

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: P637124

Luminaire Tested: **IFLD-S-SA6A-740-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P637124  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6A-740-U-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (96) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26841 lumens  
Efficiency: N/A  
Efficacy: 141.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

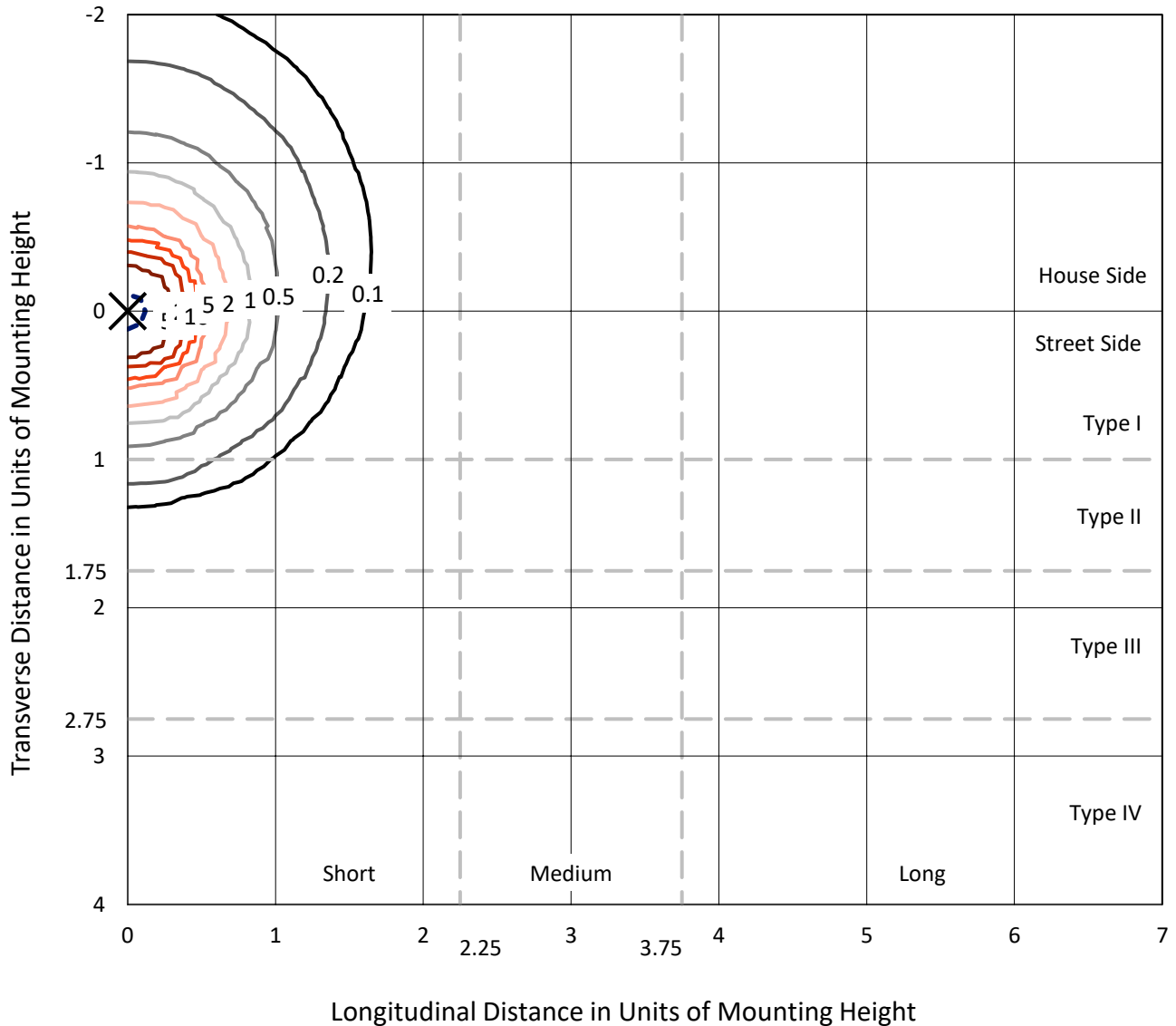
Input Watts (W): 189.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

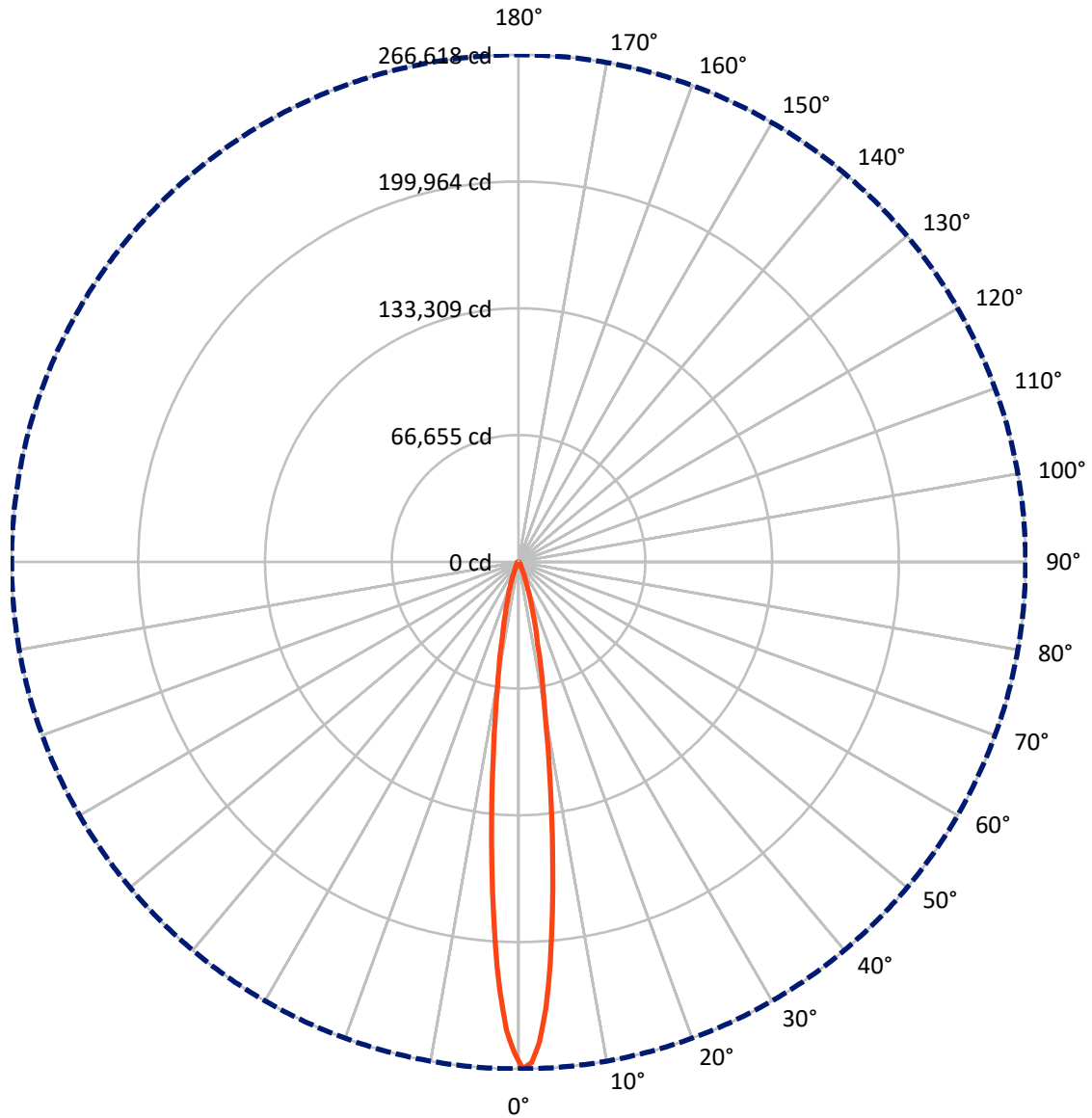
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 666.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 0-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13747.5	0.0	13747.5
	% Fixture	51.2	0.0	51.2
<b>Street Side</b>	Lumens	13093.5	0.0	13093.5
	% Fixture	48.8	0.0	48.8
<b>Total</b>	Lumens	26841.0	0.0	26841.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13550.1	50.5
10°-20°	8674.7	32.3
20°-30°	2607.5	9.7
30°-40°	849.0	3.2
40°-50°	494.0	1.8
50°-60°	328.1	1.2
60°-70°	197.5	0.7
70°-80°	101.5	0.4
80°-90°	38.6	0.1
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°	26841.0	100.0
0°-180°	26841.0	100.0

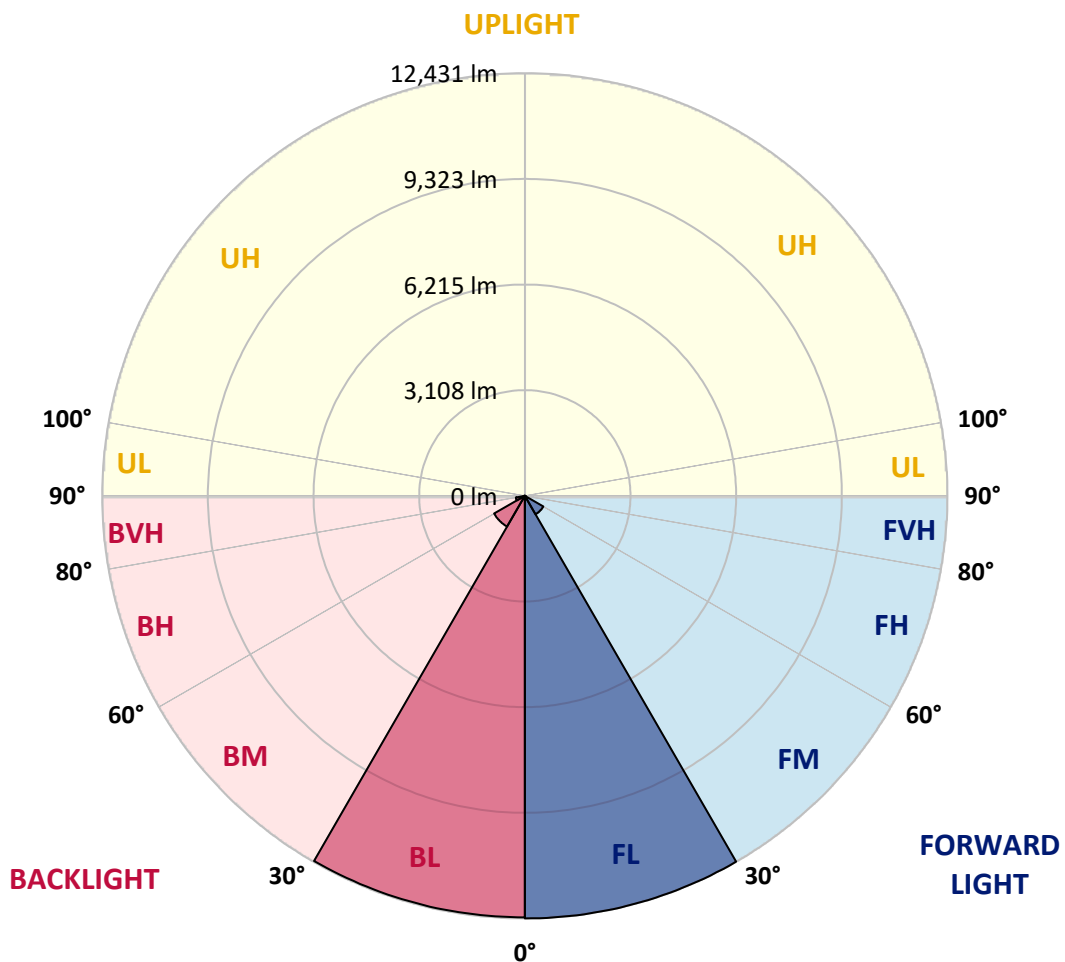


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	12430.9	46.3			
FM (30°-60°)	627.3	2.3			
FH (60°-80°)	29.5	0.1			G0/660
FVH (80°-90°)	5.8	0.0			G0/10
BL (0°-30°)	12401.4	46.2	B5		
BM (30°-60°)	1043.8	3.9	B2/2500		
BH (60°-80°)	269.5	1.0	B1/500		G0/660
BVH (80°-90°)	32.7	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G1**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	266618.2	266618.2	266618.2	266618.2	266618.2	266618.2	266618.2	266618.2	266618.2	266618.2
1°	263425.8	262621.9	260546.3	262022.6	263320.6	262943.5	262917.2	262776.8	262581.0	264118.7
2°	252895.7	252375.3	249305.7	250571.6	252416.3	251071.5	251913.4	251173.8	251188.4	253024.3
3°	235144.7	235428.3	230531.6	232832.3	235396.1	232136.5	233148.0	235048.3	233057.4	232458.1
4°	212073.2	209611.6	206936.7	209275.4	209939.1	208041.8	209906.9	212233.9	209468.4	209591.2
5°	185733.2	183914.8	180748.8	182192.9	180547.1	181146.4	183941.1	184900.0	182970.6	180541.2
6°	158650.7	157358.6	153400.3	155481.7	154897.0	154557.9	158086.5	155163.1	156215.5	154745.0
7°	131965.8	129551.0	127607.0	129600.7	129729.4	128709.1	133290.1	132758.0	130843.2	130398.8
8°	109335.6	106926.8	105280.9	106766.0	107736.5	106134.5	108289.1	109704.0	108207.2	108341.7
9°	88184.8	87760.9	85471.8	87413.0	88468.3	86752.3	89137.8	89649.4	88249.1	88930.2
10°	72407.1	71913.0	70085.9	70872.3	72620.5	70574.1	72863.1	73029.8	71913.0	72231.7
12.5°	44745.8	44547.0	44497.3	44611.3	44587.9	44950.4	45535.1	44868.5	44780.8	43678.7
15°	28921.3	29216.6	28912.6	29497.2	29582.0	29924.1	29567.4	29029.5	28003.4	27494.7
17.5°	18049.2	18426.3	18946.6	19803.2	20659.8	20759.2	20285.6	19654.1	19157.1	18613.4
20°	10384.0	10568.1	10489.2	11515.3	13731.3	14333.5	13722.5	13058.9	12459.6	11910.0
22.5°	6452.0	6384.7	6507.5	6852.5	7574.6	9436.8	8936.9	8273.3	7837.7	7384.5
25°	3955.4	4028.5	3981.7	4171.7	4496.2	5285.5	5399.5	5113.0	4890.9	4657.0
27.5°	2546.3	2546.3	2566.8	2672.0	2894.2	2867.9	3475.9	3253.8	3133.9	3019.9
30°	1768.7	1774.5	1774.5	1835.9	1885.6	1797.9	1955.8	2242.3	2186.7	2099.0
32.5°	1312.6	1330.2	1344.8	1376.9	1336.0	1242.5	1280.5	1613.7	1581.6	1549.4
35°	999.8	1014.4	1049.5	1067.0	1008.6	950.1	915.0	1186.9	1201.5	1192.8
37.5°	727.9	736.7	801.0	868.3	801.0	748.4	727.9	912.1	982.3	973.5
40°	558.4	561.3	573.0	649.0	649.0	608.1	613.9	681.2	803.9	803.9
42.5°	479.4	479.4	491.1	479.4	482.4	526.2	540.8	549.6	681.2	681.2
45°	415.1	415.1	421.0	391.7	362.5	453.1	464.8	467.7	573.0	587.6
47.5°	347.9	347.9	359.6	321.6	307.0	359.6	391.7	400.5	494.1	505.8
50°	257.3	260.2	295.3	263.1	271.9	277.7	339.1	345.0	418.0	444.4
52.5°	172.5	172.5	178.3	204.6	236.8	228.0	274.8	295.3	333.3	368.4
55°	140.3	140.3	137.4	131.6	175.4	190.0	201.7	245.6	271.9	315.7
57.5°	96.5	102.3	93.5	108.2	114.0	143.2	152.0	192.9	207.6	266.0
60°	11.7	14.6	20.5	78.9	76.0	96.5	114.0	152.0	169.6	204.6
62.5°	2.9	2.9	5.8	14.6	52.6	64.3	90.6	105.2	122.8	157.9
65°	0.0	0.0	2.9	5.8	11.7	35.1	46.8	61.4	87.7	111.1
67.5°	0.0	0.0	2.9	5.8	5.8	14.6	23.4	38.0	46.8	81.9
70°	0.0	0.0	2.9	5.8	5.8	11.7	14.6	17.5	32.2	43.9
72.5°	0.0	0.0	2.9	5.8	8.8	11.7	14.6	14.6	14.6	29.2
75°	0.0	0.0	2.9	5.8	8.8	11.7	14.6	14.6	11.7	11.7
77.5°	0.0	0.0	2.9	5.8	11.7	14.6	17.5	14.6	8.8	8.8
80°	0.0	0.0	2.9	8.8	14.6	20.5	23.4	17.5	8.8	5.8
82.5°	0.0	0.0	5.8	11.7	17.5	23.4	32.2	26.3	11.7	5.8
85°	0.0	0.0	2.9	8.8	17.5	23.4	46.8	32.2	14.6	2.9
87.5°	0.0	0.0	0.0	2.9	2.9	5.8	17.5	11.7	5.8	2.9
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°
266618.2	0°	266618.2	266618.2	266618.2	266618.2	266618.2	266618.2	266618.2	266618.2
262344.2	1°	264177.1	264361.3	263759.1	264691.7	264364.2	262446.5	261812.1	261060.8
251945.6	2°	251173.8	252112.2	252159.0	253193.9	253179.3	250942.9	250250.0	251527.5
233674.3	3°	232966.8	234060.1	233075.0	234913.8	234361.3	231648.3	230943.8	232393.8
210561.7	4°	209933.2	209725.7	209386.5	208340.0	209629.2	207778.7	206384.2	208351.6
183762.8	5°	183394.5	182932.6	182271.9	181962.0	182920.9	181736.9	178869.0	181742.7
157405.3	6°	157598.3	155610.4	155513.9	155341.4	155437.9	152122.7	152321.5	154461.5
128869.9	7°	130232.2	130597.6	129852.2	131047.8	130135.7	127890.5	127025.2	129279.2
108932.2	8°	108172.1	107710.2	107140.2	108926.4	107344.8	105871.4	104862.8	106643.2
89041.3	9°	88874.7	88076.6	87497.8	87407.1	87652.7	84887.1	85448.4	86796.1
72407.1	10°	72433.4	71123.7	71442.4	71527.1	71258.2	69445.7	69463.2	69928.0
44409.6	12.5°	44251.7	43608.6	43769.3	43857.0	44403.7	43766.4	42866.0	42217.0
28000.4	15°	27813.4	27351.5	28295.7	28930.1	28801.5	28234.3	27810.4	27222.8
18613.4	17.5°	18440.9	19046.0	19049.0	19627.8	19686.3	19119.1	18791.7	18262.6
12105.9	20°	12062.0	12313.4	12836.7	13246.0	13482.8	13050.1	12658.4	12295.9
7548.3	22.5°	7548.3	7986.8	8314.2	8846.2	9062.6	8746.9	8469.1	8173.9
4712.5	25°	4633.6	4946.4	5218.3	5680.2	5975.5	5823.4	5569.1	5361.5
3043.3	27.5°	3090.0	3221.6	3356.1	3674.7	3981.7	3896.9	3794.6	3668.9
2145.8	30°	2177.9	2189.6	2332.9	2511.2	2715.9	2768.5	2721.7	2657.4
1575.7	32.5°	1605.0	1651.7	1719.0	1830.1	1967.5	2093.2	2069.8	2040.5
1204.4	35°	1239.5	1309.7	1365.2	1450.0	1523.1	1643.0	1663.4	1654.7
991.0	37.5°	1011.5	1072.9	1128.4	1178.1	1239.5	1321.4	1385.7	1388.6
818.6	40°	839.0	894.6	967.6	1005.7	1049.5	1110.9	1189.8	1195.7
692.8	42.5°	707.5	760.1	833.2	879.9	912.1	970.6	1049.5	1061.2
593.5	45°	608.1	640.2	716.2	771.8	803.9	841.9	926.7	938.4
511.6	47.5°	529.1	561.3	608.1	687.0	716.2	751.3	818.6	839.0
453.1	50°	464.8	497.0	537.9	608.1	651.9	681.2	736.7	765.9
394.7	52.5°	412.2	444.4	488.2	543.8	593.5	619.8	672.4	710.4
321.6	55°	345.0	400.5	432.7	482.4	549.6	573.0	613.9	663.6
280.6	57.5°	301.1	347.9	394.7	435.6	502.8	532.1	573.0	619.8
222.2	60°	254.3	298.2	353.7	388.8	453.1	491.1	535.0	578.8
169.6	62.5°	201.7	260.2	298.2	347.9	409.3	459.0	494.1	537.9
131.6	65°	149.1	213.4	257.3	309.9	368.4	421.0	450.2	497.0
93.5	67.5°	108.2	166.6	219.3	269.0	324.5	377.1	406.4	447.3
58.5	70°	84.8	122.8	181.3	225.1	283.6	327.4	359.6	385.9
38.0	72.5°	49.7	93.5	146.2	195.9	248.5	277.7	301.1	324.5
17.5	75°	32.2	73.1	119.9	163.7	201.7	228.0	248.5	269.0
8.8	77.5°	20.5	52.6	96.5	137.4	154.9	187.1	204.6	216.3
5.8	80°	11.7	40.9	84.8	111.1	125.7	146.2	163.7	178.3
5.8	82.5°	8.8	35.1	70.2	93.5	93.5	116.9	125.7	125.7
2.9	85°	5.8	29.2	55.5	87.7	70.2	87.7	81.9	81.9
2.9	87.5°	5.8	20.5	26.3	38.0	32.2	38.0	38.0	43.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
266618.2  
258084.7  
246116.3  
225953.5  
201230.2  
174171.1  
148258.0  
123148.8  
101559.4  
82586.4  
66764.9  
41822.3  
26921.7  
18131.0  
12170.2  
8016.0  
5241.7  
3595.8  
2613.5  
2017.2  
1625.4  
1368.2  
1186.9  
1052.4  
935.5  
841.9  
768.9  
710.4  
666.5  
622.7  
590.5  
558.4  
505.8  
450.2  
394.7  
330.3  
269.0  
210.5  
160.8  
116.9  
78.9  
43.9  
0.0

(END OF REPORT)