

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: P638449

Luminaire Tested: **IFLD-S-SA2B-750-U-LAM-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P638449  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2B-750-U-LAM-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/  
Lambertian distribution lens and Visor  
Light Source: (32) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8608 lumens  
Efficiency: N/A  
Efficacy: 104.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G1

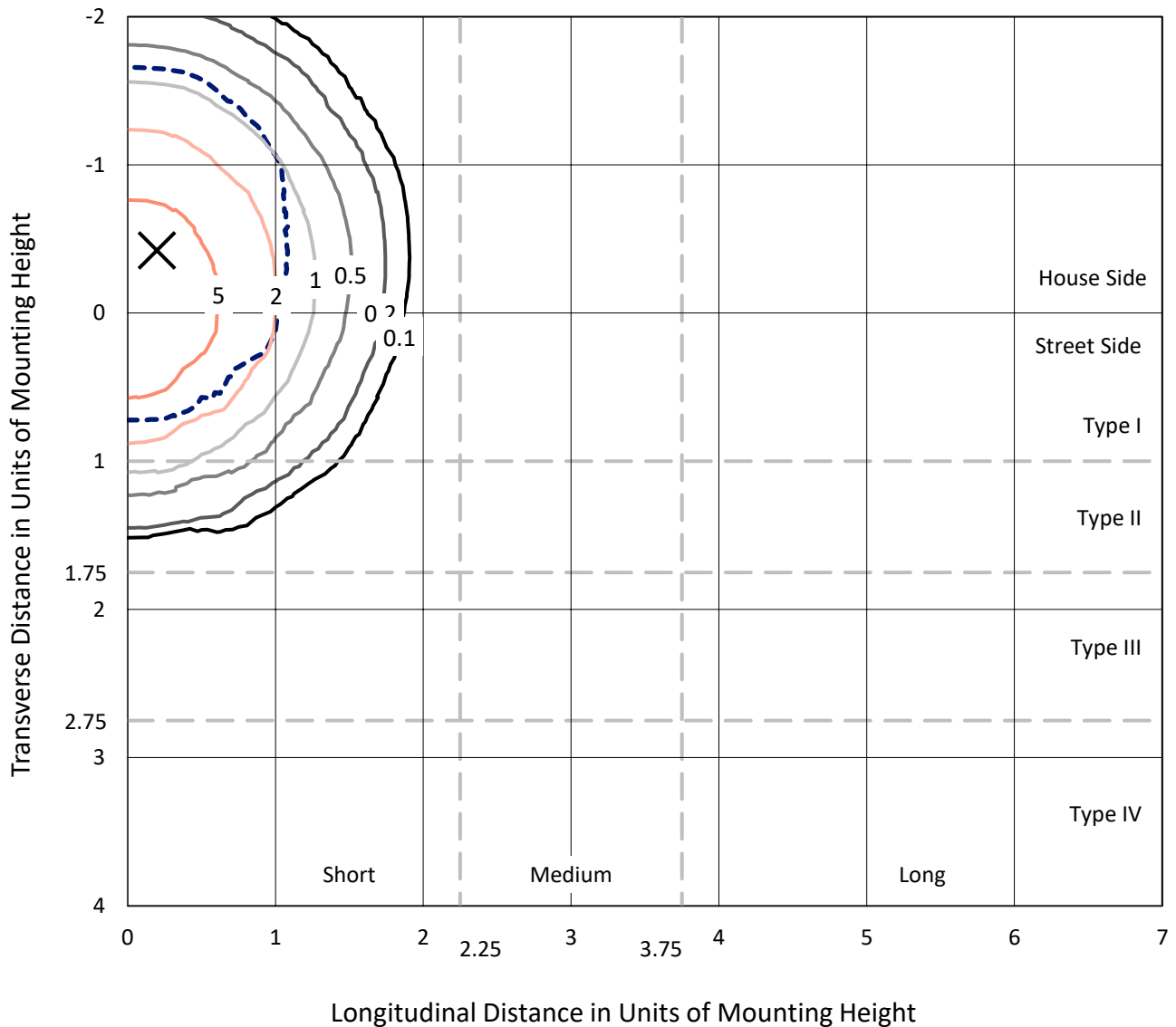
Input Watts (W): 82.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P638449  
 CATALOG NUMBER: IFLD-S-SA2B-750-U-LAM-VI

### Iso-Footcandle Lines of Horizontal Illumination

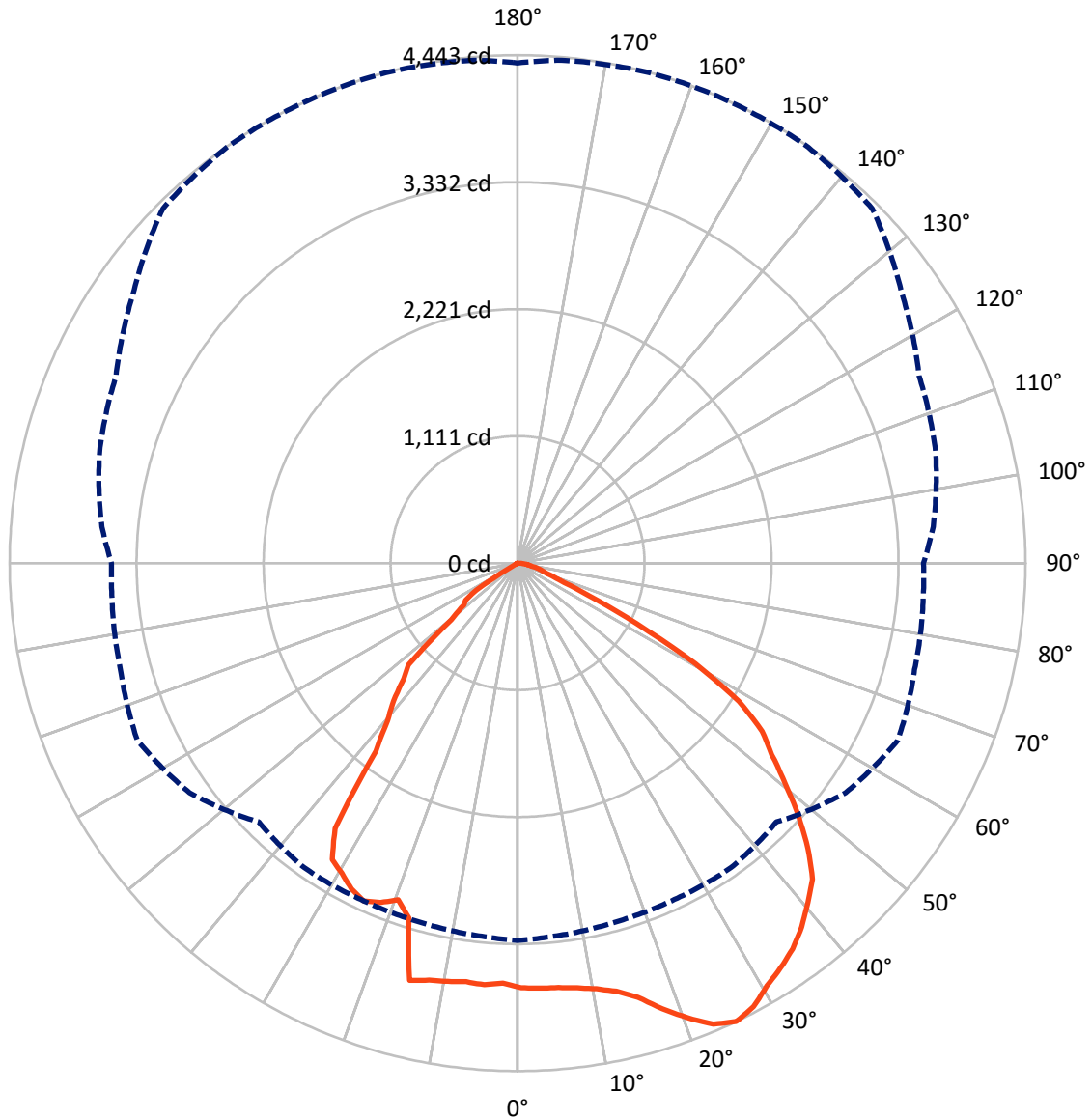
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.3 fc  
 Type I - Short - N/A

REPORT NUMBER: P638449  
CATALOG NUMBER: IFLD-S-SA2B-750-U-LAM-VI

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P638449  
 CATALOG NUMBER: IFLD-S-SA2B-750-U-LAM-VI

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5329.3	0.0	5329.3
	% Fixture	61.9	0.0	61.9
<b>Street Side</b>	Lumens	3278.8	0.0	3278.8
	% Fixture	38.1	0.0	38.1
<b>Total</b>	Lumens	8608.0	0.0	8608.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	356.3	4.1
10°-20°	1088.0	12.6
20°-30°	1720.1	20.0
30°-40°	1943.0	22.6
40°-50°	1819.7	21.1
50°-60°	1254.5	14.6
60°-70°	337.1	3.9
70°-80°	70.2	0.8
80°-90°	19.0	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°	8608.0	100.0
0°-180°	8608.0	100.0



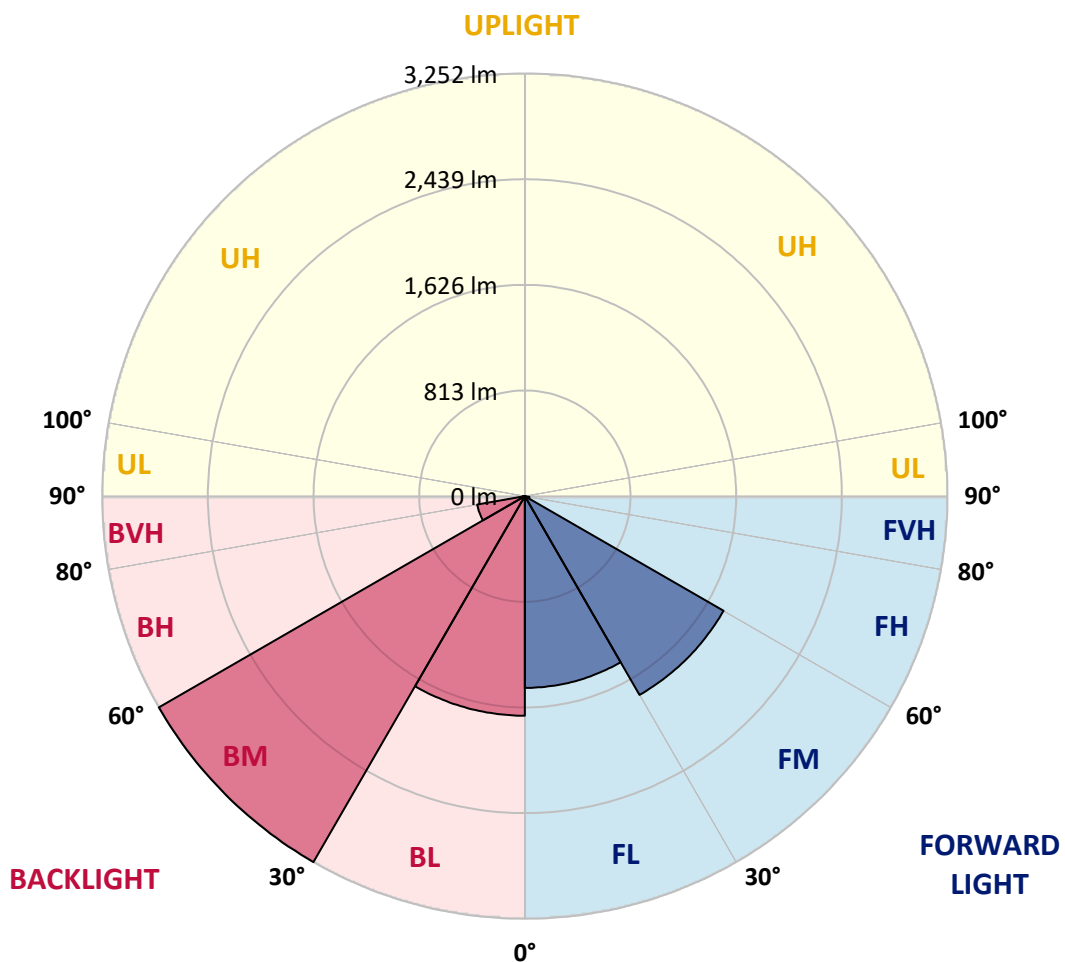
REPORT NUMBER: P638449  
 CATALOG NUMBER: IFLD-S-SA2B-750-U-LAM-VI

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1475.1	17.1			
FM (30°-60°)	1765.7	20.5			
FH (60°-80°)	35.4	0.4			G0/660
FVH (80°-90°)	2.6	0.0			G0/10
BL (0°-30°)	1689.3	19.6	B3/2500		
BM (30°-60°)	3251.5	37.8	B3/5000		
BH (60°-80°)	371.9	4.3	B1/500		G1/500
BVH (80°-90°)	16.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type I Short





REPORT NUMBER: P638449  
 CATALOG NUMBER: IFLD-S-SA2B-750-U-LAM-VI

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3714.2	3714.2	3714.2	3714.2	3714.2	3714.2	3714.2	3714.2	3714.2	3714.2
2.5°	3730.7	3706.6	3683.8	3676.3	3707.9	3742.0	3720.5	3721.8	3714.2	3728.1
5°	3758.5	3725.6	3710.4	3699.0	3704.1	3739.5	3709.1	3720.5	3707.9	3724.3
7.5°	3748.4	3725.6	3710.4	3688.9	3705.4	3747.1	3718.0	3719.3	3712.9	3728.1
10°	3742.0	3725.6	3706.6	3709.1	3728.1	3763.5	3740.8	3753.4	3744.6	3753.4
12.5°	3757.2	3739.5	3729.4	3729.4	3745.8	3786.3	3774.9	3786.3	3782.5	3790.1
15°	3614.3	3630.7	3726.9	3769.9	3802.8	3843.2	3838.2	3849.6	3852.1	3863.5
17.5°	3048.8	3032.3	3024.8	3246.1	3834.4	3959.6	3955.8	3954.6	3941.9	3933.1
20°	3123.4	3117.1	3108.2	3124.7	3190.5	4020.4	4045.7	3890.1	3844.5	3840.7
22.5°	3242.3	3232.2	3199.3	3200.6	3220.8	3495.4	3920.4	3778.7	3763.5	3754.7
25°	3300.5	3280.3	3253.7	3246.1	3252.5	3201.9	3501.7	3669.9	3595.3	3561.1
27.5°	3198.1	3199.3	3177.8	3198.1	3174.0	2946.3	2818.5	3457.4	3454.9	3439.7
30°	3120.9	3117.1	3091.8	3117.1	2951.4	2697.1	2642.7	3224.6	3198.1	3177.8
32.5°	2884.3	2886.9	2960.2	3058.9	2786.9	2585.8	2421.3	2880.5	3132.3	3120.9
35°	2063.3	2068.4	2329.0	2816.0	2537.7	2364.4	2351.7	2489.6	3028.5	3033.6
37.5°	1986.1	1986.1	1979.8	2059.5	2341.6	2274.6	2299.9	2286.0	2774.3	2786.9
40°	1930.5	1919.1	1910.2	1785.0	1628.1	2211.3	2229.0	2165.8	2622.5	2625.0
42.5°	1863.4	1850.8	1853.3	1621.8	1457.3	2054.5	2005.1	1920.4	2369.5	2372.0
45°	1740.7	1762.2	1777.4	1419.4	1406.7	1467.5	1849.5	1796.4	2198.7	2245.5
47.5°	885.5	904.5	1387.8	1305.5	1334.6	1304.3	1562.3	1563.6	1829.3	1984.9
50°	803.3	798.3	799.5	761.6	1232.2	1055.1	1129.7	1433.3	1464.9	1687.6
52.5°	748.9	747.6	670.5	595.8	774.2	928.6	819.8	1037.3	1089.2	1429.5
55°	554.1	594.6	528.8	560.4	484.5	743.9	740.1	936.1	953.9	1146.1
57.5°	5.1	6.3	15.2	426.3	335.2	371.9	511.1	638.9	670.5	893.1
60°	1.3	2.5	6.3	12.7	217.6	229.0	341.6	369.4	416.2	532.6
62.5°	0.0	0.0	2.5	6.3	11.4	93.6	108.8	118.9	183.4	272.0
65°	0.0	0.0	1.3	3.8	6.3	15.2	26.6	55.7	79.7	98.7
67.5°	0.0	0.0	1.3	2.5	5.1	7.6	15.2	21.5	34.2	58.2
70°	0.0	0.0	1.3	2.5	3.8	6.3	10.1	15.2	20.2	29.1
72.5°	0.0	0.0	1.3	2.5	2.5	7.6	7.6	11.4	15.2	19.0
75°	0.0	0.0	1.3	1.3	2.5	5.1	7.6	8.9	10.1	15.2
77.5°	0.0	0.0	1.3	2.5	3.8	5.1	6.3	10.1	8.9	8.9
80°	0.0	0.0	1.3	3.8	3.8	6.3	7.6	10.1	6.3	6.3
82.5°	0.0	0.0	1.3	5.1	3.8	12.7	12.7	13.9	5.1	5.1
85°	0.0	0.0	3.8	2.5	7.6	12.7	11.4	7.6	6.3	3.8
87.5°	0.0	0.0	1.3	1.3	2.5	3.8	8.9	7.6	2.5	2.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P638449

CATALOG NUMBER: IFLD-S-SA2B-750-U-LAM-VI

**CANDELA DISTRIBUTION (continued):**

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
3714.2	0°	3714.2	3714.2	3714.2	3714.2	3714.2	3714.2	3714.2	3714.2	3714.2
3691.4	2.5°	3742.0	3725.6	3759.8	3756.0	3739.5	3731.9	3723.1	3715.5	3659.8
3694.0	5°	3743.3	3718.0	3759.8	3752.2	3749.6	3737.0	3729.4	3740.8	3690.2
3704.1	7.5°	3743.3	3718.0	3763.5	3766.1	3762.3	3752.2	3750.9	3758.5	3716.7
3721.8	10°	3768.6	3758.5	3796.4	3800.2	3795.2	3792.6	3786.3	3781.3	3737.0
3782.5	12.5°	3821.7	3801.5	3844.5	3855.9	3852.1	3858.4	3843.2	3850.8	3805.3
3844.5	15°	3886.3	3887.5	3920.4	3945.7	3943.2	3963.4	3940.7	3960.9	3928.0
3915.4	17.5°	3984.9	3998.8	4045.7	4083.6	4097.5	4112.7	4097.5	4103.8	4057.0
3836.9	20°	3881.2	3933.1	4158.2	4227.8	4256.9	4270.8	4245.5	4253.1	4206.3
3740.8	22.5°	3787.6	3854.6	4054.5	4272.1	4361.9	4389.8	4380.9	4379.6	4361.9
3551.0	25°	3649.7	3785.1	3874.9	4105.1	4387.2	4437.8	4442.9	4441.6	4415.1
3434.6	27.5°	3480.2	3510.5	3743.3	3883.7	4210.1	4402.4	4394.8	4358.1	4322.7
3193.0	30°	3263.8	3401.7	3506.7	3730.7	3981.1	4293.6	4293.6	4265.8	4229.1
3107.0	32.5°	3153.8	3332.2	3429.6	3510.5	3724.3	4172.2	4222.8	4193.7	4164.6
3039.9	35°	3095.6	3122.2	3349.9	3423.2	3604.1	3938.1	4143.1	4114.0	4092.5
2861.6	37.5°	2967.8	3029.8	3136.1	3332.2	3387.8	3747.1	4036.8	4021.6	3996.3
2630.1	40°	2683.2	2848.9	3012.1	3198.1	3256.3	3501.7	3907.8	3914.1	3879.9
2383.4	42.5°	2514.9	2627.5	2883.1	3008.3	3165.2	3343.5	3782.5	3792.6	3768.6
2258.1	45°	2317.6	2442.8	2622.5	2850.2	3064.0	3126.0	3561.1	3667.4	3647.2
2008.9	47.5°	2136.7	2237.9	2458.0	2688.2	2924.8	2916.0	3306.9	3506.7	3478.9
1817.9	50°	1879.9	2057.0	2160.7	2372.0	2724.9	2749.0	3036.1	3318.2	3295.5
1544.6	52.5°	1585.1	1807.8	2006.4	2199.9	2522.5	2579.5	2784.4	3126.0	3110.8
1180.3	55°	1385.2	1547.2	1771.1	1926.7	2277.1	2428.9	2595.9	2942.5	2934.9
970.3	57.5°	985.5	1297.9	1482.6	1700.2	1884.9	2159.5	2283.4	2569.3	2498.5
537.6	60°	668.0	814.7	1039.9	1273.9	1397.9	1672.4	1787.5	2016.5	1997.5
321.3	62.5°	353.0	488.3	649.0	766.6	856.4	1123.4	1171.4	1418.1	1411.8
129.0	65°	155.6	206.2	351.7	412.4	504.8	628.7	670.5	759.0	737.5
63.3	67.5°	81.0	122.7	198.6	244.2	307.4	354.2	388.4	416.2	433.9
41.7	70°	49.3	89.8	122.7	169.5	211.3	249.2	275.8	313.7	336.5
21.5	72.5°	36.7	56.9	84.8	130.3	153.1	197.3	223.9	251.7	272.0
17.7	75°	20.2	38.0	68.3	102.5	122.7	160.7	184.7	203.7	210.0
10.1	77.5°	12.7	29.1	56.9	79.7	96.1	130.3	124.0	141.7	156.9
7.6	80°	8.9	21.5	44.3	65.8	67.0	83.5	98.7	113.9	124.0
5.1	82.5°	6.3	17.7	32.9	50.6	44.3	64.5	77.2	88.6	64.5
3.8	85°	5.1	12.7	16.4	30.4	25.3	45.5	39.2	38.0	25.3
2.5	87.5°	3.8	6.3	11.4	13.9	10.1	10.1	12.7	15.2	12.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
3714.2  
3621.9  
3647.2  
3668.7  
3700.3  
3764.8  
3873.6  
4016.6  
4173.4  
4305.0  
4374.6  
4294.9  
4215.2  
4140.5  
4062.1  
3971.0  
3872.3  
3766.1  
3649.7  
3499.1  
3299.3  
3120.9  
2943.8  
2490.9  
1998.8  
1413.1  
728.7  
433.9  
337.8  
275.8  
206.2  
159.4  
125.2  
46.8  
25.3  
12.7  
0.0

(END OF REPORT)