

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: P637125

Luminaire Tested: **IFLD-S-SA6B-740-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P637125  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6B-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: 33195.5 lumens  
Efficiency: N/A  
Efficacy: 135.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

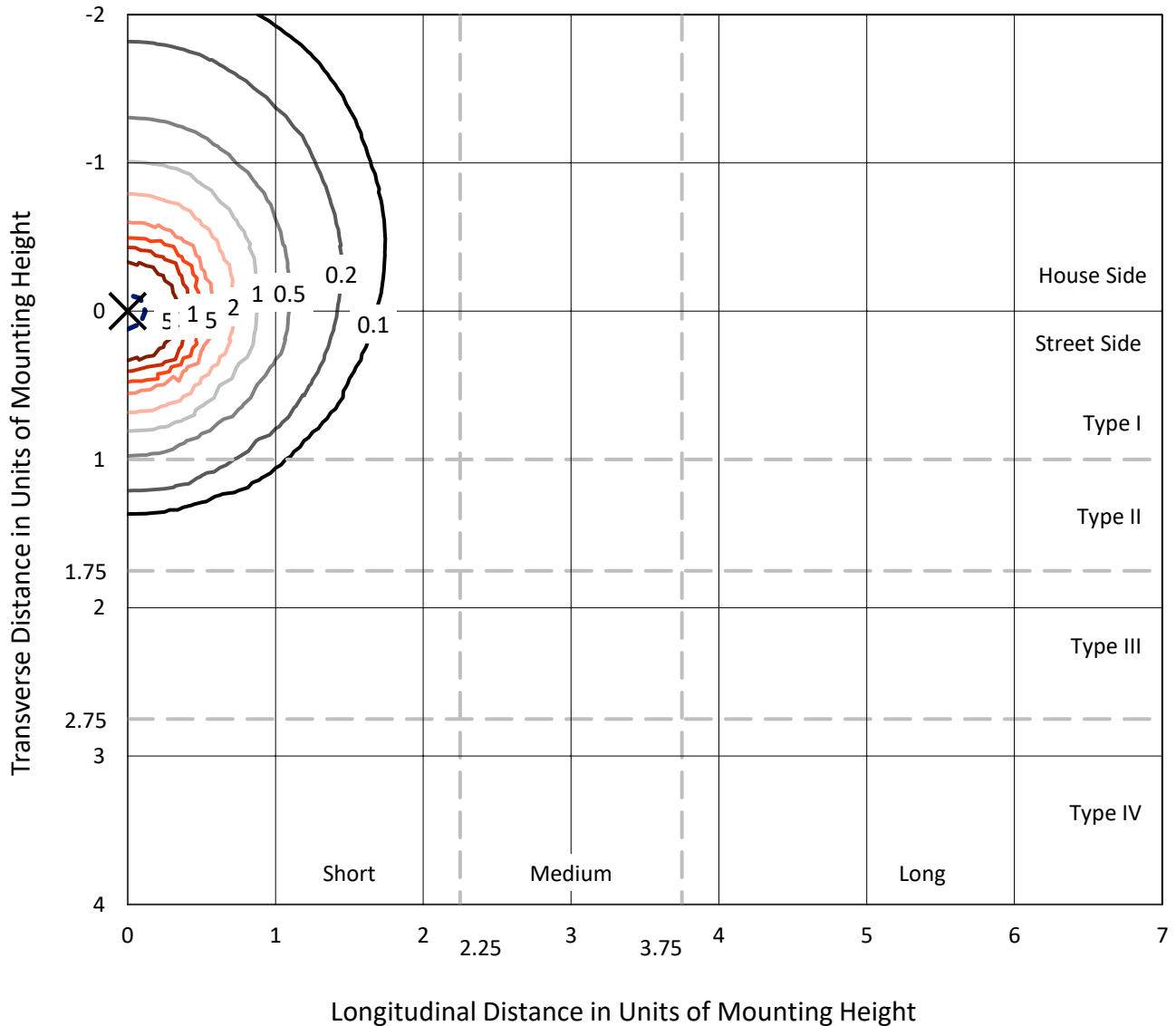
Input Watts (W): 244.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

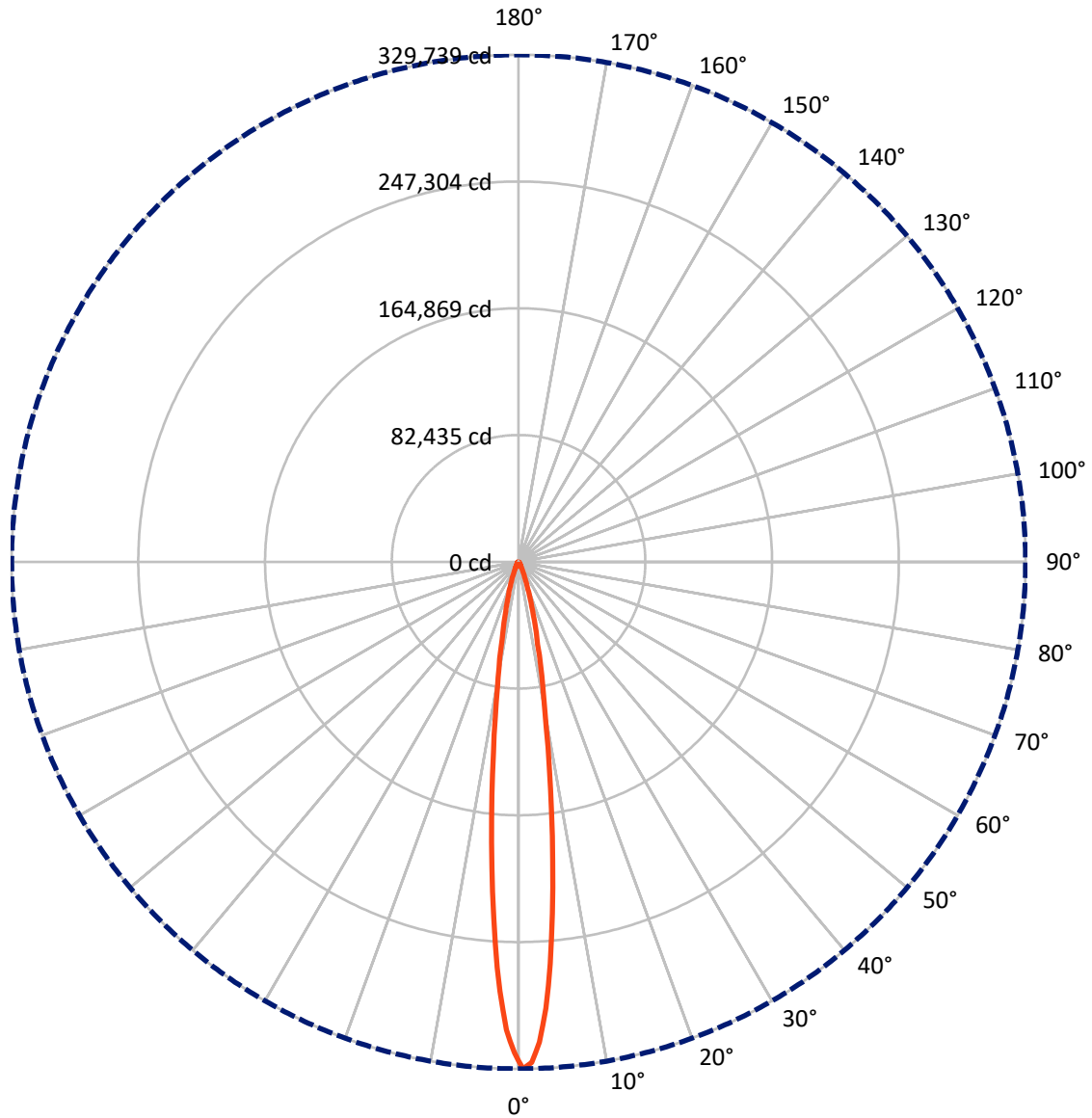
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 824.3 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	17002.1	0.0	17002.1
	% Fixture	51.2	0.0	51.2
<b>Street Side</b>	Lumens	16193.4	0.0	16193.4
	% Fixture	48.8	0.0	48.8
<b>Total</b>	Lumens	33195.5	0.0	33195.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16758.1	50.5
10°-20°	10728.4	32.3
20°-30°	3224.8	9.7
30°-40°	1050.0	3.2
40°-50°	610.9	1.8
50°-60°	405.8	1.2
60°-70°	244.3	0.7
70°-80°	125.6	0.4
80°-90°	47.7	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°	33195.5	100.0
0°-180°	33195.5	100.0

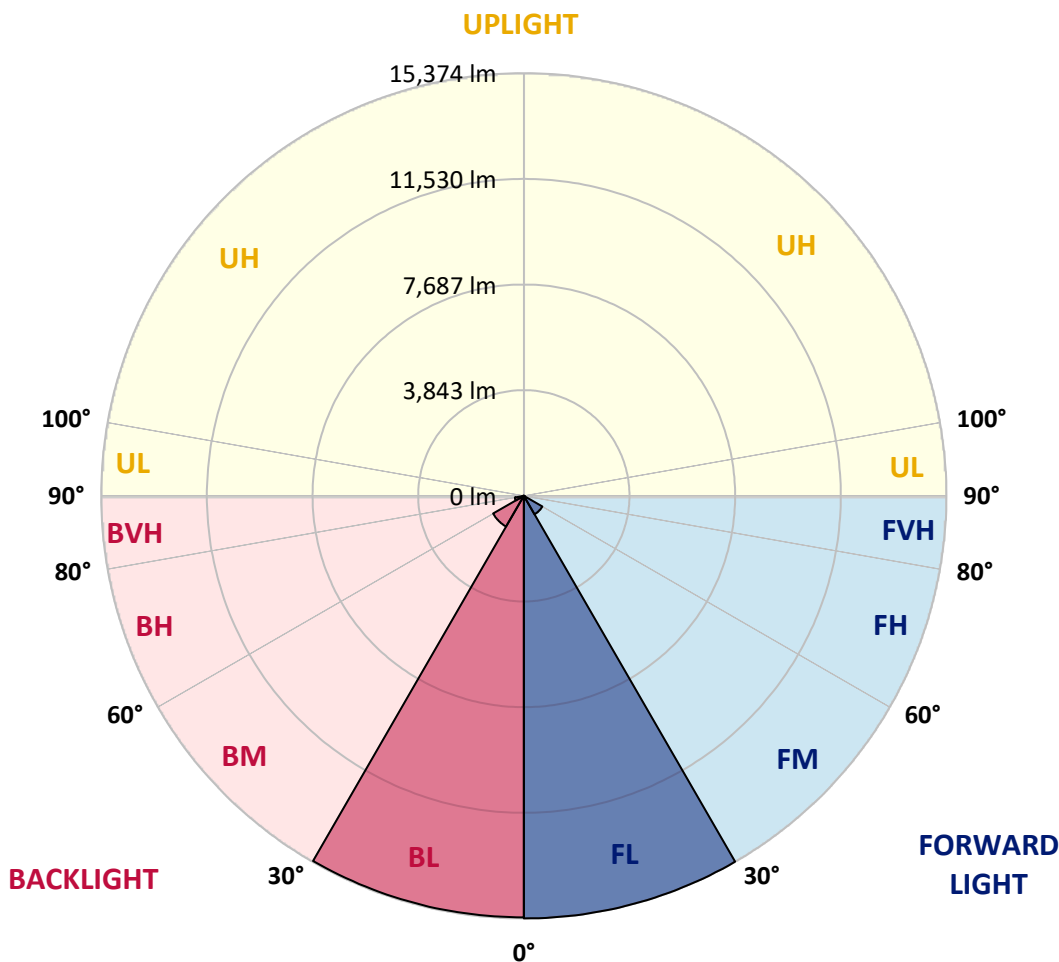


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	15373.9	46.3			
FM (30°-60°)	775.8	2.3			
FH (60°-80°)	36.5	0.1			G0/660
FVH (80°-90°)	7.2	0.0			G0/10
BL (0°-30°)	15337.4	46.2	B5		
BM (30°-60°)	1290.9	3.9	B2/2500		
BH (60°-80°)	333.3	1.0	B1/500		G0/660
BVH (80°-90°)	40.5	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°	329738.7	329738.7	329738.7	329738.7	329738.7	329738.7	329738.7	329738.7	329738.7	329738.7
1°	325790.6	324796.3	322229.3	324055.1	325660.4	325194.0	325161.5	324987.9	324745.7	326647.5
2°	312767.5	312123.9	308327.6	309893.2	312174.5	310511.4	311552.7	310637.9	310656.0	312926.6
3°	290814.1	291164.8	285108.8	287954.2	291125.0	287093.7	288344.7	290694.8	288232.6	287491.4
4°	262280.4	259236.2	255928.0	258820.4	259641.1	257294.6	259601.3	262479.3	259059.0	259210.8
5°	229704.6	227455.8	223540.2	225326.2	223290.7	224031.9	227488.3	228674.2	226287.9	223283.5
6°	196210.5	194612.4	189717.0	192291.2	191568.1	191148.7	195512.7	191897.2	193198.7	191380.1
7°	163208.0	160221.6	157817.3	160283.1	160442.2	159180.3	164845.9	164187.8	161819.7	161270.1
8°	135220.3	132241.1	130205.6	132042.3	133242.6	131261.3	133926.0	135675.9	133824.7	133991.0
9°	109062.1	108537.8	105706.9	108107.6	109412.8	107290.5	110240.7	110873.4	109141.6	109984.0
10°	89549.1	88938.1	86678.4	87651.0	89813.0	87282.2	90113.1	90319.2	88938.1	89332.2
12.5°	55339.1	55093.2	55031.8	55172.8	55143.9	55592.2	56315.3	55490.9	55382.5	54019.4
15°	35768.3	36133.5	35757.5	36480.6	36585.4	37008.4	36567.3	35902.1	34633.0	34003.9
17.5°	22322.2	22788.6	23432.2	24491.5	25550.9	25673.8	25088.1	24307.1	23692.5	23020.0
20°	12842.3	13070.1	12972.5	14241.5	16982.1	17726.9	16971.2	16150.5	15409.3	14729.6
22.5°	7979.4	7896.3	8048.1	8474.8	9367.8	11670.9	11052.6	10231.9	9693.2	9132.8
25°	4891.8	4982.2	4924.3	5159.3	5560.7	6536.9	6677.9	6323.5	6048.8	5759.5
27.5°	3149.1	3149.1	3174.4	3304.6	3579.4	3546.8	4298.8	4024.1	3875.8	3734.8
30°	2187.4	2194.6	2194.6	2270.5	2332.0	2223.5	2418.8	2773.1	2704.4	2595.9
32.5°	1623.4	1645.1	1663.1	1702.9	1652.3	1536.6	1583.6	1995.8	1956.0	1916.2
35°	1236.5	1254.6	1298.0	1319.7	1247.4	1175.0	1131.7	1467.9	1486.0	1475.1
37.5°	900.3	911.1	990.7	1073.8	990.7	925.6	900.3	1128.0	1214.8	1204.0
40°	690.6	694.2	708.6	802.6	802.6	752.0	759.3	842.4	994.3	994.3
42.5°	592.9	592.9	607.4	592.9	596.6	650.8	668.9	679.7	842.4	842.4
45°	513.4	513.4	520.6	484.5	448.3	560.4	574.9	578.5	708.6	726.7
47.5°	430.2	430.2	444.7	397.7	379.6	444.7	484.5	495.3	611.0	625.5
50°	318.2	321.8	365.2	325.4	336.2	343.5	419.4	426.6	517.0	549.6
52.5°	213.3	213.3	220.5	253.1	292.9	282.0	339.9	365.2	412.2	455.6
55°	173.5	173.5	169.9	162.7	216.9	235.0	249.5	303.7	336.2	390.5
57.5°	119.3	126.5	115.7	133.8	141.0	177.2	188.0	238.6	256.7	329.0
60°	14.5	18.1	25.3	97.6	94.0	119.3	141.0	188.0	209.7	253.1
62.5°	3.6	3.6	7.2	18.1	65.1	79.5	112.1	130.2	151.9	195.2
65°	0.0	0.0	3.6	7.2	14.5	43.4	57.8	75.9	108.5	137.4
67.5°	0.0	0.0	3.6	7.2	7.2	18.1	28.9	47.0	57.8	101.2
70°	0.0	0.0	3.6	7.2	7.2	14.5	18.1	21.7	39.8	54.2
72.5°	0.0	0.0	3.6	7.2	10.8	14.5	18.1	18.1	18.1	36.2
75°	0.0	0.0	3.6	7.2	10.8	14.5	18.1	18.1	14.5	14.5
77.5°	0.0	0.0	3.6	7.2	14.5	18.1	21.7	18.1	10.8	10.8
80°	0.0	0.0	3.6	10.8	18.1	25.3	28.9	21.7	10.8	7.2
82.5°	0.0	0.0	7.2	14.5	21.7	28.9	39.8	32.5	14.5	7.2
85°	0.0	0.0	3.6	10.8	21.7	28.9	57.8	39.8	18.1	3.6
87.5°	0.0	0.0	0.0	3.6	3.6	7.2	21.7	14.5	7.2	3.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P637125

CATALOG NUMBER: IFLD-S-SA6B-740-U-33-VI

**CANDELA DISTRIBUTION (continued):**

90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
329738.7	0°	329738.7	329738.7	329738.7	329738.7	329738.7	329738.7	329738.7	329738.7
324452.8	1°	326719.8	326947.5	326202.7	327356.1	326951.2	324579.4	323794.8	322865.6
311592.4	2°	310637.9	311798.5	311856.4	313136.3	313118.2	310352.3	309495.4	311075.4
288995.5	3°	288120.5	289472.7	288254.3	290528.4	289845.1	286489.9	285618.6	287411.9
260411.2	4°	259633.9	259377.2	258957.8	257663.4	259257.8	256969.2	255244.6	257677.9
227267.8	5°	226812.2	226240.9	225423.8	225040.6	226226.5	224762.2	221215.4	224769.4
194670.3	6°	194908.9	192450.3	192331.0	192117.7	192237.0	188137.0	188382.9	191029.4
159379.2	7°	161064.0	161516.0	160594.0	162072.8	160944.7	158168.0	157097.8	159885.4
134721.4	8°	133781.3	133210.1	132505.1	134714.1	132758.2	130935.9	129688.6	131890.4
110121.4	9°	109915.3	108928.3	108212.4	108100.3	108404.0	104983.8	105677.9	107344.7
89549.1	10°	89581.7	87961.9	88356.0	88460.8	88128.2	85886.6	85908.3	86483.2
54923.3	12.5°	54728.1	53932.7	54131.5	54240.0	54916.1	54127.9	53014.3	52211.7
34629.4	15°	34398.0	33826.8	34994.6	35779.2	35620.1	34918.7	34394.4	33667.7
23020.0	17.5°	22806.7	23555.1	23558.7	24274.6	24346.9	23645.5	23240.5	22586.1
14971.9	20°	14917.6	15228.6	15875.7	16381.9	16674.8	16139.7	15655.2	15206.9
9335.3	22.5°	9335.3	9877.6	10282.5	10940.6	11208.1	10817.6	10474.2	10109.0
5828.2	25°	5730.6	6117.5	6453.7	7024.9	7390.1	7202.1	6887.6	6630.9
3763.8	27.5°	3821.6	3984.3	4150.6	4544.7	4924.3	4819.5	4692.9	4537.5
2653.8	30°	2693.6	2708.0	2885.2	3105.7	3358.8	3423.9	3366.0	3286.5
1948.8	32.5°	1984.9	2042.8	2125.9	2263.3	2433.2	2588.7	2559.8	2523.6
1489.6	35°	1533.0	1619.8	1688.4	1793.3	1883.7	2031.9	2057.2	2046.4
1225.7	37.5°	1251.0	1326.9	1395.6	1457.1	1533.0	1634.2	1713.8	1717.4
1012.3	40°	1037.7	1106.3	1196.7	1243.7	1298.0	1373.9	1471.5	1478.7
856.9	42.5°	875.0	940.0	1030.4	1088.3	1128.0	1200.4	1298.0	1312.4
733.9	45°	752.0	791.8	885.8	954.5	994.3	1041.3	1146.1	1160.6
632.7	47.5°	654.4	694.2	752.0	849.6	885.8	929.2	1012.3	1037.7
560.4	50°	574.9	614.6	665.3	752.0	806.3	842.4	911.1	947.3
488.1	52.5°	509.8	549.6	603.8	672.5	733.9	766.5	831.6	878.6
397.7	55°	426.6	495.3	535.1	596.6	679.7	708.6	759.3	820.7
347.1	57.5°	372.4	430.2	488.1	538.7	621.9	658.0	708.6	766.5
274.8	60°	314.5	368.8	437.5	480.9	560.4	607.4	661.6	715.9
209.7	62.5°	249.5	321.8	368.8	430.2	506.2	567.6	611.0	665.3
162.7	65°	184.4	263.9	318.2	383.2	455.6	520.6	556.8	614.6
115.7	67.5°	133.8	206.1	271.2	332.6	401.3	466.4	502.6	553.2
72.3	70°	104.8	151.9	224.2	278.4	350.7	404.9	444.7	477.2
47.0	72.5°	61.5	115.7	180.8	242.2	307.3	343.5	372.4	401.3
21.7	75°	39.8	90.4	148.2	202.5	249.5	282.0	307.3	332.6
10.8	77.5°	25.3	65.1	119.3	169.9	191.6	231.4	253.1	267.5
7.2	80°	14.5	50.6	104.8	137.4	155.5	180.8	202.5	220.5
7.2	82.5°	10.8	43.4	86.8	115.7	115.7	144.6	155.5	155.5
3.6	85°	7.2	36.2	68.7	108.5	86.8	108.5	101.2	101.2
3.6	87.5°	7.2	25.3	32.5	47.0	39.8	47.0	47.0	54.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
329738.7  
319185.0  
304383.1  
279446.9  
248870.5  
215405.2  
183357.3  
152303.6  
125603.0  
102138.3  
82571.2  
51723.6  
33295.3  
22423.4  
15051.4  
9913.7  
6482.6  
4447.1  
3232.3  
2494.7  
2010.2  
1692.1  
1467.9  
1301.6  
1157.0  
1041.3  
950.9  
878.6  
824.3  
770.1  
730.3  
690.6  
625.5  
556.8  
488.1  
408.6  
332.6  
260.3  
198.9  
144.6  
97.6  
54.2  
0.0

(END OF REPORT)