

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: P637014

Luminaire Tested: **IFLD-M-SA4B-722-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P637014  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4B-722-U-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (64) 2200K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16730.7 lumens  
Efficiency: N/A  
Efficacy: 100.7 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

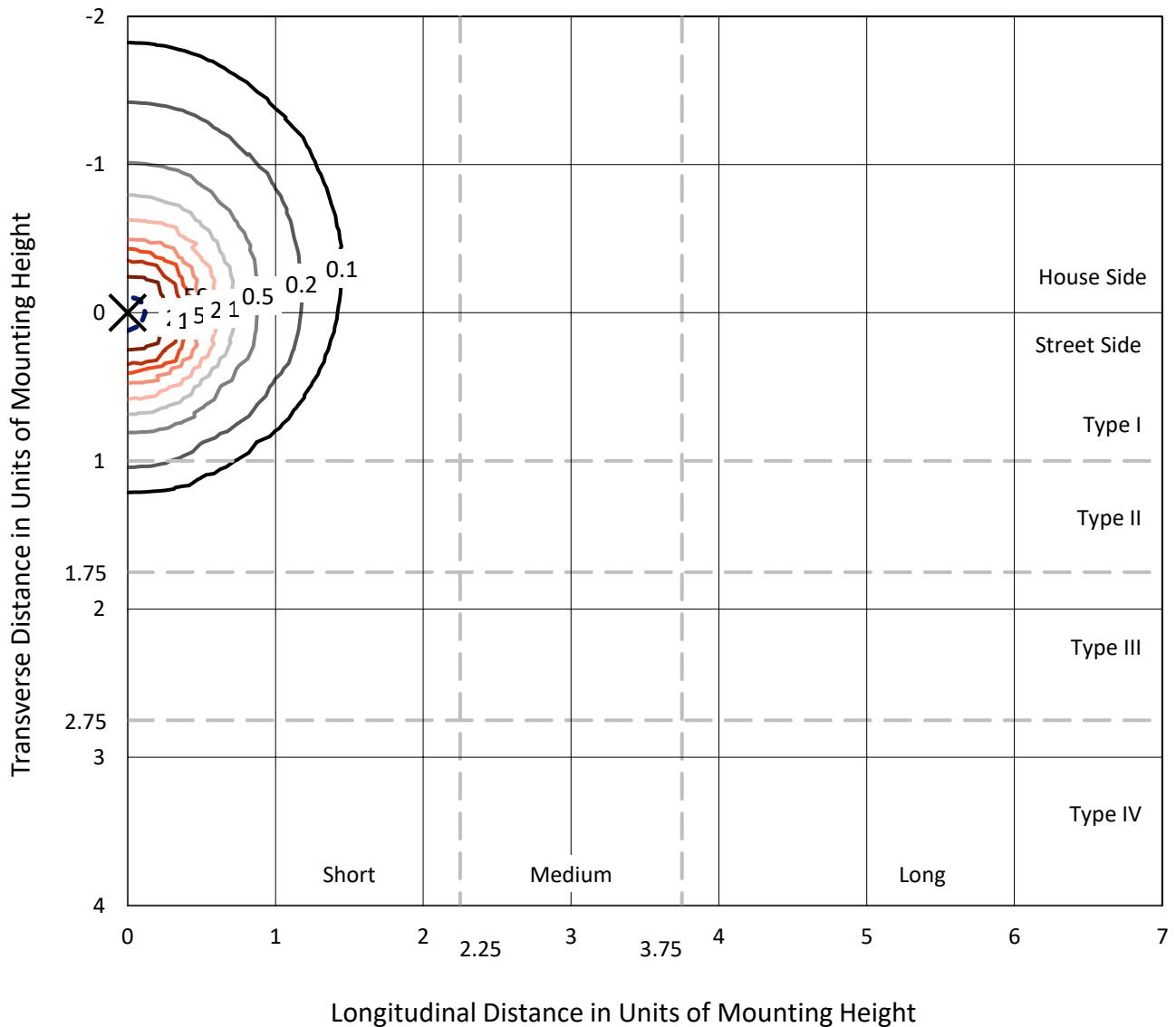
Input Watts (W): 166.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P637014  
 CATALOG NUMBER: IFLD-M-SA4B-722-U-33-VI

### Iso-Footcandle Lines of Horizontal Illumination

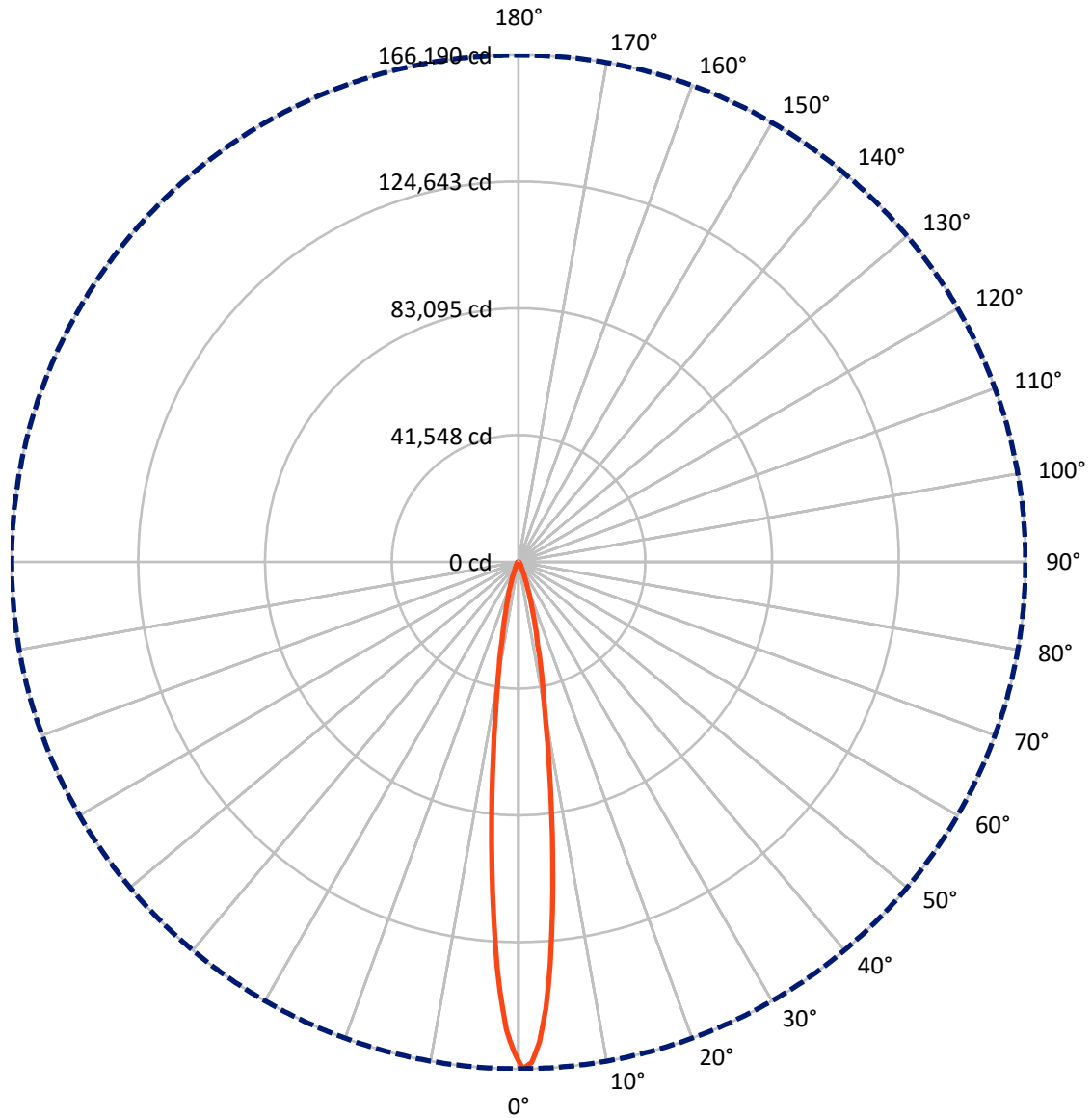
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 415.5 fc  
 Type V - Short - N/A

REPORT NUMBER: P637014  
CATALOG NUMBER: IFLD-M-SA4B-722-U-33-VI

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P637014  
 CATALOG NUMBER: IFLD-M-SA4B-722-U-33-VI

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8569.1	0.0	8569.1
	% Fixture	51.2	0.0	51.2
<b>Street Side</b>	Lumens	8161.5	0.0	8161.5
	% Fixture	48.8	0.0	48.8
<b>Total</b>	Lumens	16730.7	0.0	16730.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8446.2	50.5
10°-20°	5407.2	32.3
20°-30°	1625.3	9.7
30°-40°	529.2	3.2
40°-50°	307.9	1.8
50°-60°	204.5	1.2
60°-70°	123.1	0.7
70°-80°	63.3	0.4
80°-90°	24.0	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°	16730.7	100.0
0°-180°	16730.7	100.0



REPORT NUMBER: P637014

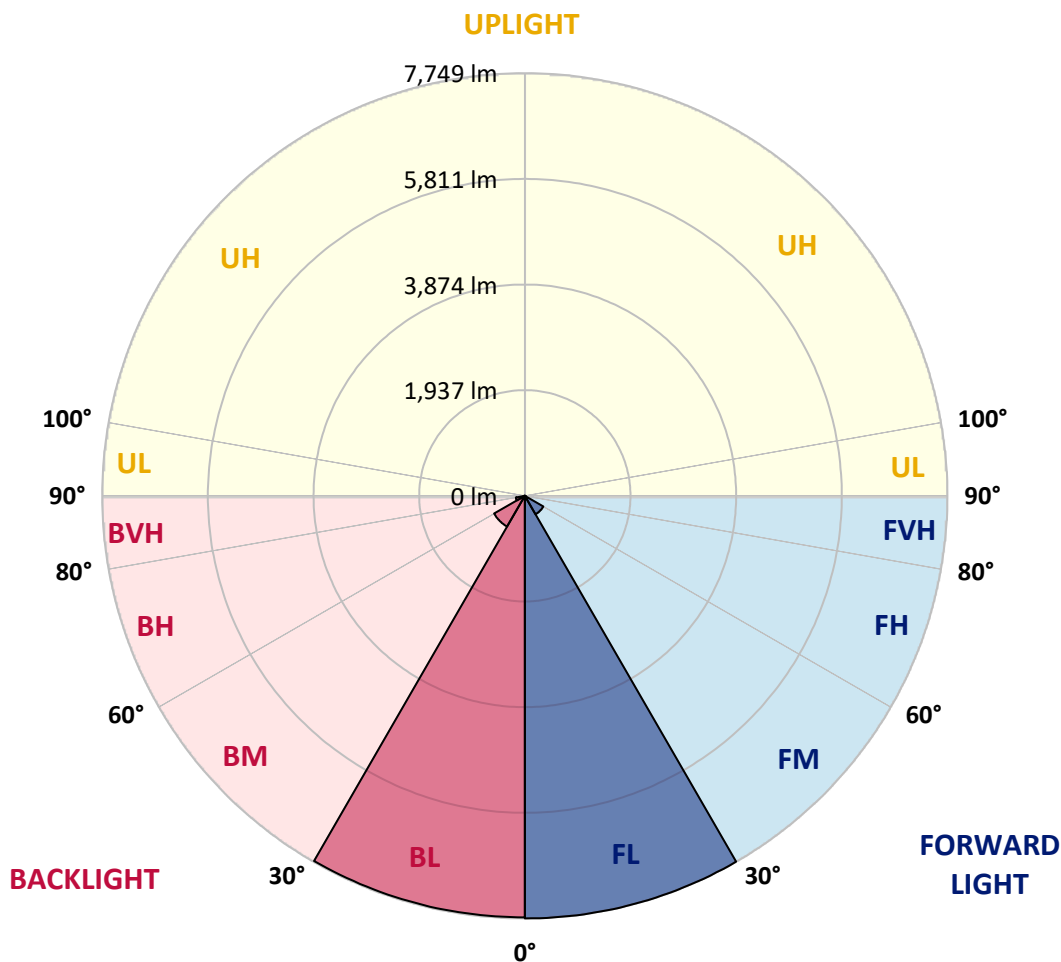
CATALOG NUMBER: IFLD-M-SA4B-722-U-33-VI

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7748.5	46.3			
FM (30°-60°)	391.0	2.3			
FH (60°-80°)	18.4	0.1			G0/660
FVH (80°-90°)	3.6	0.0			G0/10
BL (0°-30°)	7730.1	46.2	B5		
BM (30°-60°)	650.6	3.9	B1/1000		
BH (60°-80°)	168.0	1.0	B1/500		G0/660
BVH (80°-90°)	20.4	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





REPORT NUMBER: P637014  
 CATALOG NUMBER: IFLD-M-SA4B-722-U-33-VI

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	166190.1	166190.1	166190.1	166190.1	166190.1	166190.1	166190.1	166190.1	166190.1	166190.1
1°	164200.2	163699.1	162405.3	163325.5	164134.6	163899.5	163883.1	163795.7	163673.6	164632.1
2°	157636.5	157312.1	155398.8	156187.8	157337.6	156499.4	157024.2	156563.2	156572.3	157716.7
3°	146571.8	146748.6	143696.4	145130.5	146728.6	144696.8	145327.3	146511.7	145270.8	144897.2
4°	132190.7	130656.4	128989.1	130446.8	130860.5	129677.9	130840.5	132291.0	130567.1	130643.6
5°	115772.4	114638.9	112665.4	113565.6	112539.7	112913.3	114655.3	115253.0	114050.3	112536.1
6°	98891.1	98085.7	95618.4	96915.8	96551.4	96340.0	98539.4	96717.2	97373.2	96456.6
7°	82257.7	80752.6	79540.8	80783.5	80863.7	80227.7	83083.2	82751.5	81558.0	81281.0
8°	68151.8	66650.2	65624.3	66550.0	67155.0	66156.4	67499.4	68381.4	67448.4	67532.2
9°	54967.9	54703.6	53276.8	54486.8	55144.6	54075.0	55561.9	55880.8	55007.9	55432.5
10°	45133.2	44825.3	43686.4	44176.6	45266.3	43990.7	45417.5	45521.4	44825.3	45023.9
12.5°	27891.2	27767.3	27736.3	27807.4	27792.8	28018.8	28383.2	27967.7	27913.1	27226.1
15°	18027.4	18211.5	18022.0	18386.4	18439.2	18652.4	18430.1	18094.8	17455.2	17138.2
17.5°	11250.5	11485.6	11809.9	12343.9	12877.8	12939.7	12644.5	12250.9	11941.1	11602.2
20°	6472.6	6587.4	6538.2	7177.8	8559.1	8934.4	8553.6	8139.9	7766.4	7423.8
22.5°	4021.7	3979.8	4056.3	4271.3	4721.4	5882.2	5570.6	5156.9	4885.4	4603.0
25°	2465.5	2511.0	2481.9	2600.3	2802.6	3294.6	3365.7	3187.1	3048.6	2902.8
27.5°	1587.2	1587.2	1599.9	1665.5	1804.0	1787.6	2166.6	2028.2	1953.4	1882.4
30°	1102.5	1106.1	1106.1	1144.4	1175.3	1120.7	1219.1	1397.7	1363.0	1308.4
32.5°	818.2	829.1	838.2	858.3	832.8	774.5	798.1	1005.9	985.8	965.8
35°	623.2	632.3	654.2	665.1	628.7	592.2	570.4	739.8	748.9	743.5
37.5°	453.7	459.2	499.3	541.2	499.3	466.5	453.7	568.5	612.3	606.8
40°	348.0	349.9	357.2	404.5	404.5	379.0	382.7	424.6	501.1	501.1
42.5°	298.8	298.8	306.1	298.8	300.7	328.0	337.1	342.6	424.6	424.6
45°	258.8	258.8	262.4	244.2	226.0	282.4	289.7	291.6	357.2	366.3
47.5°	216.8	216.8	224.1	200.4	191.3	224.1	244.2	249.6	308.0	315.2
50°	160.4	162.2	184.0	164.0	169.5	173.1	211.4	215.0	260.6	277.0
52.5°	107.5	107.5	111.2	127.6	147.6	142.1	171.3	184.0	207.7	229.6
55°	87.5	87.5	85.6	82.0	109.3	118.4	125.7	153.1	169.5	196.8
57.5°	60.1	63.8	58.3	67.4	71.1	89.3	94.8	120.3	129.4	165.8
60°	7.3	9.1	12.8	49.2	47.4	60.1	71.1	94.8	105.7	127.6
62.5°	1.8	1.8	3.6	9.1	32.8	40.1	56.5	65.6	76.5	98.4
65°	0.0	0.0	1.8	3.6	7.3	21.9	29.2	38.3	54.7	69.2
67.5°	0.0	0.0	1.8	3.6	3.6	9.1	14.6	23.7	29.2	51.0
70°	0.0	0.0	1.8	3.6	3.6	7.3	9.1	10.9	20.0	27.3
72.5°	0.0	0.0	1.8	3.6	5.5	7.3	9.1	9.1	9.1	18.2
75°	0.0	0.0	1.8	3.6	5.5	7.3	9.1	9.1	7.3	7.3
77.5°	0.0	0.0	1.8	3.6	7.3	9.1	10.9	9.1	5.5	5.5
80°	0.0	0.0	1.8	5.5	9.1	12.8	14.6	10.9	5.5	3.6
82.5°	0.0	0.0	3.6	7.3	10.9	14.6	20.0	16.4	7.3	3.6
85°	0.0	0.0	1.8	5.5	10.9	14.6	29.2	20.0	9.1	1.8
87.5°	0.0	0.0	0.0	1.8	1.8	3.6	10.9	7.3	3.6	1.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P637014

CATALOG NUMBER: IFLD-M-SA4B-722-U-33-VI

**CANDELA DISTRIBUTION (continued):**

90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
166190.1	0°	166190.1	166190.1	166190.1	166190.1	166190.1	166190.1	166190.1	166190.1
163526.0	1°	164668.5	164783.3	164407.9	164989.2	164785.1	163589.7	163194.3	162051.8
157044.3	2°	156563.2	157148.1	157177.3	157822.4	157813.2	156419.2	155987.4	156783.7
145655.3	3°	145214.3	145895.8	145281.7	146427.9	146083.5	144392.4	143953.3	144857.1
131248.6	4°	130856.9	130727.5	130516.1	129863.7	130667.3	129513.9	128644.7	129871.0
114544.2	5°	114314.6	114026.6	113614.8	113421.7	114019.4	113281.4	111493.7	113285.0
98114.8	6°	98235.1	96996.0	96935.9	96828.3	96888.5	94822.1	94946.0	96279.9
80328.0	7°	81177.1	81404.9	80940.2	81685.5	81117.0	79717.5	79178.1	80583.1
67900.3	8°	67426.5	67138.6	66783.3	67896.6	66910.8	65992.4	65363.7	66473.5
55501.8	9°	55397.9	54900.4	54539.6	54483.1	54636.2	52912.4	53262.2	54102.3
45133.2	10°	45149.6	44333.3	44531.9	44584.7	44417.1	43287.3	43298.2	43588.0
27681.6	12.5°	27583.2	27182.3	27282.6	27337.2	27678.0	27280.7	26719.5	26315.0
17453.4	15°	17336.8	17048.9	17637.5	18032.9	17952.7	17599.2	17335.0	16968.7
11602.2	17.5°	11494.7	11871.9	11873.7	12234.5	12271.0	11917.4	11713.4	11383.5
7545.9	20°	7518.6	7675.3	8001.5	8256.6	8404.2	8134.5	7890.3	7664.3
4705.0	22.5°	4705.0	4978.4	5182.4	5514.1	5648.9	5452.1	5279.0	5095.0
2937.5	25°	2888.2	3083.2	3252.7	3540.6	3724.7	3629.9	3471.4	3342.0
1897.0	27.5°	1926.1	2008.1	2091.9	2290.6	2481.9	2429.0	2365.3	2286.9
1337.5	30°	1357.6	1364.9	1454.1	1565.3	1692.9	1725.7	1696.5	1656.4
982.2	32.5°	1000.4	1029.6	1071.5	1140.7	1226.4	1304.7	1290.1	1271.9
750.8	35°	772.6	816.4	851.0	903.8	949.4	1024.1	1036.9	1031.4
617.7	37.5°	630.5	668.8	703.4	734.4	772.6	823.7	863.7	865.6
510.2	40°	523.0	557.6	603.2	626.9	654.2	692.5	741.7	745.3
431.9	42.5°	441.0	473.8	519.3	548.5	568.5	605.0	654.2	661.5
369.9	45°	379.0	399.1	446.4	481.1	501.1	524.8	577.6	584.9
318.9	47.5°	329.8	349.9	379.0	428.2	446.4	468.3	510.2	523.0
282.4	50°	289.7	309.8	335.3	379.0	406.4	424.6	459.2	477.4
246.0	52.5°	256.9	277.0	304.3	338.9	369.9	386.3	419.1	442.8
200.4	55°	215.0	249.6	269.7	300.7	342.6	357.2	382.7	413.6
174.9	57.5°	187.7	216.8	246.0	271.5	313.4	331.6	357.2	386.3
138.5	60°	158.5	185.9	220.5	242.4	282.4	306.1	333.5	360.8
105.7	62.5°	125.7	162.2	185.9	216.8	255.1	286.1	308.0	335.3
82.0	65°	92.9	133.0	160.4	193.2	229.6	262.4	280.6	309.8
58.3	67.5°	67.4	103.9	136.7	167.6	202.3	235.1	253.3	278.8
36.4	70°	52.8	76.5	113.0	140.3	176.8	204.1	224.1	240.5
23.7	72.5°	31.0	58.3	91.1	122.1	154.9	173.1	187.7	202.3
10.9	75°	20.0	45.6	74.7	102.0	125.7	142.1	154.9	167.6
5.5	77.5°	12.8	32.8	60.1	85.6	96.6	116.6	127.6	134.8
3.6	80°	7.3	25.5	52.8	69.2	78.4	91.1	102.0	111.2
3.6	82.5°	5.5	21.9	43.7	58.3	58.3	72.9	78.4	78.4
1.8	85°	3.6	18.2	34.6	54.7	43.7	54.7	51.0	51.0
1.8	87.5°	3.6	12.8	16.4	23.7	20.0	23.7	23.7	27.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
166190.1  
160871.0  
153410.7  
140842.7  
125432.0  
108565.4  
92413.1  
76761.8  
63304.6  
51478.3  
41616.3  
26069.0  
16781.0  
11301.5  
7586.0  
4996.6  
3267.3  
2241.4  
1629.1  
1257.3  
1013.2  
852.8  
739.8  
656.0  
583.1  
524.8  
479.2  
442.8  
415.5  
388.1  
368.1  
348.0  
315.2  
280.6  
246.0  
205.9  
167.6  
131.2  
100.2  
72.9  
49.2  
27.3  
0.0

(END OF REPORT)