

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: P637009

Luminaire Tested: **IFLD-S-SA6B-722-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P637009  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6B-722-U-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (96) 2200K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24451.8 lumens  
Efficiency: N/A  
Efficacy: 99.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

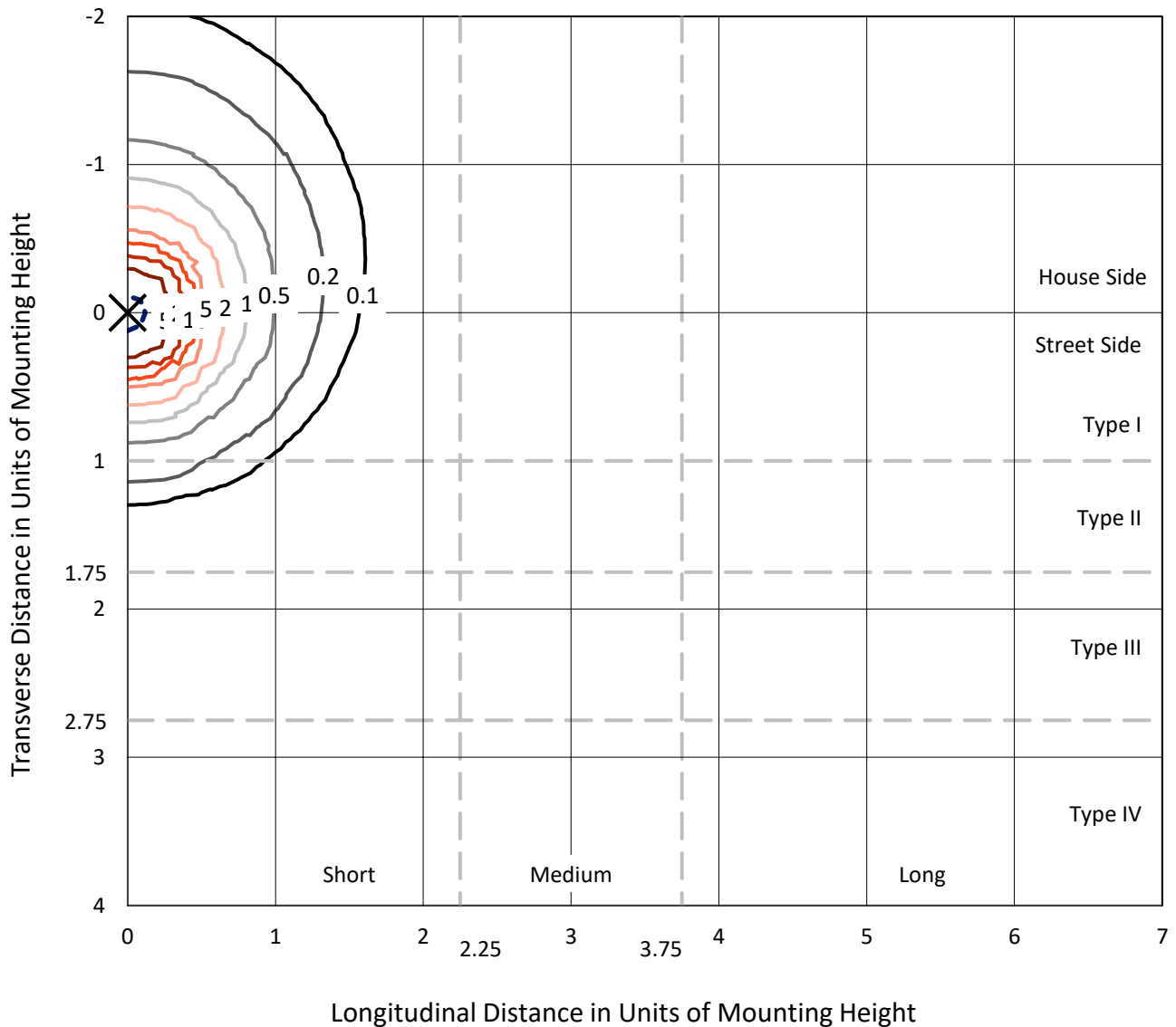
Input Watts (W): 244.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P637009  
 CATALOG NUMBER: IFLD-S-SA6B-722-U-33-VI

### Iso-Footcandle Lines of Horizontal Illumination

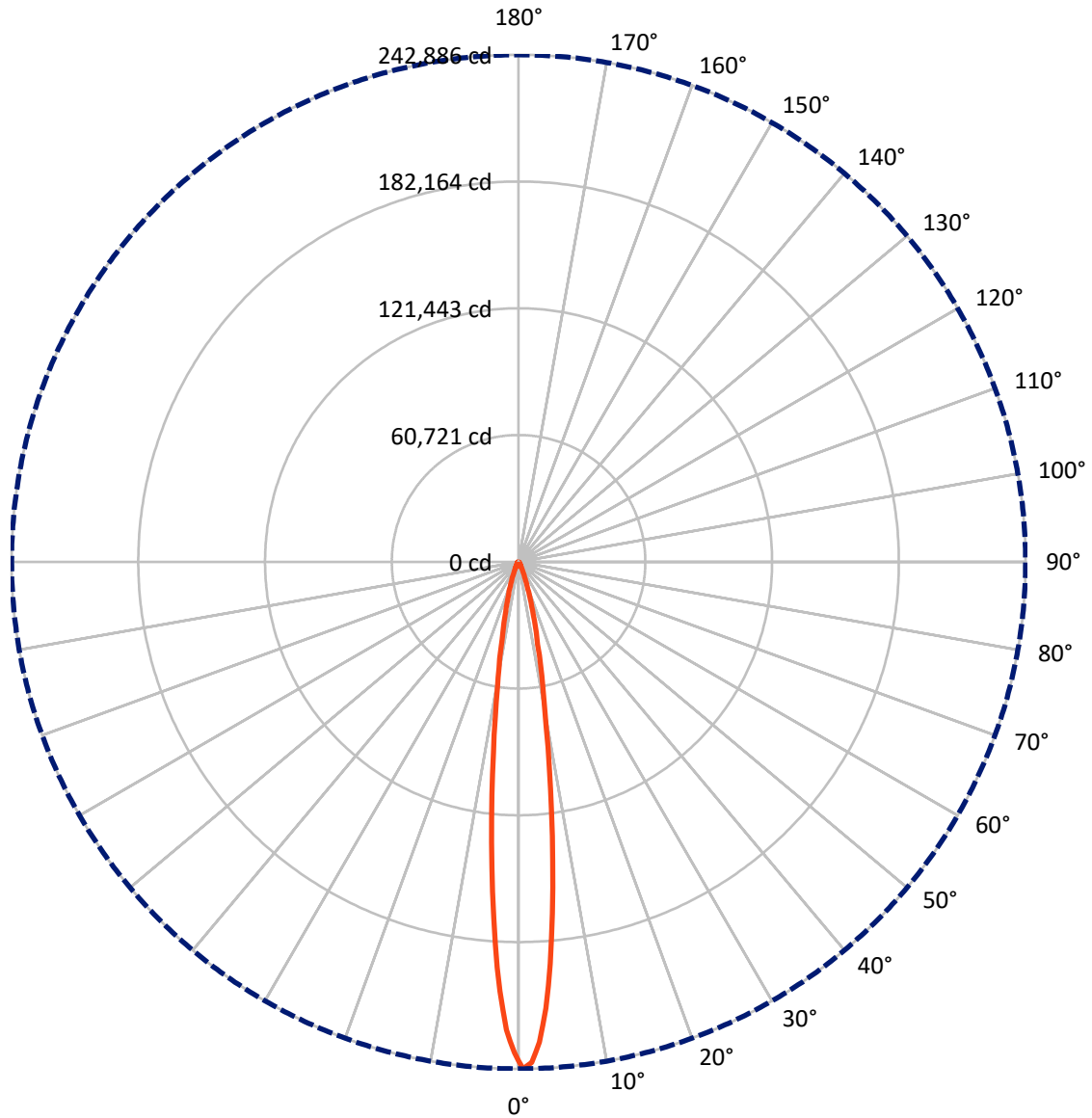
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 607.2 fc  
 Type V - Short - N/A

REPORT NUMBER: P637009  
CATALOG NUMBER: IFLD-S-SA6B-722-U-33-VI

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P637009  
 CATALOG NUMBER: IFLD-S-SA6B-722-U-33-VI

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12523.7	0.0	12523.7
	% Fixture	51.2	0.0	51.2
<b>Street Side</b>	Lumens	11928.0	0.0	11928.0
	% Fixture	48.8	0.0	48.8
<b>Total</b>	Lumens	24451.8	0.0	24451.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12344.0	50.5
10°-20°	7902.6	32.3
20°-30°	2375.4	9.7
30°-40°	773.4	3.2
40°-50°	450.0	1.8
50°-60°	298.9	1.2
60°-70°	179.9	0.7
70°-80°	92.5	0.4
80°-90°	35.1	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°	24451.8	100.0
0°-180°	24451.8	100.0

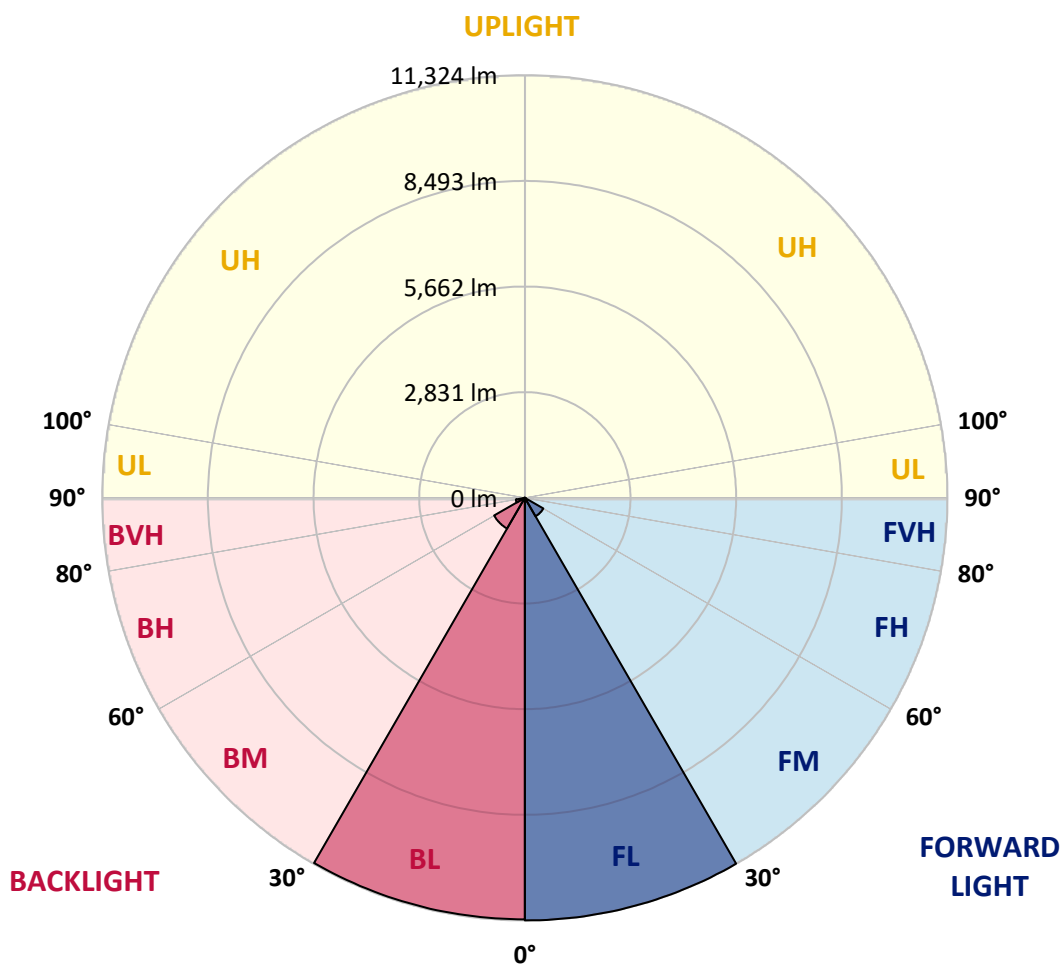


REPORT NUMBER: P637009  
 CATALOG NUMBER: IFLD-S-SA6B-722-U-33-VI

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	11324.4	46.3			
FM (30°-60°)	571.5	2.3			
FH (60°-80°)	26.9	0.1			G0/660
FVH (80°-90°)	5.3	0.0			G0/10
BL (0°-30°)	11297.5	46.2	B5		
BM (30°-60°)	950.9	3.9	B1/1000		
BH (60°-80°)	245.5	1.0	B1/500		G0/660
BVH (80°-90°)	29.8	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: P637009  
 CATALOG NUMBER: IFLD-S-SA6B-722-U-33-VI

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	242885.5	242885.5	242885.5	242885.5	242885.5	242885.5	242885.5	242885.5	242885.5	242885.5
1°	239977.3	239245.0	237354.1	238699.0	239881.5	239537.9	239513.9	239386.1	239207.7	240608.5
2°	230384.5	229910.5	227114.1	228267.3	229947.8	228722.7	229489.7	228815.9	228829.2	230501.7
3°	214213.6	214472.0	210011.1	212107.1	214442.7	211473.2	212394.7	214125.8	212312.1	211766.2
4°	193195.8	190953.3	188516.5	190647.1	191251.6	189523.2	191222.3	193342.2	190822.9	190934.7
5°	169200.4	167543.9	164659.7	165975.3	164475.9	165021.9	167567.9	168441.4	166683.7	164470.6
6°	144528.6	143351.5	139745.5	141641.7	141109.1	140800.2	144014.6	141351.4	142310.2	140970.6
7°	120219.0	118019.2	116248.2	118064.5	118181.7	117252.2	121425.5	120940.8	119196.4	118791.6
8°	99603.3	97408.8	95909.4	97262.3	98146.5	96687.1	98649.9	99938.8	98575.3	98697.8
9°	80335.1	79948.9	77863.7	79632.0	80593.4	79030.1	81203.3	81669.4	80393.7	81014.2
10°	65961.9	65511.8	63847.3	64563.7	66156.3	64292.1	66377.3	66529.1	65511.8	65802.1
12.5°	40762.8	40581.7	40536.4	40640.3	40619.0	40949.2	41481.8	40874.6	40794.7	39790.7
15°	26346.9	26615.9	26338.9	26871.6	26948.8	27260.4	26935.5	26445.5	25510.7	25047.3
17.5°	16442.5	16786.1	17260.1	18040.4	18820.8	18911.3	18479.9	17904.6	17451.9	16956.5
20°	9459.6	9627.4	9555.5	10490.3	12509.0	13057.6	12501.0	11896.5	11350.5	10849.8
22.5°	5877.7	5816.4	5928.3	6242.5	6900.3	8596.8	8141.4	7536.8	7140.0	6727.2
25°	3603.3	3669.9	3627.3	3800.4	4096.0	4815.0	4918.9	4657.9	4455.5	4242.5
27.5°	2319.6	2319.6	2338.3	2434.2	2636.6	2612.6	3166.5	2964.1	2854.9	2751.1
30°	1611.2	1616.6	1616.6	1672.5	1717.8	1637.9	1781.7	2042.7	1992.1	1912.2
32.5°	1195.8	1211.8	1225.1	1254.4	1217.1	1131.9	1166.5	1470.1	1440.8	1411.5
35°	910.8	924.1	956.1	972.1	918.8	865.5	833.6	1081.3	1094.6	1086.6
37.5°	663.1	671.1	729.7	791.0	729.7	681.8	663.1	830.9	894.8	886.8
40°	508.7	511.3	522.0	591.2	591.2	553.9	559.3	620.5	732.4	732.4
42.5°	436.8	436.8	447.4	436.8	439.4	479.4	492.7	500.7	620.5	620.5
45°	378.2	378.2	383.5	356.9	330.2	412.8	423.4	426.1	522.0	535.3
47.5°	316.9	316.9	327.6	293.0	279.6	327.6	356.9	364.9	450.1	460.7
50°	234.4	237.0	269.0	239.7	247.7	253.0	308.9	314.3	380.8	404.8
52.5°	157.1	157.1	162.5	186.4	215.7	207.7	250.3	269.0	303.6	335.6
55°	127.8	127.8	125.2	119.8	159.8	173.1	183.8	223.7	247.7	287.6
57.5°	87.9	93.2	85.2	98.5	103.9	130.5	138.5	175.8	189.1	242.4
60°	10.7	13.3	18.6	71.9	69.2	87.9	103.9	138.5	154.5	186.4
62.5°	2.7	2.7	5.3	13.3	47.9	58.6	82.6	95.9	111.9	143.8
65°	0.0	0.0	2.7	5.3	10.7	32.0	42.6	55.9	79.9	101.2
67.5°	0.0	0.0	2.7	5.3	5.3	13.3	21.3	34.6	42.6	74.6
70°	0.0	0.0	2.7	5.3	5.3	10.7	13.3	16.0	29.3	39.9
72.5°	0.0	0.0	2.7	5.3	8.0	10.7	13.3	13.3	13.3	26.6
75°	0.0	0.0	2.7	5.3	8.0	10.7	13.3	13.3	10.7	10.7
77.5°	0.0	0.0	2.7	5.3	10.7	13.3	16.0	13.3	8.0	8.0
80°	0.0	0.0	2.7	8.0	13.3	18.6	21.3	16.0	8.0	5.3
82.5°	0.0	0.0	5.3	10.7	16.0	21.3	29.3	24.0	10.7	5.3
85°	0.0	0.0	2.7	8.0	16.0	21.3	42.6	29.3	13.3	2.7
87.5°	0.0	0.0	0.0	2.7	2.7	5.3	16.0	10.7	5.3	2.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P637009  
 CATALOG NUMBER: IFLD-S-SA6B-722-U-33-VI

**CANDELA DISTRIBUTION (continued):**

90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
242885.5	0°	242885.5	242885.5	242885.5	242885.5	242885.5	242885.5	242885.5	242885.5
238992.0	1°	240661.8	240829.6	240280.9	241130.5	240832.2	239085.2	238507.3	237822.8
229519.0	2°	228815.9	229670.8	229713.4	230656.2	230642.9	228605.5	227974.3	229138.2
212874.1	3°	212229.6	213225.6	212328.1	214003.3	213499.9	211028.5	210386.6	211707.6
191818.9	4°	191246.3	191057.2	190748.3	189794.9	190969.3	189283.5	188013.2	189805.5
167405.4	5°	167069.9	166649.1	166047.2	165764.9	166638.4	165559.8	162947.2	165565.2
143394.1	6°	143569.9	141758.9	141671.0	141513.9	141601.8	138581.7	138762.8	140712.3
117398.7	7°	118639.8	118972.7	118293.5	119382.8	118551.9	116506.5	115718.2	117771.6
99235.8	8°	98543.3	98122.6	97603.2	99230.4	97789.7	96447.4	95528.6	97150.5
81115.4	9°	80963.6	80236.6	79709.3	79626.7	79850.4	77331.0	77842.4	79070.1
65961.9	10°	65985.8	64792.7	65083.0	65160.3	64915.2	63264.1	63280.0	63703.5
40456.5	12.5°	40312.7	39726.8	39873.3	39953.2	40451.2	39870.6	39050.3	38459.1
25508.0	15°	25337.6	24916.8	25777.0	26354.9	26237.7	25721.1	25334.9	24799.6
16956.5	17.5°	16799.4	17350.7	17353.3	17880.7	17933.9	17417.3	17119.0	16636.9
11028.3	20°	10988.3	11217.4	11694.1	12066.9	12282.6	11888.5	11531.6	11201.4
6876.4	22.5°	6876.4	7275.8	7574.1	8058.8	8255.9	7968.3	7715.3	7446.3
4293.1	25°	4221.2	4506.1	4753.8	5174.6	5443.6	5305.1	5073.4	4884.3
2772.4	27.5°	2815.0	2934.8	3057.3	3347.6	3627.3	3550.0	3456.8	3342.3
1954.8	30°	1984.1	1994.7	2125.2	2287.7	2474.1	2522.0	2479.4	2420.8
1435.5	32.5°	1462.1	1504.7	1566.0	1667.2	1792.3	1906.8	1885.5	1858.9
1097.2	35°	1129.2	1193.1	1243.7	1320.9	1387.5	1496.7	1515.4	1507.4
902.8	37.5°	921.5	977.4	1028.0	1073.3	1129.2	1203.8	1262.4	1265.0
745.7	40°	764.3	814.9	881.5	916.1	956.1	1012.0	1083.9	1089.2
631.2	42.5°	644.5	692.4	759.0	801.6	830.9	884.2	956.1	966.7
540.6	45°	553.9	583.2	652.5	703.1	732.4	767.0	844.2	854.9
466.1	47.5°	482.0	511.3	553.9	625.8	652.5	684.4	745.7	764.3
412.8	50°	423.4	452.7	490.0	553.9	593.9	620.5	671.1	697.8
359.5	52.5°	375.5	404.8	444.8	495.4	540.6	564.6	612.5	647.2
293.0	55°	314.3	364.9	394.2	439.4	500.7	522.0	559.3	604.5
255.7	57.5°	274.3	316.9	359.5	396.8	458.1	484.7	522.0	564.6
202.4	60°	231.7	271.6	322.2	354.2	412.8	447.4	487.4	527.3
154.5	62.5°	183.8	237.0	271.6	316.9	372.8	418.1	450.1	490.0
119.8	65°	135.8	194.4	234.4	282.3	335.6	383.5	410.1	452.7
85.2	67.5°	98.5	151.8	199.7	245.0	295.6	343.6	370.2	407.5
53.3	70°	77.2	111.9	165.1	205.1	258.3	298.3	327.6	351.5
34.6	72.5°	45.3	85.2	133.2	178.4	226.4	253.0	274.3	295.6
16.0	75°	29.3	66.6	109.2	149.1	183.8	207.7	226.4	245.0
8.0	77.5°	18.6	47.9	87.9	125.2	141.1	170.4	186.4	197.1
5.3	80°	10.7	37.3	77.2	101.2	114.5	133.2	149.1	162.5
5.3	82.5°	8.0	32.0	63.9	85.2	85.2	106.5	114.5	114.5
2.7	85°	5.3	26.6	50.6	79.9	63.9	79.9	74.6	74.6
2.7	87.5°	5.3	18.6	24.0	34.6	29.3	34.6	34.6	39.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
242885.5  
235111.7  
224208.6  
205840.6  
183318.0  
158667.5  
135061.0  
112186.9  
92519.2  
75235.1  
60821.9  
38099.6  
24525.3  
16517.1  
11086.9  
7302.5  
4775.1  
3275.7  
2380.9  
1837.6  
1480.7  
1246.4  
1081.3  
958.7  
852.2  
767.0  
700.4  
647.2  
607.2  
567.3  
538.0  
508.7  
460.7  
410.1  
359.5  
300.9  
245.0  
191.7  
146.5  
106.5  
71.9  
39.9  
0.0

(END OF REPORT)