

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: P637127

Luminaire Tested: **IFLD-S-SA6D-740-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P637127  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6D-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: 45469.6 lumens  
Efficiency: N/A  
Efficacy: 123.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

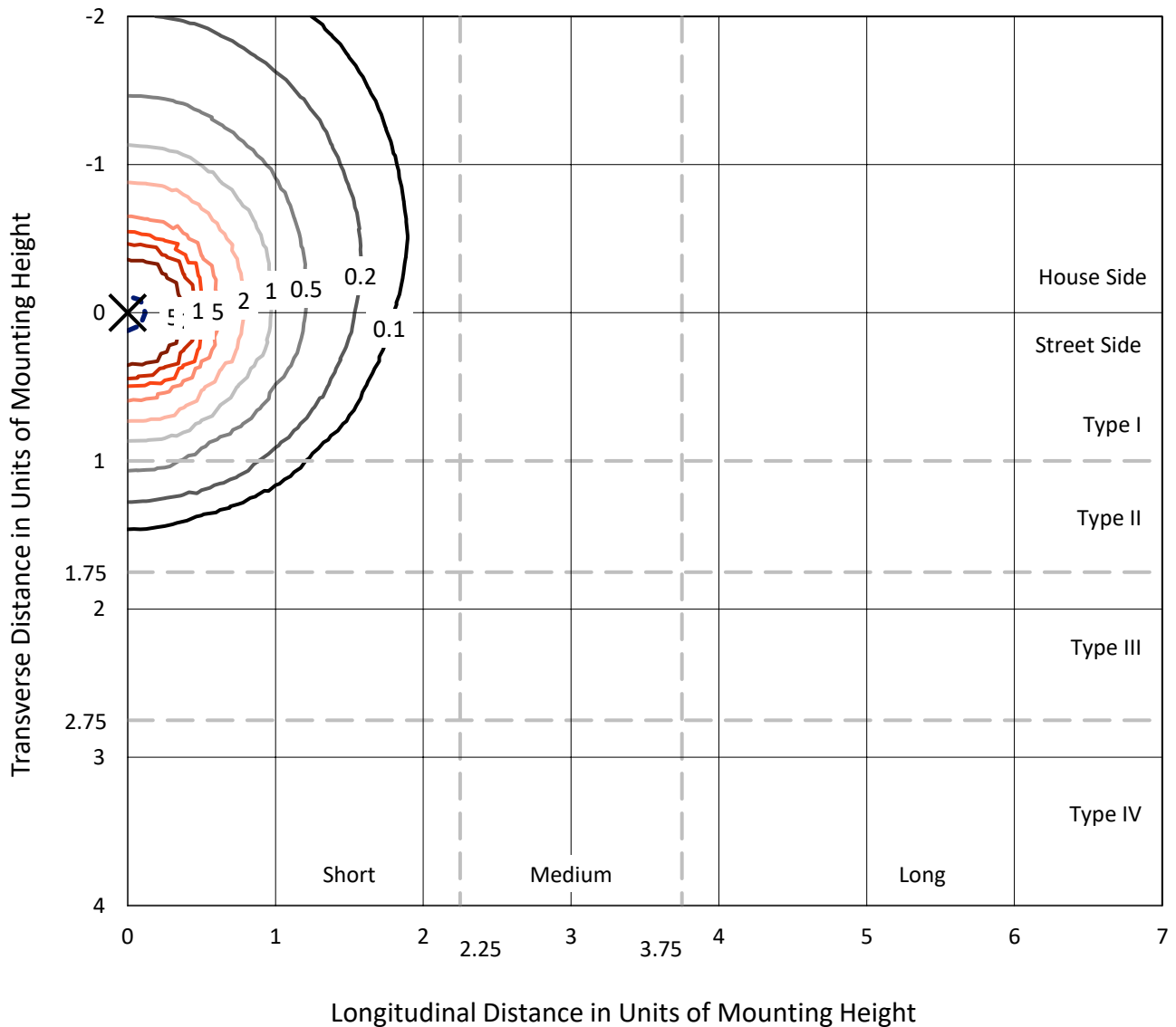
Input Watts (W): 368.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P637127  
 CATALOG NUMBER: IFLD-S-SA6D-740-U-33-VI

### Iso-Footcandle Lines of Horizontal Illumination

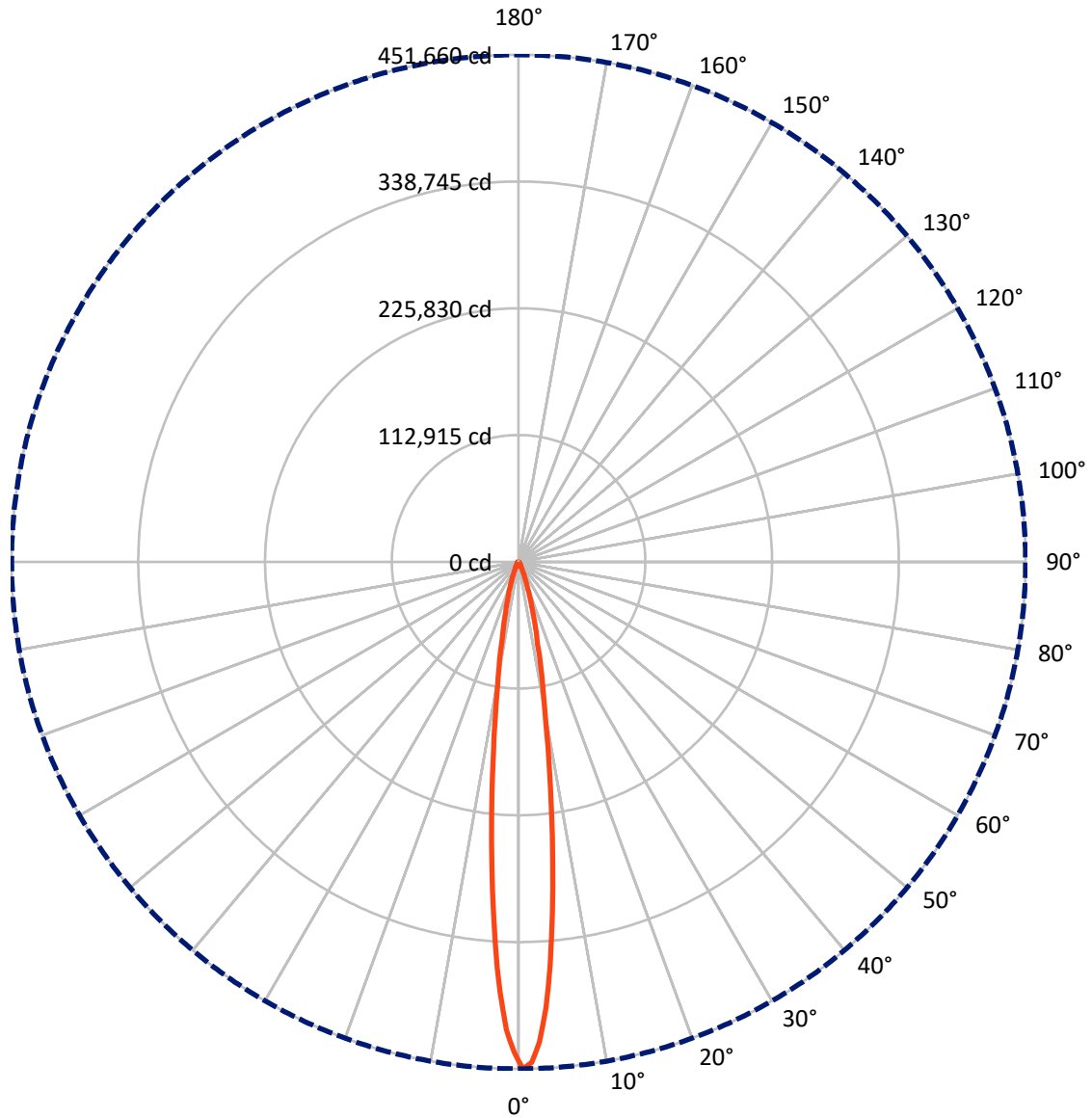
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1129.1 fc  
 Type V - Short - N/A

REPORT NUMBER: P637127  
CATALOG NUMBER: IFLD-S-SA6D-740-U-33-VI

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P637127  
 CATALOG NUMBER: IFLD-S-SA6D-740-U-33-VI

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	23288.7	0.0	23288.7
	% Fixture	51.2	0.0	51.2
<b>Street Side</b>	Lumens	22180.9	0.0	22180.9
	% Fixture	48.8	0.0	48.8
<b>Total</b>	Lumens	45469.6	0.0	45469.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	22954.4	50.5
10°-20°	14695.3	32.3
20°-30°	4417.1	9.7
30°-40°	1438.2	3.2
40°-50°	836.8	1.8
50°-60°	555.8	1.2
60°-70°	334.6	0.7
70°-80°	172.0	0.4
80°-90°	65.3	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°	45469.6	100.0
0°-180°	45469.6	100.0

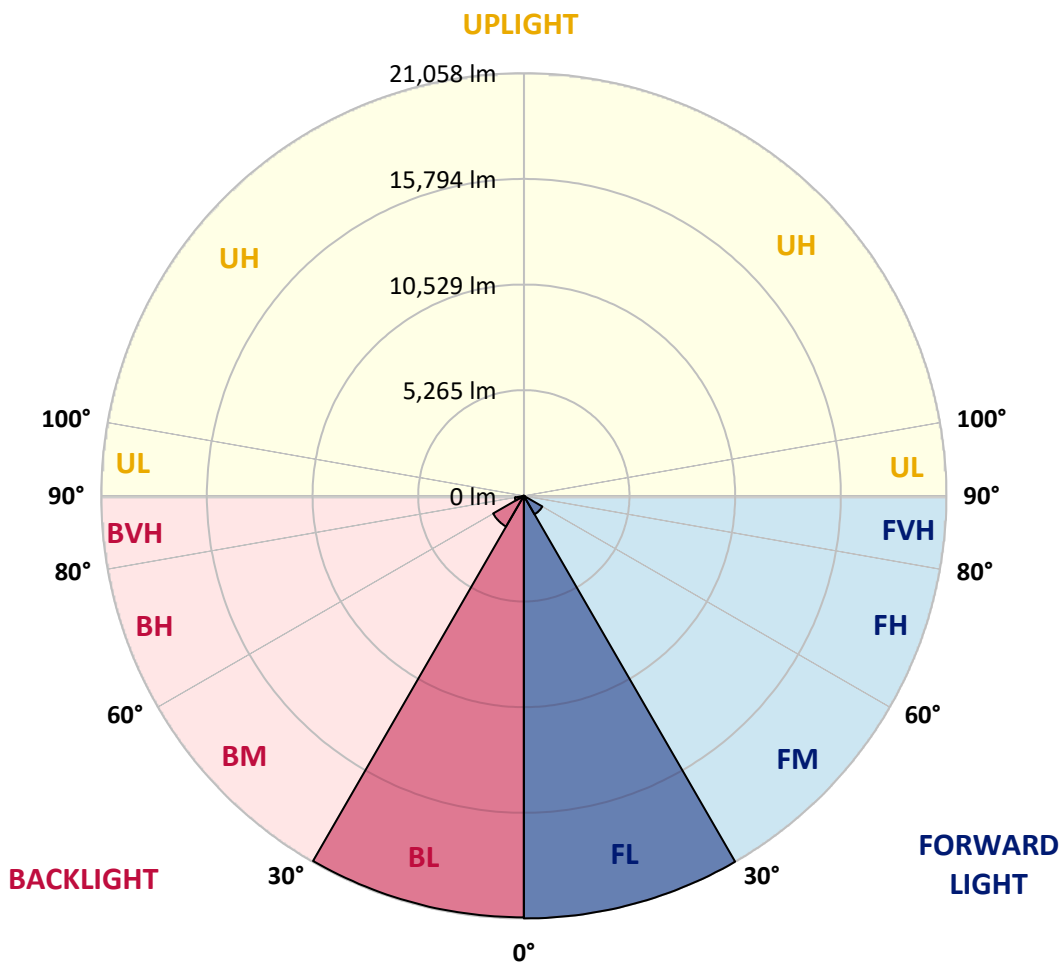


REPORT NUMBER: P637127  
 CATALOG NUMBER: IFLD-S-SA6D-740-U-33-VI

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	21058.4	46.3			
FM (30°-60°)	1062.7	2.3			
FH (60°-80°)	50.0	0.1			G0/660
FVH (80°-90°)	9.9	0.0			G0/10
BL (0°-30°)	21008.4	46.2	B5		
BM (30°-60°)	1768.2	3.9	B2/2500		
BH (60°-80°)	456.5	1.0	B1/500		G0/660
BVH (80°-90°)	55.5	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





REPORT NUMBER: P637127  
 CATALOG NUMBER: IFLD-S-SA6D-740-U-33-VI

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	451659.9	451659.9	451659.9	451659.9	451659.9	451659.9	451659.9	451659.9	451659.9	451659.9
1°	446251.9	444890.0	441373.8	443874.8	446073.6	445434.8	445390.2	445152.5	444820.7	447425.6
2°	428413.5	427532.0	422332.0	424476.4	427601.3	425323.3	426749.5	425496.6	425521.4	428631.4
3°	398342.8	398823.2	390528.0	394425.5	398768.7	393246.8	394960.4	398179.4	394806.8	393791.6
4°	359258.8	355088.9	350557.5	354519.4	355643.6	352429.5	355589.1	359531.2	354846.3	355054.3
5°	314638.1	311557.7	306194.3	308640.8	305852.6	306867.8	311602.3	313226.7	309958.1	305842.7
6°	268759.5	266570.5	259865.0	263391.1	262400.6	261826.2	267803.6	262851.3	264634.1	262143.1
7°	223554.3	219463.7	216170.4	219547.9	219765.8	218037.4	225797.8	224896.4	221652.6	220899.9
8°	185218.1	181137.4	178349.2	180865.0	182509.2	179795.3	183445.2	185842.1	183306.5	183534.3
9°	149387.8	148669.8	144792.1	148080.4	149868.2	146961.2	151002.3	151869.0	149496.8	150650.7
10°	122660.0	121823.0	118727.8	120060.0	123021.5	119554.8	123432.5	123714.8	121823.0	122362.8
12.5°	75800.8	75464.0	75379.8	75573.0	75533.3	76147.4	77137.9	76008.8	75860.2	73993.2
15°	48993.7	49493.9	48978.8	49969.3	50112.9	50692.3	50088.1	49176.9	47438.6	46576.9
17.5°	30575.9	31214.7	32096.2	33547.3	34998.3	35166.7	34364.4	33294.7	32452.8	31531.7
20°	17590.8	17902.8	17769.1	19507.3	23261.2	24281.4	23246.4	22122.2	21106.9	20175.9
22.5°	10929.9	10815.9	11023.9	11608.3	12831.6	15986.2	15139.4	14015.2	13277.3	12509.7
25°	6700.5	6824.3	6745.1	7067.0	7616.7	8953.9	9147.0	8661.7	8285.3	7889.1
27.5°	4313.5	4313.5	4348.2	4526.5	4902.8	4858.3	5888.4	5512.0	5308.9	5115.8
30°	2996.2	3006.1	3006.1	3110.1	3194.3	3045.7	3313.1	3798.5	3704.4	3555.8
32.5°	2223.6	2253.3	2278.1	2332.6	2263.2	2104.8	2169.1	2733.7	2679.2	2624.7
35°	1693.7	1718.5	1777.9	1807.6	1708.6	1609.5	1550.1	2010.7	2035.4	2020.6
37.5°	1233.1	1248.0	1356.9	1470.8	1356.9	1267.8	1233.1	1545.1	1664.0	1649.1
40°	945.9	950.9	970.7	1099.4	1099.4	1030.1	1040.0	1153.9	1361.9	1361.9
42.5°	812.2	812.2	832.0	812.2	817.1	891.4	916.2	931.0	1153.9	1153.9
45°	703.2	703.2	713.1	663.6	614.1	767.6	787.4	792.4	970.7	995.4
47.5°	589.3	589.3	609.1	544.8	520.0	609.1	663.6	678.5	836.9	856.8
50°	435.8	440.8	500.2	445.7	460.6	470.5	574.5	584.4	708.2	752.8
52.5°	292.2	292.2	302.1	346.7	401.1	386.3	465.5	500.2	564.6	624.0
55°	237.7	237.7	232.8	222.9	297.1	321.9	341.7	416.0	460.6	534.9
57.5°	163.4	173.3	158.5	183.2	193.1	242.7	257.5	326.9	351.6	450.7
60°	19.8	24.8	34.7	133.7	128.8	163.4	193.1	257.5	287.2	346.7
62.5°	5.0	5.0	9.9	24.8	89.1	109.0	153.5	178.3	208.0	267.4
65°	0.0	0.0	5.0	9.9	19.8	59.4	79.2	104.0	148.6	188.2
67.5°	0.0	0.0	5.0	9.9	9.9	24.8	39.6	64.4	79.2	138.7
70°	0.0	0.0	5.0	9.9	9.9	19.8	24.8	29.7	54.5	74.3
72.5°	0.0	0.0	5.0	9.9	14.9	19.8	24.8	24.8	24.8	49.5
75°	0.0	0.0	5.0	9.9	14.9	19.8	24.8	24.8	19.8	19.8
77.5°	0.0	0.0	5.0	9.9	19.8	24.8	29.7	24.8	14.9	14.9
80°	0.0	0.0	5.0	14.9	24.8	34.7	39.6	29.7	14.9	9.9
82.5°	0.0	0.0	9.9	19.8	29.7	39.6	54.5	44.6	19.8	9.9
85°	0.0	0.0	5.0	14.9	29.7	39.6	79.2	54.5	24.8	5.0
87.5°	0.0	0.0	0.0	5.0	5.0	9.9	29.7	19.8	9.9	5.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P637127

CATALOG NUMBER: IFLD-S-SA6D-740-U-33-VI

**CANDELA DISTRIBUTION (continued):**

90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
451659.9	0°	451659.9	451659.9	451659.9	451659.9	451659.9	451659.9	451659.9	451659.9
444419.5	1°	447524.7	447836.7	446816.5	448396.3	447841.6	444592.9	443518.2	442245.5
426804.0	2°	425496.6	427086.3	427165.5	428918.7	428893.9	425105.4	423931.6	426095.8
395851.8	3°	394653.3	396505.5	394836.6	397951.6	397015.6	392419.8	391226.3	393682.7
356698.5	4°	355633.7	355282.1	354707.6	352934.7	355118.7	351983.8	349621.5	352954.5
311300.2	5°	310676.2	309893.7	308774.5	308249.5	309873.9	307868.2	303010.0	307878.1
266649.7	6°	266976.6	263609.0	263445.6	263153.4	263316.8	257700.8	258037.6	261662.7
218309.8	7°	220617.6	221236.6	219973.8	221999.3	220454.2	216650.8	215184.9	219003.1
184534.7	8°	183247.1	182464.6	181498.9	184524.8	181845.6	179349.6	177641.0	180657.0
150838.9	9°	150556.6	149204.6	148224.0	148070.5	148486.5	143801.6	144752.4	147035.5
122660.0	10°	122704.5	120485.9	121025.7	121169.3	120713.7	117643.2	117673.0	118460.4
75231.3	12.5°	74963.8	73874.3	74146.7	74295.3	75221.3	74141.7	72616.4	71517.0
47433.7	15°	47116.7	46334.3	47933.9	49008.5	48790.6	47829.9	47111.8	46116.3
31531.7	17.5°	31239.5	32264.6	32269.6	33250.1	33349.2	32388.4	31833.7	30937.4
20507.7	20°	20433.4	20859.3	21745.8	22439.1	22840.3	22107.3	21443.7	20829.6
12787.0	22.5°	12787.0	13529.8	14084.5	14985.8	15352.3	14817.5	14347.0	13846.8
7983.2	25°	7849.5	8379.4	8840.0	9622.4	10122.6	9865.1	9434.2	9082.6
5155.4	27.5°	5234.6	5457.5	5685.3	6225.1	6745.1	6601.5	6428.2	6215.2
3635.0	30°	3689.5	3709.3	3952.0	4254.1	4600.7	4689.9	4610.6	4501.7
2669.3	32.5°	2718.8	2798.1	2912.0	3100.2	3332.9	3545.9	3506.3	3456.7
2040.4	35°	2099.8	2218.7	2312.8	2456.4	2580.2	2783.2	2817.9	2803.0
1678.8	37.5°	1713.5	1817.5	1911.6	1995.8	2099.8	2238.5	2347.4	2352.4
1386.7	40°	1421.3	1515.4	1639.2	1703.6	1777.9	1881.9	2015.6	2025.5
1173.7	42.5°	1198.5	1287.6	1411.4	1490.7	1545.1	1644.2	1777.9	1797.7
1005.3	45°	1030.1	1084.6	1213.3	1307.4	1361.9	1426.3	1569.9	1589.7
866.7	47.5°	896.4	950.9	1030.1	1163.8	1213.3	1272.8	1386.7	1421.3
767.6	50°	787.4	841.9	911.2	1030.1	1104.4	1153.9	1248.0	1297.5
668.6	52.5°	698.3	752.8	827.0	921.1	1005.3	1049.9	1139.0	1203.4
544.8	55°	584.4	678.5	732.9	817.1	931.0	970.7	1040.0	1124.2
475.4	57.5°	510.1	589.3	668.6	737.9	851.8	901.3	970.7	1049.9
376.4	60°	430.9	505.1	599.2	658.7	767.6	832.0	906.3	980.6
287.2	62.5°	341.7	440.8	505.1	589.3	693.3	777.5	836.9	911.2
222.9	65°	252.6	361.5	435.8	524.9	624.0	713.1	762.7	841.9
158.5	67.5°	183.2	282.3	371.4	455.6	549.7	638.9	688.4	757.7
99.0	70°	143.6	208.0	307.0	381.3	480.4	554.7	609.1	653.7
64.4	72.5°	84.2	158.5	247.6	331.8	421.0	470.5	510.1	549.7
29.7	75°	54.5	123.8	203.0	277.3	341.7	386.3	421.0	455.6
14.9	77.5°	34.7	89.1	163.4	232.8	262.5	317.0	346.7	366.5
9.9	80°	19.8	69.3	143.6	188.2	213.0	247.6	277.3	302.1
9.9	82.5°	14.9	59.4	118.9	158.5	158.5	198.1	213.0	213.0
5.0	85°	9.9	49.5	94.1	148.6	118.9	148.6	138.7	138.7
5.0	87.5°	9.9	34.7	44.6	64.4	54.5	64.4	64.4	74.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
451659.9  
437204.0  
416929.0  
382772.6  
340890.5  
295051.5  
251153.8  
208618.0  
172044.9  
139904.1  
113101.9  
70848.4  
45606.3  
30714.5  
20616.7  
13579.4  
8879.6  
6091.4  
4427.4  
3417.1  
2753.5  
2317.7  
2010.7  
1782.8  
1584.8  
1426.3  
1302.5  
1203.4  
1129.1  
1054.9  
1000.4  
945.9  
856.8  
762.7  
668.6  
559.6  
455.6  
356.6  
272.4  
198.1  
133.7  
74.3  
0.0

(END OF REPORT)