

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: P637129

Luminaire Tested: **IFLD-M-SA4A-740-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P637129  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4A-740-U-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (64) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18365.4 lumens  
Efficiency: N/A  
Efficacy: 142.8 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

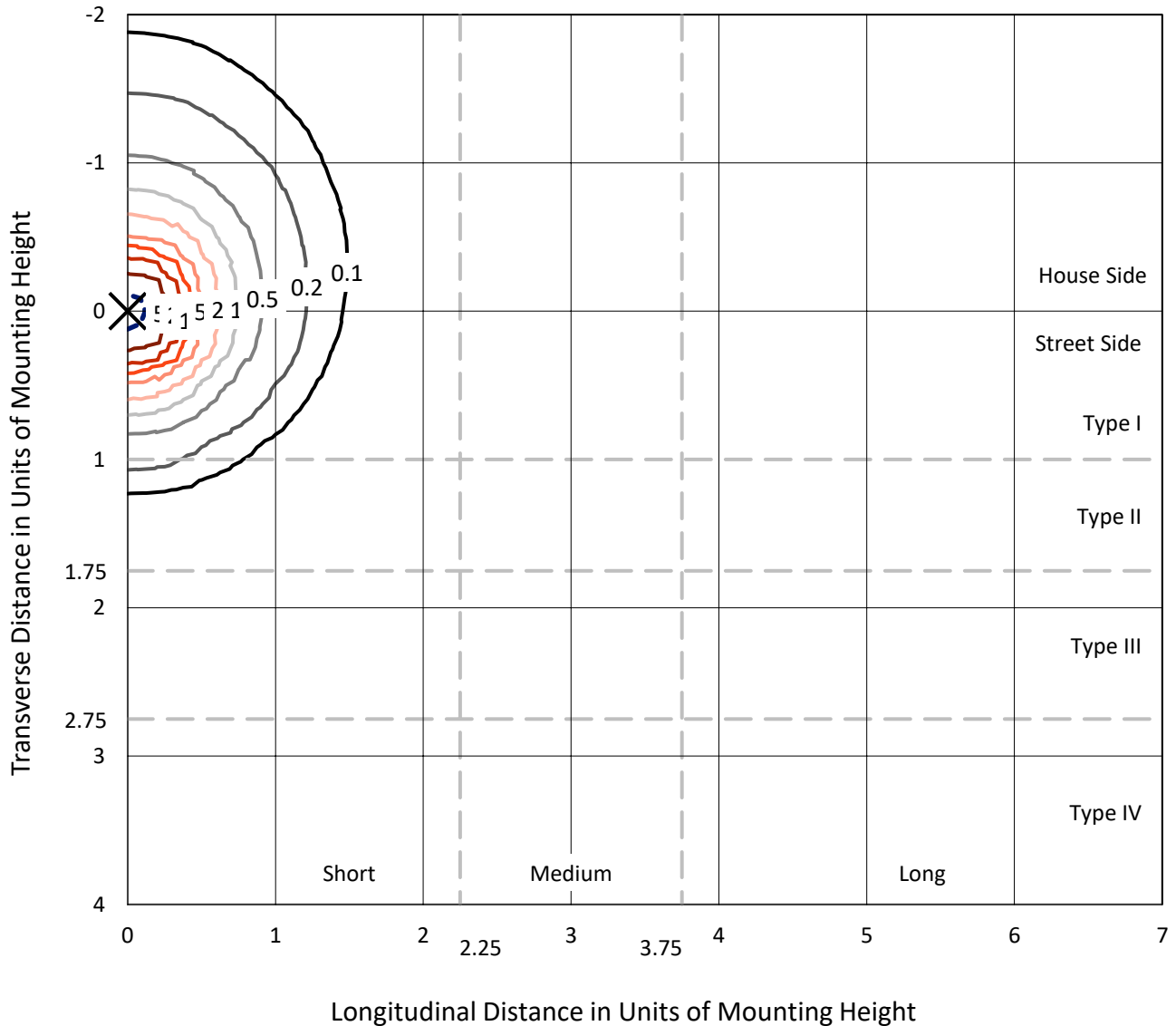
Input Watts (W): 128.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P637129  
 CATALOG NUMBER: IFLD-M-SA4A-740-U-33-VI

### Iso-Footcandle Lines of Horizontal Illumination

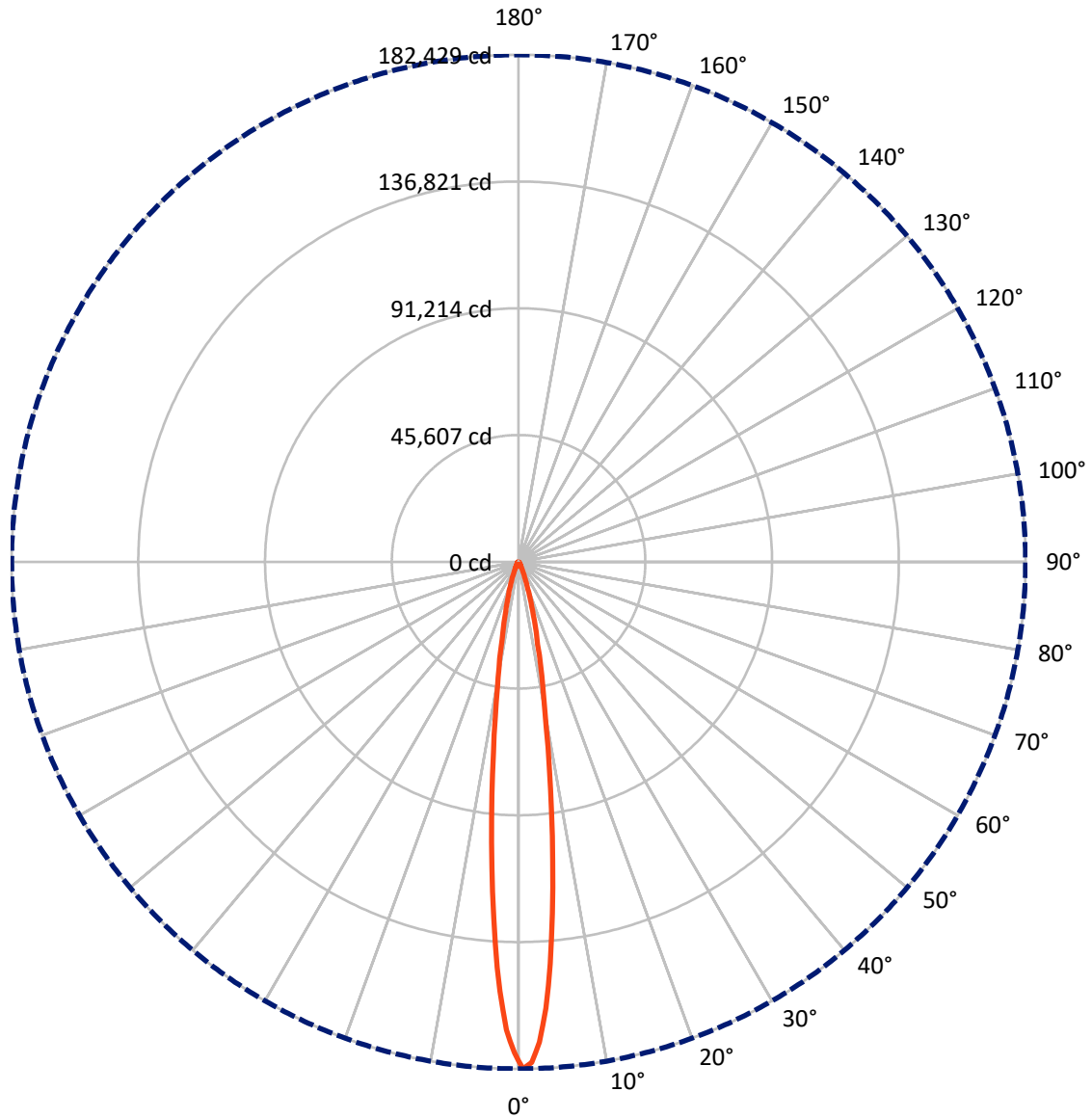
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 456.1 fc  
 Type V - Short - N/A

REPORT NUMBER: P637129  
CATALOG NUMBER: IFLD-M-SA4A-740-U-33-VI

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P637129  
 CATALOG NUMBER: IFLD-M-SA4A-740-U-33-VI

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9406.4	0.0	9406.4
	% Fixture	51.2	0.0	51.2
<b>Street Side</b>	Lumens	8959.0	0.0	8959.0
	% Fixture	48.8	0.0	48.8
<b>Total</b>	Lumens	18365.4	0.0	18365.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9271.4	50.5
10°-20°	5935.5	32.3
20°-30°	1784.1	9.7
30°-40°	580.9	3.2
40°-50°	338.0	1.8
50°-60°	224.5	1.2
60°-70°	135.1	0.7
70°-80°	69.5	0.4
80°-90°	26.4	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°	18365.4	100.0
0°-180°	18365.4	100.0

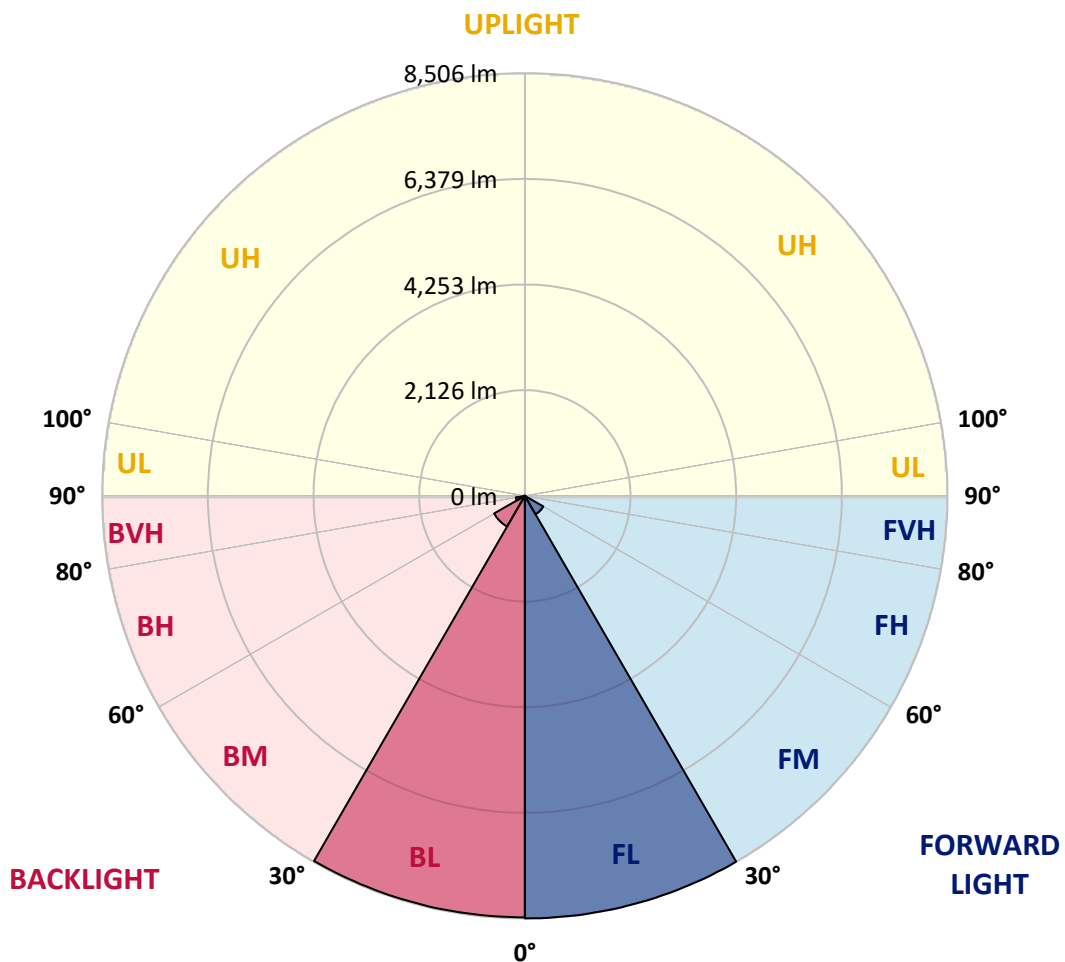


REPORT NUMBER: P637129  
 CATALOG NUMBER: IFLD-M-SA4A-740-U-33-VI

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8505.6	46.3			
FM (30°-60°)	429.2	2.3			
FH (60°-80°)	20.2	0.1			G0/660
FVH (80°-90°)	4.0	0.0			G0/10
BL (0°-30°)	8485.5	46.2	B5		
BM (30°-60°)	714.2	3.9	B1/1000		
BH (60°-80°)	184.4	1.0	B1/500		G0/660
BVH (80°-90°)	22.4	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: P637129  
 CATALOG NUMBER: IFLD-M-SA4A-740-U-33-VI

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	182428.6	182428.6	182428.6	182428.6	182428.6	182428.6	182428.6	182428.6	182428.6	182428.6
1°	180244.2	179694.2	178274.0	179284.1	180172.2	179914.2	179896.2	179800.2	179666.2	180718.3
2°	173039.2	172683.1	170582.8	171449.0	172711.1	171791.0	172367.1	171861.0	171871.0	173127.2
3°	160893.4	161087.4	157737.0	159311.2	161065.4	158835.1	159527.2	160827.4	159465.2	159055.2
4°	145107.1	143422.9	141592.6	143192.8	143646.9	142348.7	143624.9	145217.1	143324.9	143408.9
5°	127084.5	125840.3	123674.0	124662.1	123536.0	123946.0	125858.3	126514.4	125194.2	123532.0
6°	108553.8	107669.7	104961.3	106385.5	105985.4	105753.4	108167.7	106167.5	106887.6	105881.4
7°	90295.1	88642.9	87312.7	88676.9	88764.9	88066.8	91201.3	90837.2	89527.0	89223.0
8°	74810.9	73162.7	72036.5	73052.6	73716.7	72620.6	74094.8	75062.9	74038.8	74130.8
9°	60338.8	60048.7	58482.5	59810.7	60532.8	59358.6	60990.9	61340.9	60382.8	60848.9
10°	49543.2	49205.2	47955.0	48493.1	49689.2	48289.0	49855.3	49969.3	49205.2	49423.2
12.5°	30616.5	30480.4	30446.4	30524.4	30508.4	30756.5	31156.5	30700.5	30640.5	29886.4
15°	19788.9	19990.9	19782.9	20182.9	20240.9	20475.0	20230.9	19862.9	19160.8	18812.7
17.5°	12349.8	12607.8	12963.9	13550.0	14136.1	14204.1	13880.0	13448.0	13107.9	12735.9
20°	7105.0	7231.1	7177.0	7879.1	9395.4	9807.4	9389.4	8935.3	8525.2	8149.2
22.5°	4414.6	4368.6	4452.6	4688.7	5182.8	6456.9	6114.9	5660.8	5362.8	5052.7
25°	2706.4	2756.4	2724.4	2854.4	3076.4	3616.5	3694.5	3498.5	3346.5	3186.5
27.5°	1742.3	1742.3	1756.3	1828.3	1980.3	1962.3	2378.3	2226.3	2144.3	2066.3
30°	1210.2	1214.2	1214.2	1256.2	1290.2	1230.2	1338.2	1534.2	1496.2	1436.2
32.5°	898.1	910.1	920.1	942.1	914.1	850.1	876.1	1104.2	1082.2	1060.2
35°	684.1	694.1	718.1	730.1	690.1	650.1	626.1	812.1	822.1	816.1
37.5°	498.1	504.1	548.1	594.1	548.1	512.1	498.1	624.1	672.1	666.1
40°	382.1	384.1	392.1	444.1	444.1	416.1	420.1	466.1	550.1	550.1
42.5°	328.0	328.0	336.0	328.0	330.0	360.1	370.1	376.1	466.1	466.1
45°	284.0	284.0	288.0	268.0	248.0	310.0	318.0	320.0	392.1	402.1
47.5°	238.0	238.0	246.0	220.0	210.0	246.0	268.0	274.0	338.0	346.1
50°	176.0	178.0	202.0	180.0	186.0	190.0	232.0	236.0	286.0	304.0
52.5°	118.0	118.0	122.0	140.0	162.0	156.0	188.0	202.0	228.0	252.0
55°	96.0	96.0	94.0	90.0	120.0	130.0	138.0	168.0	186.0	216.0
57.5°	66.0	70.0	64.0	74.0	78.0	98.0	104.0	132.0	142.0	182.0
60°	8.0	10.0	14.0	54.0	52.0	66.0	78.0	104.0	116.0	140.0
62.5°	2.0	2.0	4.0	10.0	36.0	44.0	62.0	72.0	84.0	108.0
65°	0.0	0.0	2.0	4.0	8.0	24.0	32.0	42.0	60.0	76.0
67.5°	0.0	0.0	2.0	4.0	4.0	10.0	16.0	26.0	32.0	56.0
70°	0.0	0.0	2.0	4.0	4.0	8.0	10.0	12.0	22.0	30.0
72.5°	0.0	0.0	2.0	4.0	6.0	8.0	10.0	10.0	10.0	20.0
75°	0.0	0.0	2.0	4.0	6.0	8.0	10.0	10.0	8.0	8.0
77.5°	0.0	0.0	2.0	4.0	8.0	10.0	12.0	10.0	6.0	6.0
80°	0.0	0.0	2.0	6.0	10.0	14.0	16.0	12.0	6.0	4.0
82.5°	0.0	0.0	4.0	8.0	12.0	16.0	22.0	18.0	8.0	4.0
85°	0.0	0.0	2.0	6.0	12.0	16.0	32.0	22.0	10.0	2.0
87.5°	0.0	0.0	0.0	2.0	2.0	4.0	12.0	8.0	4.0	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P637129

CATALOG NUMBER: IFLD-M-SA4A-740-U-33-VI

**CANDELA DISTRIBUTION (continued):**

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
182428.6	0°	182428.6	182428.6	182428.6	182428.6	182428.6	182428.6	182428.6	182428.6	182428.6
179504.1	1°	180758.3	180884.3	180472.3	181110.4	180886.3	179574.1	179140.1	178626.0	177885.9
172389.1	2°	171861.0	172503.1	172535.1	173243.2	173233.2	171703.0	171228.9	172103.1	170396.8
159887.3	3°	159403.2	160151.3	159477.2	160735.4	160357.3	158501.1	158019.0	159011.1	157771.0
144073.0	4°	143642.9	143500.9	143268.9	142552.8	143434.9	142168.7	141214.6	142560.8	139908.4
125736.3	5°	125484.3	125168.2	124716.2	124504.1	125160.2	124350.1	122387.8	124354.1	119623.4
107701.7	6°	107833.7	106473.5	106407.5	106289.5	106355.5	104087.2	104223.2	105687.4	101750.8
88176.8	7°	89109.0	89359.0	88848.9	89667.1	89043.0	87506.7	86914.7	88456.9	85674.5
74534.8	8°	74014.8	73698.7	73308.7	74530.8	73448.7	72440.5	71750.4	72968.6	70902.3
60924.9	9°	60810.9	60264.8	59868.7	59806.7	59974.7	58082.5	58466.5	59388.6	58144.5
49543.2	10°	49561.2	48665.1	48883.1	48941.1	48757.1	47516.9	47528.9	47847.0	46350.7
30386.4	12.5°	30278.4	29838.3	29948.4	30008.4	30382.4	29946.4	29330.3	28886.2	28662.2
19158.8	15°	19030.8	18714.7	19360.8	19794.9	19706.9	19318.8	19028.8	18626.7	18302.7
12735.9	17.5°	12617.8	13031.9	13033.9	13430.0	13470.0	13081.9	12857.9	12495.8	12511.8
8283.2	20°	8253.2	8425.2	8783.3	9063.3	9225.3	8929.3	8661.3	8413.2	8309.2
5164.8	22.5°	5164.8	5464.8	5688.8	6052.9	6200.9	5984.9	5794.8	5592.8	5468.8
3224.5	25°	3170.5	3384.5	3570.5	3886.6	4088.6	3984.6	3810.6	3668.5	3602.5
2082.3	27.5°	2114.3	2204.3	2296.3	2514.4	2724.4	2666.4	2596.4	2510.4	2480.4
1468.2	30°	1490.2	1498.2	1596.2	1718.3	1858.3	1894.3	1862.3	1818.3	1784.3
1078.2	32.5°	1098.2	1130.2	1176.2	1252.2	1346.2	1432.2	1416.2	1396.2	1380.2
824.1	35°	848.1	896.1	934.1	992.1	1042.2	1124.2	1138.2	1132.2	1120.2
678.1	37.5°	692.1	734.1	772.1	806.1	848.1	904.1	948.1	950.1	938.1
560.1	40°	574.1	612.1	662.1	688.1	718.1	760.1	814.1	818.1	814.1
474.1	42.5°	484.1	520.1	570.1	602.1	624.1	664.1	718.1	726.1	718.1
406.1	45°	416.1	438.1	490.1	528.1	550.1	576.1	634.1	642.1	640.1
350.1	47.5°	362.1	384.1	416.1	470.1	490.1	514.1	560.1	574.1	574.1
310.0	50°	318.0	340.0	368.1	416.1	446.1	466.1	504.1	524.1	524.1
270.0	52.5°	282.0	304.0	334.0	372.1	406.1	424.1	460.1	486.1	486.1
220.0	55°	236.0	274.0	296.0	330.0	376.1	392.1	420.1	454.1	454.1
192.0	57.5°	206.0	238.0	270.0	298.0	344.1	364.1	392.1	424.1	428.1
152.0	60°	174.0	204.0	242.0	266.0	310.0	336.0	366.1	396.1	404.1
116.0	62.5°	138.0	178.0	204.0	238.0	280.0	314.0	338.0	368.1	380.1
90.0	65°	102.0	146.0	176.0	212.0	252.0	288.0	308.0	340.0	348.1
64.0	67.5°	74.0	114.0	150.0	184.0	222.0	258.0	278.0	306.0	312.0
40.0	70°	58.0	84.0	124.0	154.0	194.0	224.0	246.0	264.0	270.0
26.0	72.5°	34.0	64.0	100.0	134.0	170.0	190.0	206.0	222.0	226.0
12.0	75°	22.0	50.0	82.0	112.0	138.0	156.0	170.0	184.0	186.0
6.0	77.5°	14.0	36.0	66.0	94.0	106.0	128.0	140.0	148.0	144.0
4.0	80°	8.0	28.0	58.0	76.0	86.0	100.0	112.0	122.0	112.0
4.0	82.5°	6.0	24.0	48.0	64.0	64.0	80.0	86.0	86.0	82.0
2.0	85°	4.0	20.0	38.0	60.0	48.0	60.0	56.0	56.0	56.0
2.0	87.5°	4.0	14.0	18.0	26.0	22.0	26.0	26.0	30.0	30.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
182428.6  
176589.7  
168400.5  
154604.5  
137688.0  
119173.3  
101442.8  
84262.3  
69490.1  
56508.2  
45682.6  
28616.2  
18420.7  
12405.8  
8327.2  
5484.8  
3586.5  
2460.4  
1788.3  
1380.2  
1112.2  
936.1  
812.1  
720.1  
640.1  
576.1  
526.1  
486.1  
456.1  
426.1  
404.1  
382.1  
346.1  
308.0  
270.0  
226.0  
184.0  
144.0  
110.0  
80.0  
54.0  
30.0  
0.0

(END OF REPORT)