

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: P638483

Luminaire Tested: **IFLD-S-SA3B-760-U-LAM-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P638483  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3B-760-U-LAM-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/  
Lambertian distribution lens and Visor  
Light Source: (48) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12828.5 lumens  
Efficiency: N/A  
Efficacy: 104.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G2

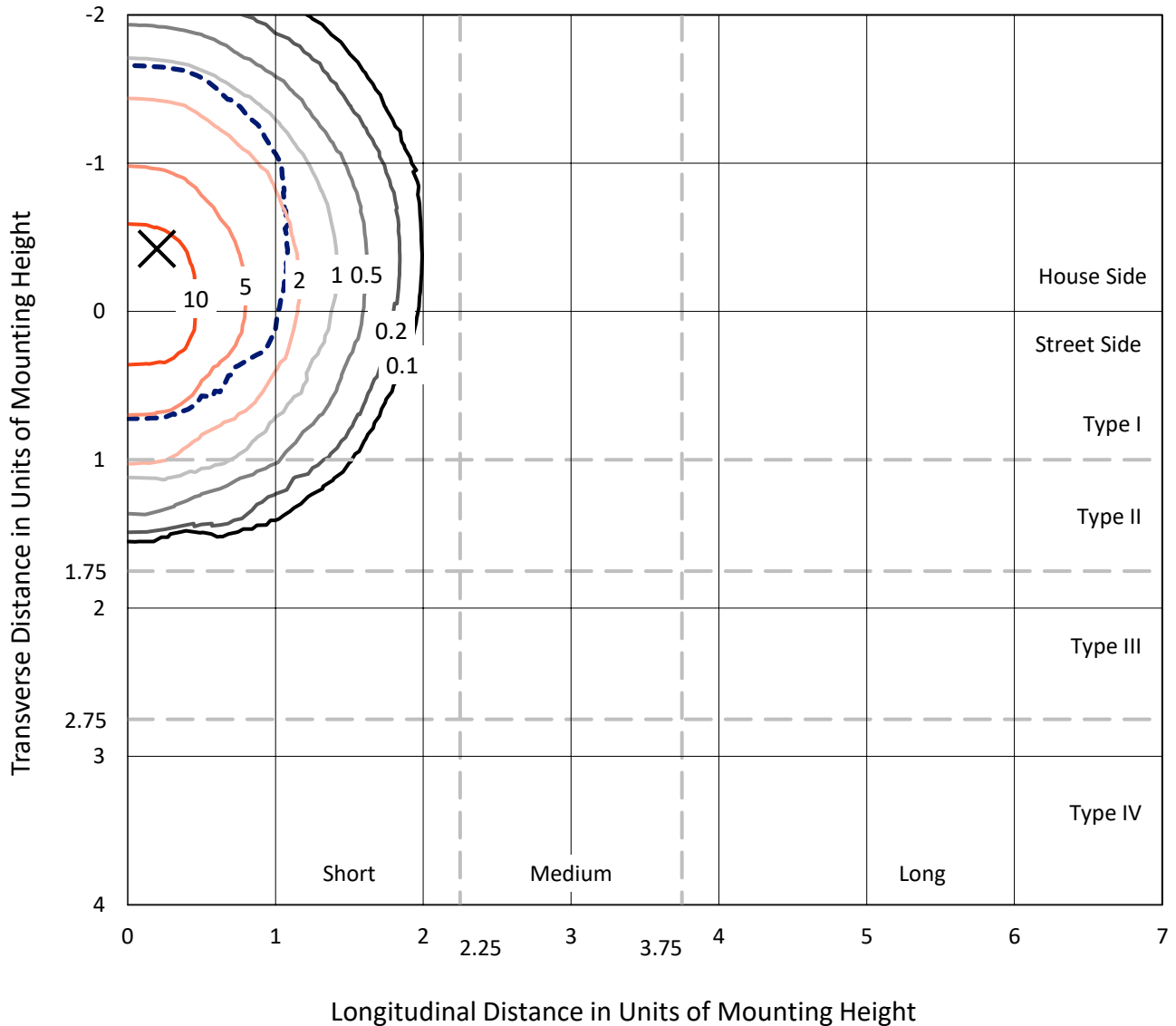
Input Watts (W): 122.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P638483  
 CATALOG NUMBER: IFLD-S-SA3B-760-U-LAM-VI

### Iso-Footcandle Lines of Horizontal Illumination

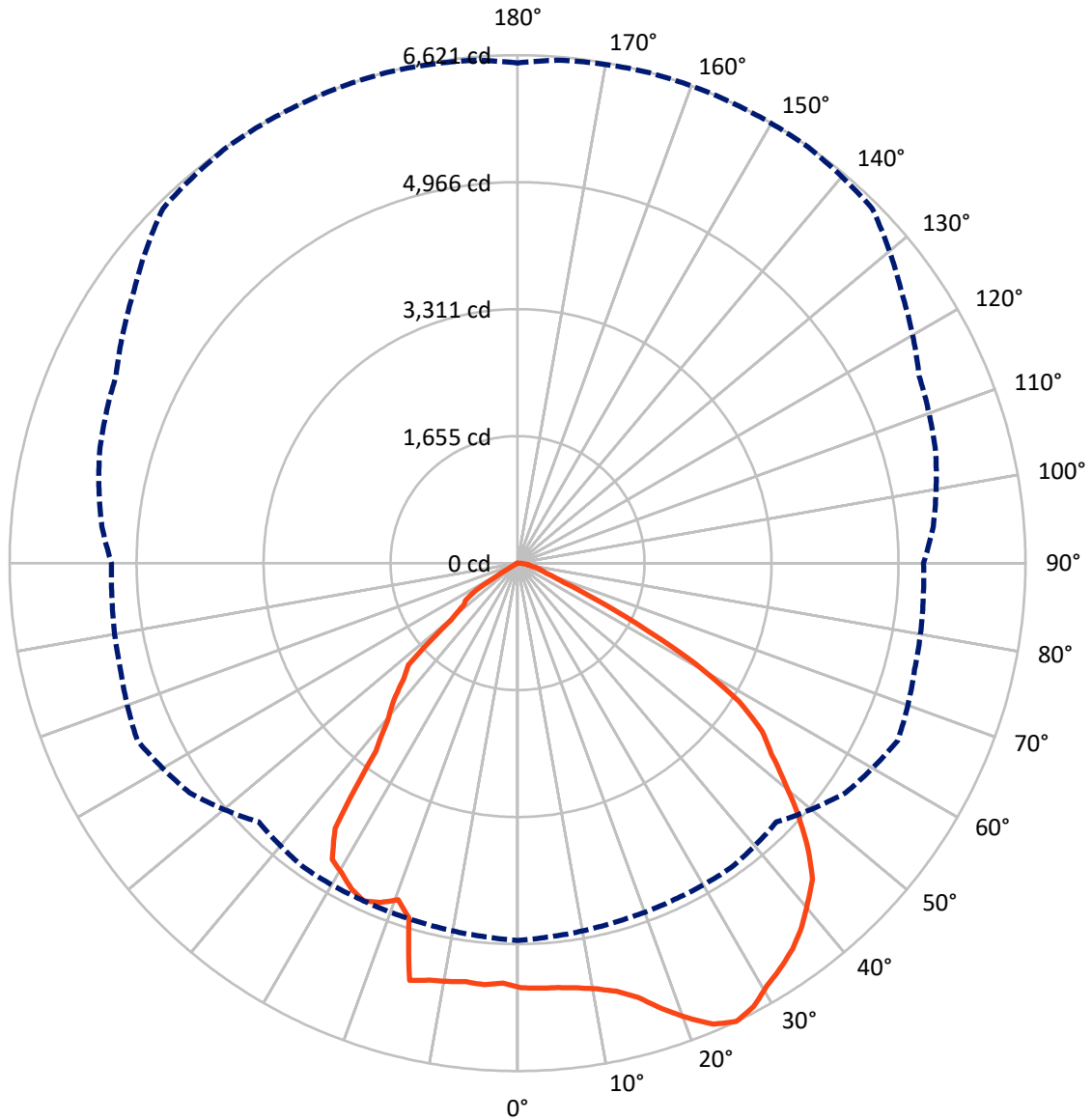
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 13.8 fc  
 Type I - Short - N/A

REPORT NUMBER: P638483  
CATALOG NUMBER: IFLD-S-SA3B-760-U-LAM-VI

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P638483  
 CATALOG NUMBER: IFLD-S-SA3B-760-U-LAM-VI

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7942.2	0.0	7942.2
	% Fixture	61.9	0.0	61.9
<b>Street Side</b>	Lumens	4886.4	0.0	4886.4
	% Fixture	38.1	0.0	38.1
<b>Total</b>	Lumens	12828.5	0.0	12828.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	531.0	4.1
10°-20°	1621.5	12.6
20°-30°	2563.5	20.0
30°-40°	2895.7	22.6
40°-50°	2711.9	21.1
50°-60°	1869.6	14.6
60°-70°	502.3	3.9
70°-80°	104.7	0.8
80°-90°	28.3	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°	12828.5	100.0
0°-180°	12828.5	100.0



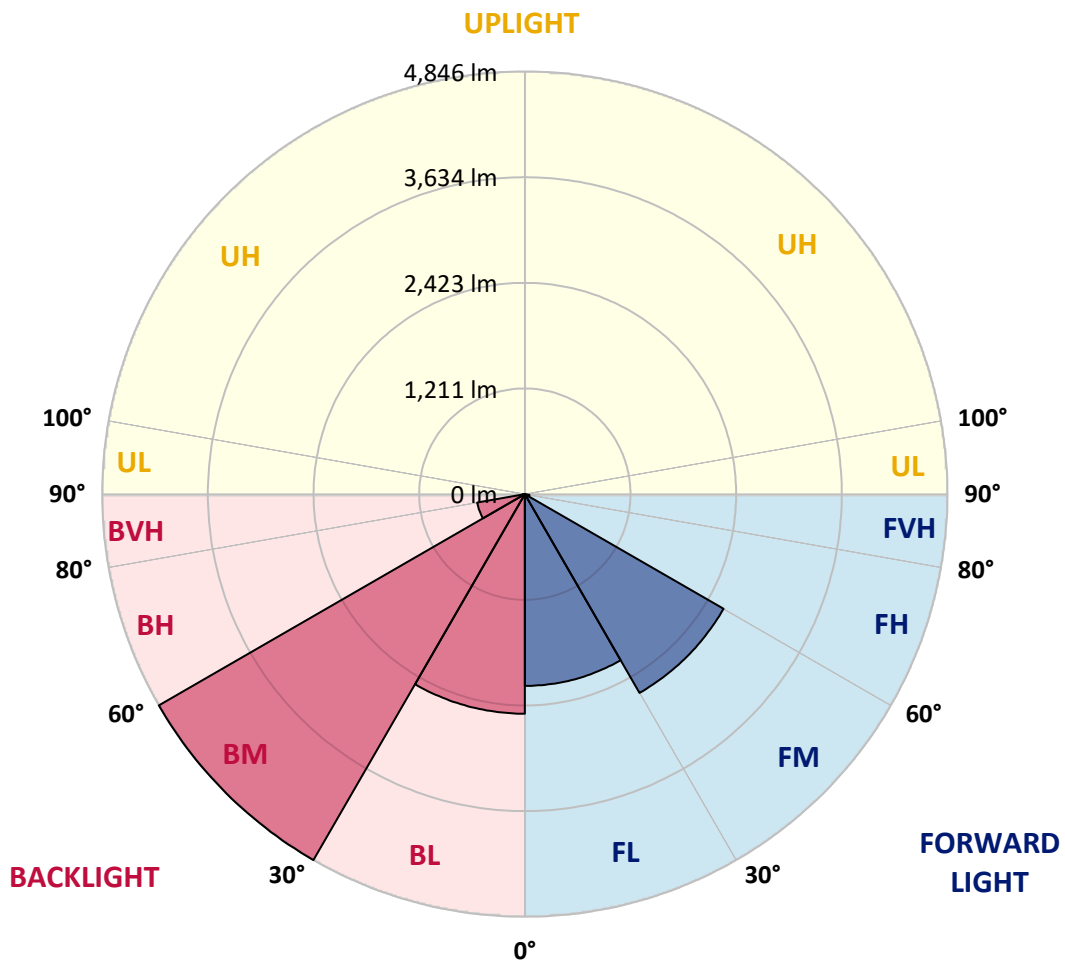
REPORT NUMBER: P638483  
 CATALOG NUMBER: IFLD-S-SA3B-760-U-LAM-VI

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2198.4	17.1			
FM (30°-60°)	2631.4	20.5			
FH (60°-80°)	52.7	0.4			G0/660
FVH (80°-90°)	3.8	0.0			G0/10
BL (0°-30°)	2517.6	19.6	B4/5000		
BM (30°-60°)	4845.8	37.8	B3/5000		
BH (60°-80°)	554.3	4.3	B2/1000		G2/1000
BVH (80°-90°)	24.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type I Short





REPORT NUMBER: P638483  
 CATALOG NUMBER: IFLD-S-SA3B-760-U-LAM-VI

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5535.3	5535.3	5535.3	5535.3	5535.3	5535.3	5535.3	5535.3	5535.3	5535.3
2.5°	5559.8	5524.0	5490.0	5478.7	5525.8	5576.8	5544.7	5546.6	5535.3	5556.0
5°	5601.3	5552.2	5529.6	5512.7	5520.2	5573.0	5527.7	5544.7	5525.8	5550.4
7.5°	5586.2	5552.2	5529.6	5497.6	5522.1	5584.3	5540.9	5542.8	5533.4	5556.0
10°	5576.8	5552.2	5524.0	5527.7	5556.0	5608.8	5574.9	5593.7	5580.5	5593.7
12.5°	5599.4	5573.0	5557.9	5557.9	5582.4	5642.7	5625.8	5642.7	5637.1	5648.4
15°	5386.3	5410.8	5554.1	5618.2	5667.2	5727.6	5720.0	5737.0	5740.8	5757.7
17.5°	4543.6	4519.1	4507.8	4837.7	5714.4	5901.0	5895.4	5893.5	5874.6	5861.4
20°	4654.8	4645.4	4632.2	4656.7	4754.8	5991.5	6029.2	5797.3	5729.5	5723.8
22.5°	4832.1	4817.0	4768.0	4769.8	4800.0	5209.1	5842.6	5631.4	5608.8	5595.6
25°	4918.8	4888.6	4849.0	4837.7	4847.1	4771.7	5218.5	5469.3	5358.1	5307.2
27.5°	4766.1	4768.0	4735.9	4766.1	4730.2	4390.9	4200.5	5152.6	5148.8	5126.2
30°	4651.1	4645.4	4607.7	4645.4	4398.4	4019.5	3938.4	4805.7	4766.1	4735.9
32.5°	4298.5	4302.3	4411.6	4558.7	4153.3	3853.6	3608.5	4292.9	4668.0	4651.1
35°	3074.9	3082.5	3470.9	4196.7	3781.9	3523.6	3504.8	3710.3	4513.4	4521.0
37.5°	2959.9	2959.9	2950.5	3069.3	3489.7	3389.8	3427.5	3406.8	4134.5	4153.3
40°	2877.0	2860.0	2846.8	2660.2	2426.4	3295.5	3321.9	3227.7	3908.3	3912.0
42.5°	2777.1	2758.2	2762.0	2417.0	2171.9	3061.7	2988.2	2861.9	3531.2	3535.0
45°	2594.2	2626.2	2648.9	2115.3	2096.5	2187.0	2756.3	2677.1	3276.7	3346.4
47.5°	1319.7	1348.0	2068.2	1945.6	1989.0	1943.8	2328.4	2330.2	2726.2	2958.1
50°	1197.2	1189.6	1191.5	1135.0	1836.3	1572.3	1683.6	2136.1	2183.2	2515.0
52.5°	1116.1	1114.2	999.2	888.0	1153.8	1383.8	1221.7	1546.0	1623.3	2130.4
55°	825.8	886.1	788.1	835.2	722.1	1108.6	1102.9	1395.1	1421.5	1708.1
57.5°	7.5	9.4	22.6	635.3	499.6	554.3	761.7	952.1	999.2	1331.0
60°	1.9	3.8	9.4	18.9	324.3	341.2	509.0	550.5	620.3	793.7
62.5°	0.0	0.0	3.8	9.4	17.0	139.5	162.1	177.2	273.4	405.3
65°	0.0	0.0	1.9	5.7	9.4	22.6	39.6	83.0	118.8	147.1
67.5°	0.0	0.0	1.9	3.8	7.5	11.3	22.6	32.1	50.9	86.7
70°	0.0	0.0	1.9	3.8	5.7	9.4	15.1	22.6	30.2	43.4
72.5°	0.0	0.0	1.9	3.8	3.8	11.3	11.3	17.0	22.6	28.3
75°	0.0	0.0	1.9	1.9	3.8	7.5	11.3	13.2	15.1	22.6
77.5°	0.0	0.0	1.9	3.8	5.7	7.5	9.4	15.1	13.2	13.2
80°	0.0	0.0	1.9	5.7	5.7	9.4	11.3	15.1	9.4	9.4
82.5°	0.0	0.0	1.9	7.5	5.7	18.9	18.9	20.7	7.5	7.5
85°	0.0	0.0	5.7	3.8	11.3	18.9	17.0	11.3	9.4	5.7
87.5°	0.0	0.0	1.9	1.9	3.8	5.7	13.2	11.3	3.8	3.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P638483

CATALOG NUMBER: IFLD-S-SA3B-760-U-LAM-VI

**CANDELA DISTRIBUTION (continued):**

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
5535.3	0°	5535.3	5535.3	5535.3	5535.3	5535.3	5535.3	5535.3	5535.3	5535.3
5501.3	2.5°	5576.8	5552.2	5603.1	5597.5	5573.0	5561.7	5548.5	5537.2	5454.2
5505.1	5°	5578.6	5540.9	5603.1	5591.8	5588.1	5569.2	5557.9	5574.9	5499.5
5520.2	7.5°	5578.6	5540.9	5608.8	5612.6	5606.9	5591.8	5589.9	5601.3	5539.0
5546.6	10°	5616.3	5601.3	5657.8	5663.5	5655.9	5652.2	5642.7	5635.2	5569.2
5637.1	12.5°	5695.5	5665.4	5729.5	5746.4	5740.8	5750.2	5727.6	5738.9	5671.0
5729.5	15°	5791.7	5793.6	5842.6	5880.3	5876.5	5906.7	5872.7	5902.9	5853.9
5835.0	17.5°	5938.7	5959.5	6029.2	6085.8	6106.5	6129.1	6106.5	6115.9	6046.2
5718.1	20°	5784.1	5861.4	6197.0	6300.7	6344.1	6364.8	6327.1	6338.4	6268.7
5574.9	22.5°	5644.6	5744.5	6042.4	6366.7	6500.6	6542.0	6528.8	6526.9	6500.6
5292.1	25°	5439.1	5640.9	5774.7	6117.8	6538.3	6613.7	6621.2	6619.3	6579.7
5118.6	27.5°	5186.5	5231.7	5578.6	5787.9	6274.3	6560.9	6549.6	6494.9	6442.1
4758.5	30°	4864.1	5069.6	5226.1	5559.8	5933.1	6398.7	6398.7	6357.3	6302.6
4630.3	32.5°	4700.1	4965.9	5111.1	5231.7	5550.4	6217.8	6293.2	6249.8	6206.4
4530.4	35°	4613.4	4652.9	4992.3	5101.7	5371.3	5869.0	6174.4	6131.0	6099.0
4264.6	37.5°	4422.9	4515.3	4673.7	4965.9	5048.9	5584.3	6016.0	5993.4	5955.7
3919.6	40°	3998.7	4245.7	4488.9	4766.1	4852.8	5218.5	5823.7	5833.2	5782.2
3551.9	42.5°	3748.0	3915.8	4296.6	4483.3	4717.0	4982.9	5637.1	5652.2	5616.3
3365.3	45°	3453.9	3640.5	3908.3	4247.6	4566.2	4658.6	5307.2	5465.5	5435.4
2993.9	47.5°	3184.3	3335.1	3663.2	4006.3	4358.8	4345.6	4928.2	5226.1	5184.6
2709.2	50°	2801.6	3065.5	3220.1	3535.0	4061.0	4096.8	4524.7	4945.2	4911.2
2302.0	52.5°	2362.3	2694.1	2990.1	3278.6	3759.3	3844.1	4149.6	4658.6	4636.0
1759.0	55°	2064.4	2305.7	2639.4	2871.3	3393.6	3619.8	3868.7	4385.2	4373.9
1446.0	57.5°	1468.7	1934.3	2209.6	2533.9	2809.1	3218.2	3403.0	3829.1	3723.5
801.3	60°	995.4	1214.1	1549.7	1898.5	2083.3	2492.4	2663.9	3005.2	2976.9
478.9	62.5°	526.0	727.7	967.2	1142.5	1276.4	1674.2	1745.8	2113.4	2104.0
192.3	65°	231.9	307.3	524.1	614.6	752.2	937.0	999.2	1131.2	1099.1
94.3	67.5°	120.7	182.9	296.0	363.9	458.1	527.9	578.8	620.3	646.7
62.2	70°	73.5	133.9	182.9	252.6	314.8	371.4	411.0	467.6	501.5
32.1	72.5°	54.7	84.8	126.3	194.2	228.1	294.1	333.7	375.2	405.3
26.4	75°	30.2	56.6	101.8	152.7	182.9	239.4	275.3	303.5	313.0
15.1	77.5°	18.9	43.4	84.8	118.8	143.3	194.2	184.8	211.2	233.8
11.3	80°	13.2	32.1	66.0	98.0	99.9	124.4	147.1	169.7	184.8
7.5	82.5°	9.4	26.4	49.0	75.4	66.0	96.2	115.0	132.0	96.2
5.7	85°	7.5	18.9	24.5	45.2	37.7	67.9	58.4	56.6	37.7
3.8	87.5°	5.7	9.4	17.0	20.7	15.1	15.1	18.9	22.6	18.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
5535.3  
5397.6  
5435.4  
5467.4  
5514.5  
5610.7  
5772.8  
5985.9  
6219.6  
6415.7  
**6519.4**  
6400.6  
6281.9  
6170.6  
6053.7  
5918.0  
5770.9  
5612.6  
5439.1  
5214.8  
4916.9  
4651.1  
4387.1  
3712.2  
2978.8  
2105.9  
1085.9  
646.7  
503.4  
411.0  
307.3  
237.5  
186.6  
69.8  
37.7  
18.9  
0.0

(END OF REPORT)