7	9160.1	10274.0	9902.7	9862.9	9839.7
25°	8649.5	8596.5	8526.8	8507.0	8523.5	8390.9	9176.6	9617.6	9422.0	9332.5
27.5°	8381.0	8384.3	8327.9	8381.0	8318.0	7721.2	7386.4	9060.6	9054.0	9014.2
30°	8178.7	8168.8	8102.5	8168.8	7734.5	7068.1	6925.6	8450.6	8381.0	8327.9
32.5°	7558.8	7565.4	7757.7	8016.3	7303.5	6776.4	6345.4	7548.8	8208.6	8178.7
35°	5407.2	5420.5	6103.4	7379.8	6650.4	6196.2	6163.1	6524.4	7936.7	7950.0
37.5°	5205.0	5205.0	5188.4	5397.2	6136.5	5960.8	6027.1	5990.7	7270.4	7303.5
40°	5059.1	5029.2	5006.0	4677.8	4266.7	5795.1	5841.5	5675.7	6872.5	6879.2
42.5°	4883.4	4850.2	4856.9	4250.2	3819.2	5384.0	5254.7	5032.6	6209.5	6216.1
45°	4561.8	4618.2	4657.9	3719.7	3686.6	3845.7	4846.9	4707.7	5761.9	5884.6
47.5°	2320.7	2370.4	3636.8	3421.3	3497.6	3418.0	4094.3	4097.7	4793.9	5201.6
50°	2105.2	2091.9	2095.2	1995.8	3229.1	2764.9	2960.5	3756.2	3839.1	4422.6
52.5°	1962.6	1959.3	1757.1	1561.5	2028.9	2433.4	2148.3	2718.5	2854.4	3746.2
55°	1452.1	1558.2	1385.8	1468.7	1269.7	1949.4	1939.4	2453.3	2499.7	3003.6
57.5°	13.3	16.6	39.8	1117.2	878.5	974.7	1339.4	1674.2	1757.1	2340.6
60°	3.3	6.6	16.6	33.2	570.2	600.1	895.1	968.1	1090.7	1395.7
62.5°	0.0	0.0	6.6	16.6	29.8	245.3	285.1	311.6	480.7	712.8
65°	0.0	0.0	3.3	9.9	16.6	39.8	69.6	145.9	208.9	258.6
67.5°	0.0	0.0	3.3	6.6	13.3	19.9	39.8	56.4	89.5	152.5
70°	0.0	0.0	3.3	6.6	9.9	16.6	26.5	39.8	53.0	76.3
72.5°	0.0	0.0	3.3	6.6	6.6	19.9	19.9	29.8	39.8	49.7
75°	0.0	0.0	3.3	3.3	6.6	13.3	19.9	23.2	26.5	39.8
77.5°	0.0	0.0	3.3	6.6	9.9	13.3	16.6	26.5	23.2	23.2
80°	0.0	0.0	3.3	9.9	9.9	16.6	19.9	26.5	16.6	16.6
82.5°	0.0	0.0	3.3	13.3	9.9	33.2	33.2	36.5	13.3	13.3
85°	0.0	0.0	9.9	6.6	19.9	33.2	29.8	19.9	16.6	9.9
87.5°	0.0	0.0	3.3	3.3	6.6	9.9	23.2	19.9	6.6	6.6
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°
9733.6	0°	9733.6	9733.6	9733.6	9733.6	9733.6	9733.6	9733.6	9733.6	9733.6
9673.9	2.5°	9806.5	9763.4	9853.0	9843.0	9799.9	9780.0	9756.8	9736.9	9591.0
9680.6	5°	9809.9	9743.5	9853.0	9833.1	9826.4	9793.3	9773.4	9803.2	9670.6
9707.1	7.5°	9809.9	9743.5	9862.9	9869.5	9859.6	9833.1	9829.7	9849.6	9740.2
9753.5	10°	9876.2	9849.6	9949.1	9959.0	9945.8	9939.2	9922.6	9909.3	9793.3
9912.6	12.5°	10015.4	9962.4	10075.1	10104.9	10095.0	10111.5	10071.8	10091.7	9972.3
10075.1	15°	10184.5	10187.8	10274.0	10340.3	10333.7	10386.7	10327.0	10380.1	10293.9
10260.7	17.5°	10443.1	10479.5	10602.2	10701.7	10738.1	10777.9	10738.1	10754.7	10632.0
10055.2	20°	10171.2	10307.1	10897.3	11079.6	11155.9	11192.3	11126.0	11145.9	11023.2
9803.2	22.5°	9925.9	10101.6	10625.4	11195.6	11431.0	11504.0	11480.7	11477.4	11431.0
9305.9	25°	9564.5	9919.3	10154.6	10758.0	11497.3	11629.9	11643.2	11639.9	11570.3
9000.9	27.5°	9120.3	9199.8	9809.9	10177.8	11033.2	11537.1	11517.2	11421.1	11328.2
8367.7	30°	8553.4	8914.7	9189.9	9776.7	10433.1	11252.0	11252.0	11179.1	11082.9
8142.3	32.5°	8264.9	8732.4	8987.7	9199.8	9760.1	10933.7	11066.3	10990.1	10913.8
7966.6	35°	8112.4	8182.1	8778.8	8971.1	9445.2	10320.4	10857.5	10781.2	10724.9
7499.1	37.5°	7777.6	7940.0	8218.5	8732.4	8878.3	9819.8	10579.0	10539.2	10472.9
6892.4	40°	7031.7	7466.0	7893.6	8381.0	8533.5	9176.6	10240.8	10257.4	10167.9
6246.0	42.5°	6590.7	6885.8	7555.5	7883.7	8294.8	8762.2	9912.6	9939.2	9876.2
5917.7	45°	6073.6	6401.8	6872.5	7469.3	8029.6	8192.0	9332.5	9610.9	9557.9
5264.6	47.5°	5599.5	5864.7	6441.6	7044.9	7664.9	7641.7	8666.1	9189.9	9117.0
4764.0	50°	4926.5	5390.6	5662.5	6216.1	7141.1	7204.1	7956.6	8695.9	8636.3
4047.9	52.5°	4154.0	4737.5	5258.0	5765.2	6610.6	6759.8	7296.9	8192.0	8152.2
3093.1	55°	3630.2	4054.6	4641.4	5049.1	5967.5	6365.3	6802.9	7711.3	7691.4
2542.8	57.5°	2582.6	3401.5	3885.5	4455.7	4939.7	5659.1	5984.0	6733.3	6547.6
1409.0	60°	1750.5	2135.0	2725.1	3338.5	3663.4	4382.8	4684.5	5284.5	5234.8
842.1	62.5°	925.0	1279.7	1700.7	2009.0	2244.4	2944.0	3069.9	3716.4	3699.8
338.2	65°	407.8	540.4	921.6	1080.8	1322.8	1647.7	1757.1	1989.2	1932.8
165.8	67.5°	212.2	321.6	520.5	639.8	805.6	928.3	1017.8	1090.7	1137.1
109.4	70°	129.3	235.4	321.6	444.2	553.6	653.1	722.7	822.2	881.9
56.4	72.5°	96.1	149.2	222.1	341.5	401.1	517.2	586.8	659.7	712.8
46.4	75°	53.0	99.5	179.0	268.5	321.6	421.0	484.0	533.8	550.3
26.5	77.5°	33.2	76.3	149.2	208.9	252.0	341.5	324.9	371.3	411.1
19.9	80°	23.2	56.4	116.0	172.4	175.7	218.8	258.6	298.4	324.9
13.3	82.5°	16.6	46.4	86.2	132.6	116.0	169.1	202.2	232.1	169.1
9.9	85°	13.3	33.2	43.1	79.6	66.3	119.3	102.8	99.5	66.3
6.6	87.5°	9.9	16.6	29.8	36.5	26.5	26.5	33.2	39.8	33.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
9733.6
9491.6
9557.9
9614.3
9697.1
9866.2
10151.3
10526.0
10937.0
11281.8
11464.2
11255.3
11046.4
10850.8
10645.3
10406.6
10148.0
9869.5
9564.5
9170.0
8646.2
8178.7
7714.6
6527.7
5238.1
3703.1
1909.6
1137.1
885.2
722.7
540.4
417.7
328.2
122.7
66.3
33.2
0.0

(END OF REPORT)