

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: P637005

Luminaire Tested: **IFLD-S-SA3C-722-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P637005  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3C-722-U-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (48) 2200K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15516.5 lumens  
Efficiency: N/A  
Efficacy: 96.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

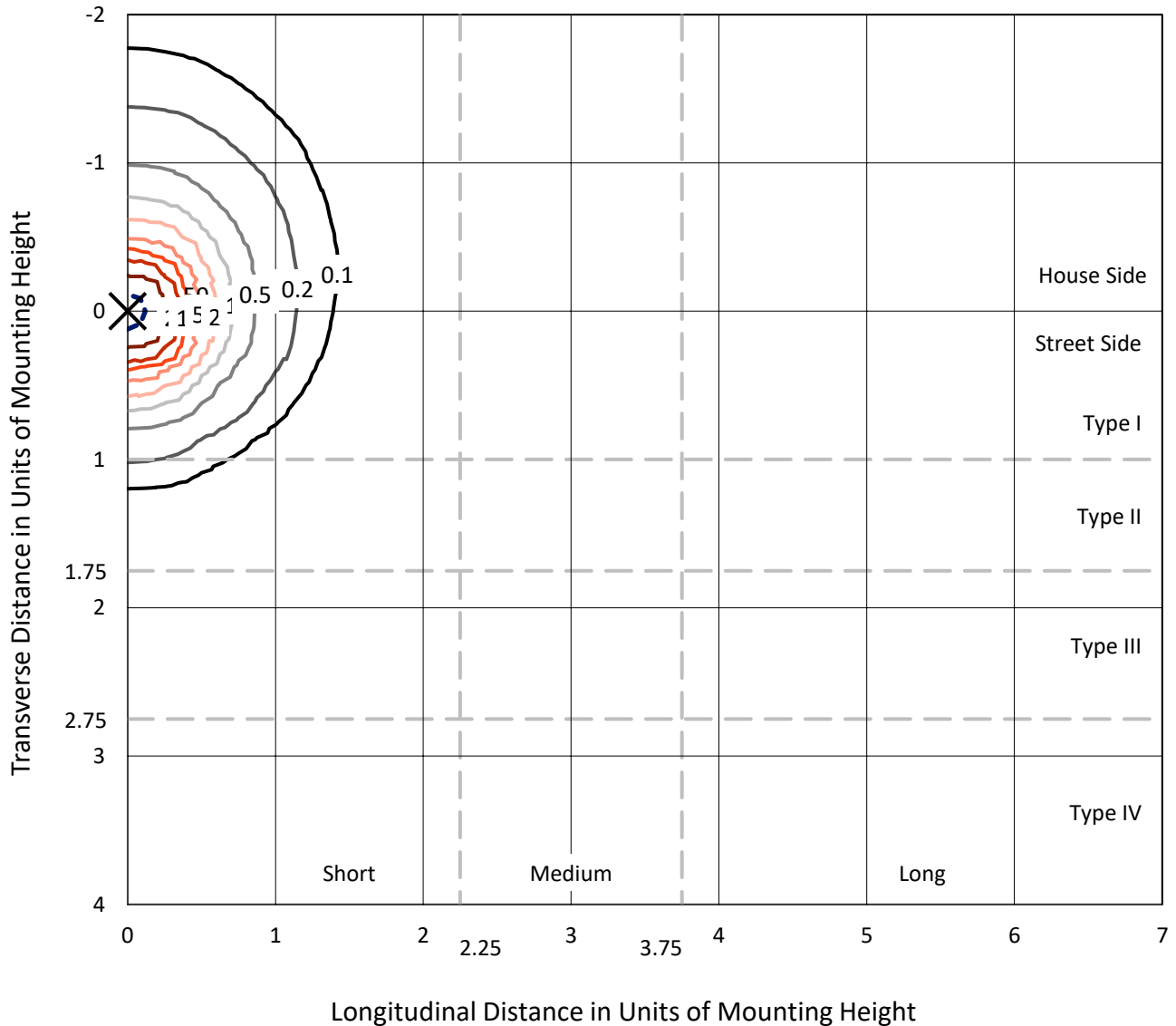
Input Watts (W): 160.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

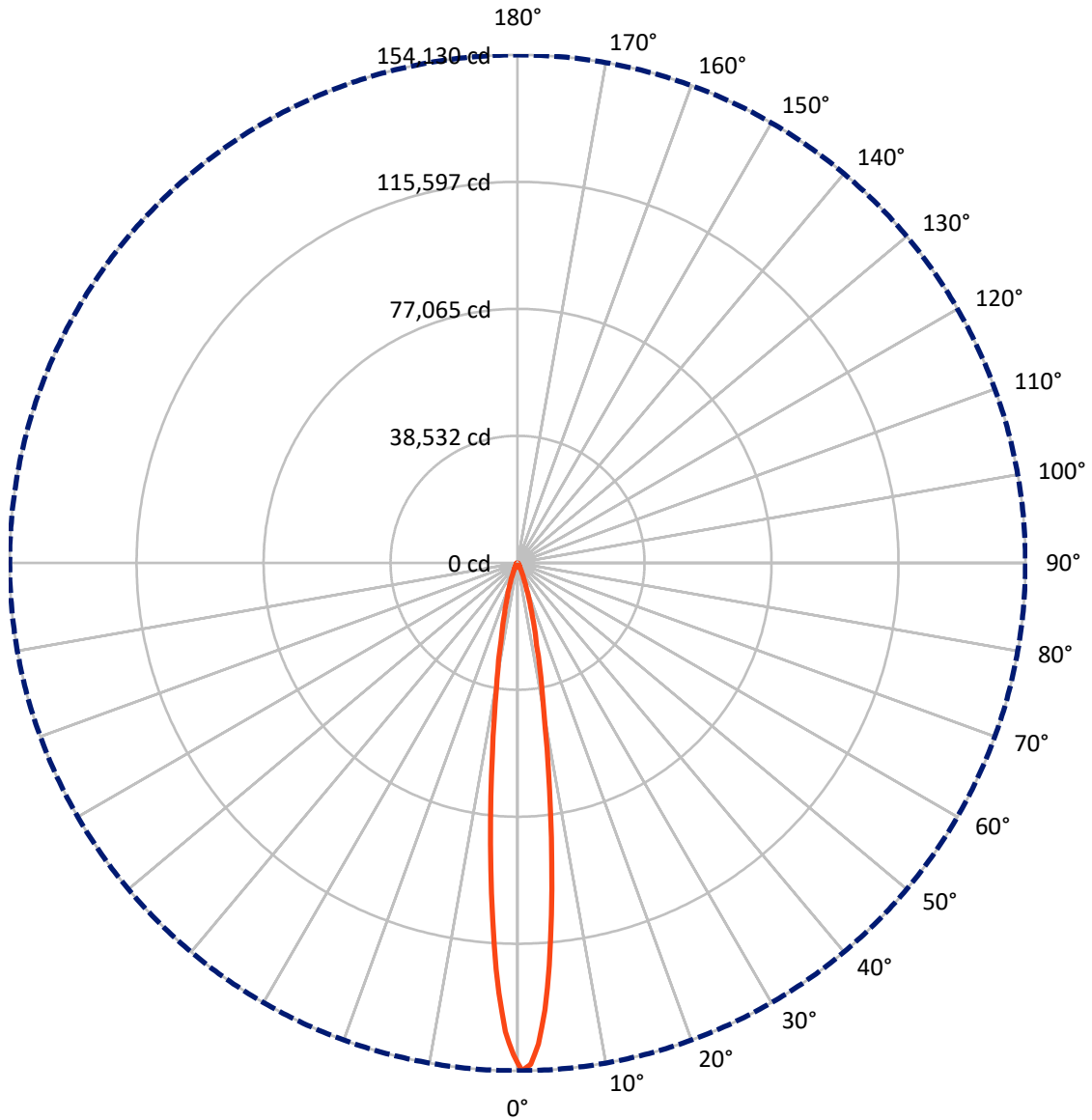
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 385.3 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	7947.3	0.0	7947.3
	% Fixture	51.2	0.0	51.2
<b>Street Side</b>	Lumens	7569.2	0.0	7569.2
	% Fixture	48.8	0.0	48.8
<b>Total</b>	Lumens	15516.5	0.0	15516.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7833.2	50.5
10°-20°	5014.8	32.3
20°-30°	1507.3	9.7
30°-40°	490.8	3.2
40°-50°	285.6	1.8
50°-60°	189.7	1.2
60°-70°	114.2	0.7
70°-80°	58.7	0.4
80°-90°	22.3	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°	15516.5	100.0
0°-180°	15516.5	100.0

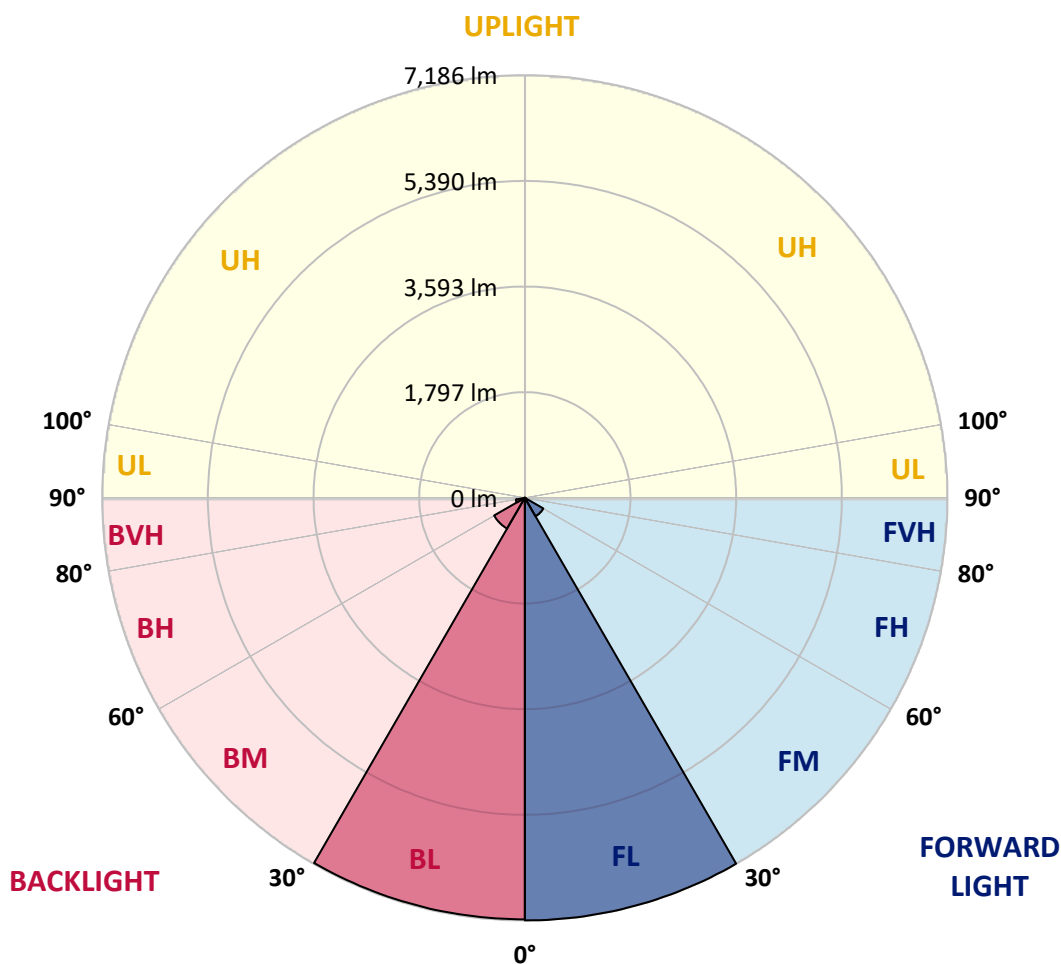


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7186.2	46.3			
FM (30°-60°)	362.6	2.3			
FH (60°-80°)	17.1	0.1			G0/660
FVH (80°-90°)	3.4	0.0			G0/10
BL (0°-30°)	7169.2	46.2	B5		
BM (30°-60°)	603.4	3.9	B1/1000		
BH (60°-80°)	155.8	1.0	B1/500		G0/660
BVH (80°-90°)	18.9	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°	154129.6	154129.6	154129.6	154129.6	154129.6	154129.6	154129.6	154129.6	154129.6	154129.6
1°	152284.1	151819.4	150619.5	151472.9	152223.3	152005.3	151990.1	151909.0	151795.7	152684.7
2°	146196.8	145895.9	144121.4	144853.2	145919.6	145142.2	145628.9	145201.3	145209.8	146271.1
3°	135935.1	136099.0	133268.3	134598.3	136080.4	134196.1	134780.8	135879.3	134728.4	134382.0
4°	122597.6	121174.6	119628.3	120980.3	121363.9	120267.1	121345.3	122690.6	121091.8	121162.8
5°	107370.7	106319.5	104489.3	105324.1	104372.7	104719.1	106334.7	106889.1	105773.7	104369.3
6°	91714.6	90967.6	88679.3	89882.6	89544.6	89348.6	91388.4	89698.4	90306.8	89456.7
7°	76288.3	74892.3	73768.5	74921.0	74995.4	74405.6	77053.8	76746.2	75639.3	75382.4
8°	63206.0	61813.4	60861.9	61720.5	62281.5	61355.4	62600.9	63418.9	62553.6	62631.4
9°	50978.8	50733.8	49410.5	50532.7	51142.8	50150.7	51529.8	51825.5	51016.0	51409.8
10°	41857.9	41572.3	40516.0	40970.6	41981.3	40798.3	42121.5	42217.9	41572.3	41756.5
12.5°	25867.1	25752.2	25723.5	25789.4	25775.9	25985.4	26323.4	25938.1	25887.4	25250.3
15°	16719.2	16889.9	16714.1	17052.1	17101.1	17298.8	17092.7	16781.7	16188.5	15894.4
17.5°	10434.1	10652.1	10952.9	11448.1	11943.2	12000.7	11726.9	11361.9	11074.6	10760.2
20°	6002.9	6109.3	6063.7	6656.9	7937.9	8286.1	7932.9	7549.2	7202.8	6885.1
22.5°	3729.8	3691.0	3761.9	3961.4	4378.8	5455.3	5166.3	4782.7	4530.9	4268.9
25°	2286.6	2328.8	2301.8	2411.6	2599.2	3055.5	3121.4	2955.8	2827.4	2692.2
27.5°	1472.0	1472.0	1483.8	1544.7	1673.1	1657.9	2009.4	1881.0	1811.7	1745.8
30°	1022.4	1025.8	1025.8	1061.3	1090.0	1039.3	1130.6	1296.2	1264.1	1213.4
32.5°	758.8	768.9	777.4	796.0	772.3	718.2	740.2	932.9	914.3	895.7
35°	578.0	586.4	606.7	616.8	583.0	549.2	529.0	686.1	694.6	689.5
37.5°	420.8	425.9	463.1	501.9	463.1	432.6	420.8	527.3	567.8	562.8
40°	322.8	324.5	331.2	375.2	375.2	351.5	354.9	393.8	464.7	464.7
42.5°	277.2	277.2	283.9	277.2	278.8	304.2	312.6	317.7	393.8	393.8
45°	240.0	240.0	243.4	226.5	209.6	261.9	268.7	270.4	331.2	339.7
47.5°	201.1	201.1	207.9	185.9	177.4	207.9	226.5	231.5	285.6	292.4
50°	148.7	150.4	170.7	152.1	157.2	160.5	196.0	199.4	241.7	256.9
52.5°	99.7	99.7	103.1	118.3	136.9	131.8	158.9	170.7	192.7	212.9
55°	81.1	81.1	79.4	76.0	101.4	109.8	116.6	142.0	157.2	182.5
57.5°	55.8	59.1	54.1	62.5	65.9	82.8	87.9	111.5	120.0	153.8
60°	6.8	8.4	11.8	45.6	43.9	55.8	65.9	87.9	98.0	118.3
62.5°	1.7	1.7	3.4	8.4	30.4	37.2	52.4	60.8	71.0	91.3
65°	0.0	0.0	1.7	3.4	6.8	20.3	27.0	35.5	50.7	64.2
67.5°	0.0	0.0	1.7	3.4	3.4	8.4	13.5	22.0	27.0	47.3
70°	0.0	0.0	1.7	3.4	3.4	6.8	8.4	10.1	18.6	25.3
72.5°	0.0	0.0	1.7	3.4	5.1	6.8	8.4	8.4	8.4	16.9
75°	0.0	0.0	1.7	3.4	5.1	6.8	8.4	8.4	6.8	6.8
77.5°	0.0	0.0	1.7	3.4	6.8	8.4	10.1	8.4	5.1	5.1
80°	0.0	0.0	1.7	5.1	8.4	11.8	13.5	10.1	5.1	3.4
82.5°	0.0	0.0	3.4	6.8	10.1	13.5	18.6	15.2	6.8	3.4
85°	0.0	0.0	1.7	5.1	10.1	13.5	27.0	18.6	8.4	1.7
87.5°	0.0	0.0	0.0	1.7	1.7	3.4	10.1	6.8	3.4	1.7
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°
154129.6	0°	154129.6	154129.6	154129.6	154129.6	154129.6	154129.6	154129.6	154129.6
151658.8	1°	152718.5	152824.9	152476.8	153015.9	152826.6	151718.0	151351.3	150916.9
145647.5	2°	145201.3	145743.8	145770.9	146369.1	146360.7	145067.8	144667.3	145405.8
135085.0	3°	134676.0	135308.1	134738.6	135801.6	135482.2	133913.8	133506.6	134344.8
121723.9	4°	121360.5	121240.5	121044.5	120439.5	121184.8	120115.0	119308.9	120446.2
106231.7	5°	106018.7	105751.7	105369.8	105190.6	105744.9	105060.5	103402.6	105063.9
90994.6	6°	91106.2	89957.0	89901.2	89801.5	89857.3	87940.8	88055.7	89292.8
74498.5	7°	75286.1	75497.3	75066.4	75757.6	75230.3	73932.4	73432.2	74735.1
62972.7	8°	62533.3	62266.3	61936.8	62969.4	62055.1	61203.3	60620.3	61649.5
51474.0	9°	51377.7	50916.3	50581.7	50529.3	50671.2	49072.5	49397.0	50176.1
41857.9	10°	41873.1	41116.0	41300.2	41349.2	41193.7	40145.9	40156.1	40424.8
25672.8	12.5°	25581.5	25209.7	25302.7	25353.4	25669.4	25301.0	24780.5	24405.3
16186.8	15°	16078.7	15811.6	16357.5	16724.2	16649.9	16322.0	16077.0	15737.3
10760.2	17.5°	10660.5	11010.3	11012.0	11346.7	11380.5	11052.6	10863.3	10557.4
6998.3	20°	6972.9	7118.3	7420.8	7657.4	7794.3	7544.2	7317.7	7108.1
4363.6	22.5°	4363.6	4617.1	4806.4	5113.9	5239.0	5056.5	4895.9	4725.2
2724.3	25°	2678.6	2859.5	3016.6	3283.7	3454.4	3366.5	3219.4	3099.5
1759.3	27.5°	1786.3	1862.4	1940.1	2124.3	2301.8	2252.8	2193.6	2120.9
1240.5	30°	1259.0	1265.8	1348.6	1451.7	1570.0	1600.4	1573.4	1536.2
910.9	32.5°	927.8	954.8	993.7	1057.9	1137.4	1210.0	1196.5	1179.6
696.3	35°	716.6	757.1	789.2	838.2	880.5	949.8	961.6	956.5
572.9	37.5°	584.7	620.2	652.3	681.1	716.6	763.9	801.1	802.7
473.2	40°	485.0	517.1	559.4	581.4	606.7	642.2	687.8	691.2
400.5	42.5°	409.0	439.4	481.6	508.7	527.3	561.1	606.7	613.5
343.1	45°	351.5	370.1	414.0	446.2	464.7	486.7	535.7	542.5
295.7	47.5°	305.9	324.5	351.5	397.1	414.0	434.3	473.2	485.0
261.9	50°	268.7	287.3	311.0	351.5	376.9	393.8	425.9	442.8
228.1	52.5°	238.3	256.9	282.2	314.3	343.1	358.3	388.7	410.7
185.9	55°	199.4	231.5	250.1	278.8	317.7	331.2	354.9	383.6
162.2	57.5°	174.1	201.1	228.1	251.8	290.7	307.6	331.2	358.3
128.4	60°	147.0	172.4	204.5	224.8	261.9	283.9	309.3	334.6
98.0	62.5°	116.6	150.4	172.4	201.1	236.6	265.3	285.6	311.0
76.0	65°	86.2	123.4	148.7	179.1	212.9	243.4	260.3	287.3
54.1	67.5°	62.5	96.3	126.7	155.5	187.6	218.0	234.9	258.6
33.8	70°	49.0	71.0	104.8	130.1	163.9	189.3	207.9	223.1
22.0	72.5°	28.7	54.1	84.5	113.2	143.6	160.5	174.1	187.6
10.1	75°	18.6	42.2	69.3	94.6	116.6	131.8	143.6	155.5
5.1	77.5°	11.8	30.4	55.8	79.4	89.6	108.2	118.3	125.1
3.4	80°	6.8	23.7	49.0	64.2	72.7	84.5	94.6	103.1
3.4	82.5°	5.1	20.3	40.6	54.1	54.1	67.6	72.7	72.7
1.7	85°	3.4	16.9	32.1	50.7	40.6	50.7	47.3	47.3
1.7	87.5°	3.4	11.8	15.2	22.0	18.6	22.0	22.0	25.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
154129.6  
149196.5  
142277.6  
130621.7  
116329.4  
100686.8  
85706.6  
71191.2  
58710.6  
47742.5  
38596.2  
24177.1  
15563.2  
10481.4  
7035.5  
4634.0  
3030.2  
2078.7  
1510.9  
1166.1  
939.6  
790.9  
686.1  
608.4  
540.8  
486.7  
444.5  
410.7  
385.3  
360.0  
341.4  
322.8  
292.4  
260.3  
228.1  
191.0  
155.5  
121.7  
92.9  
67.6  
45.6  
25.3  
0.0

(END OF REPORT)