

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: P637148

Luminaire Tested: **IFLD-S-SA3A-750-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637148
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-750-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (48) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13995.9 lumens
Efficiency: N/A
Efficacy: 147.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

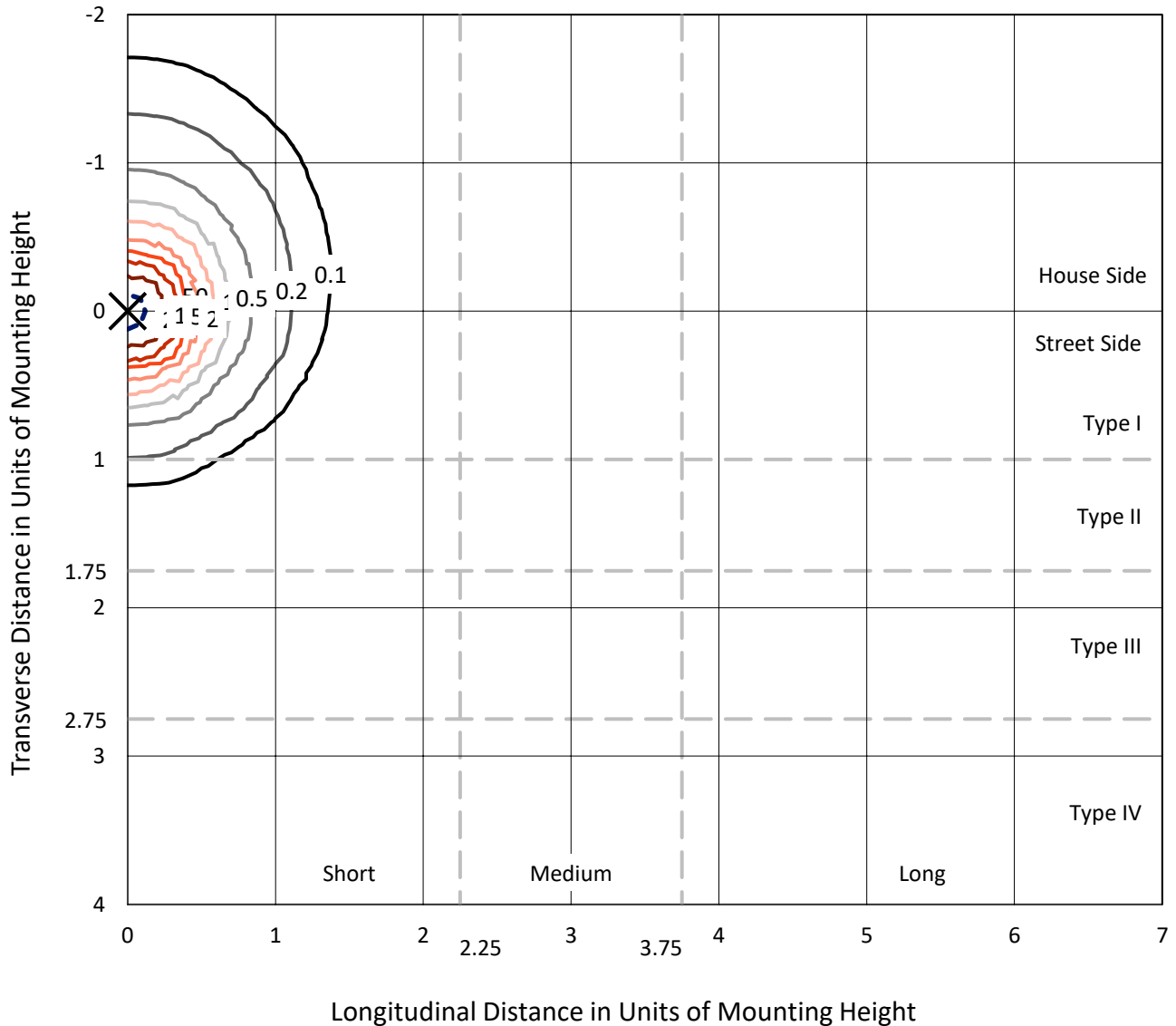
Input Watts (W): 94.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

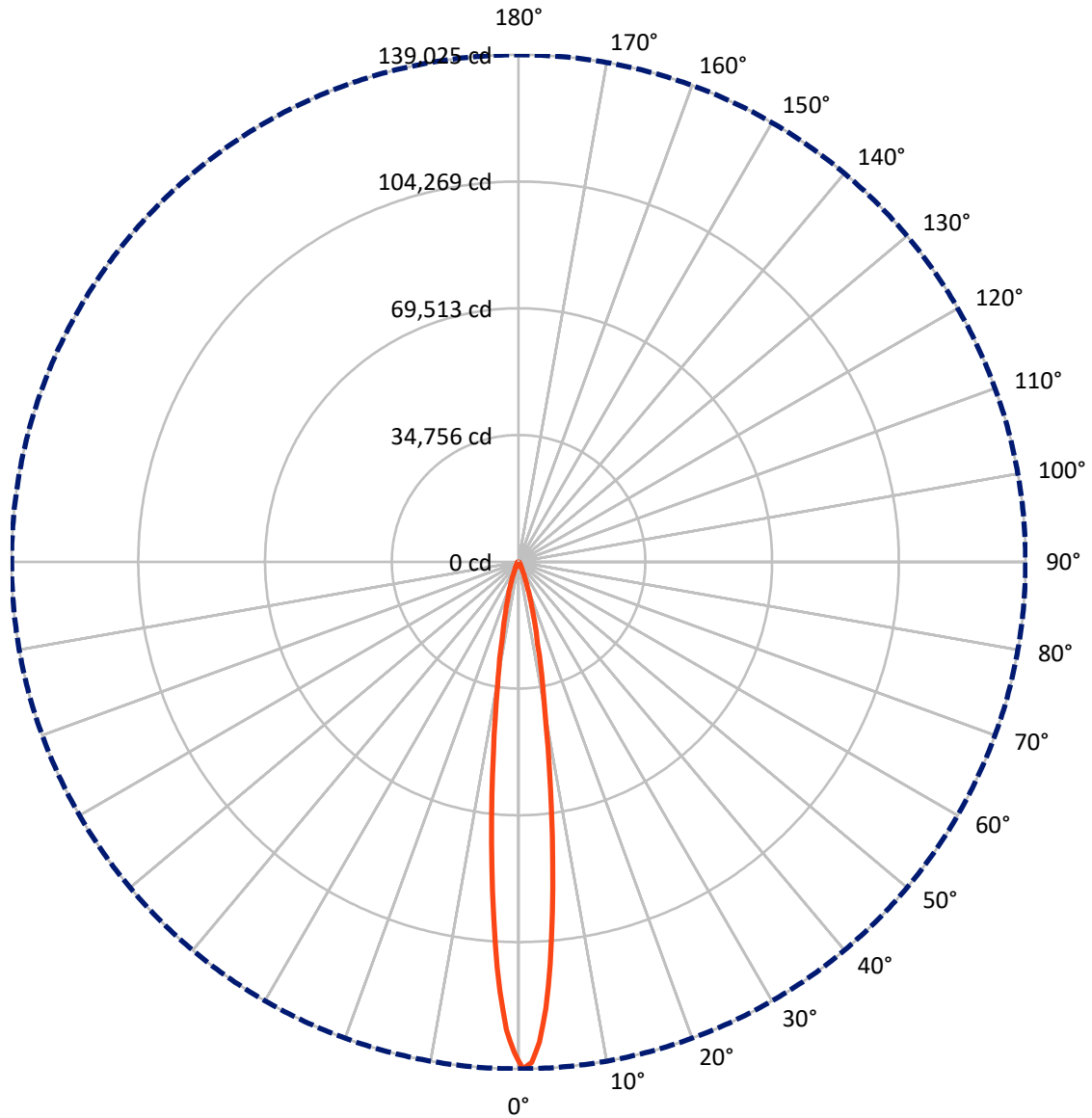
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 347.6 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
House Side	Lumens	7168.5	0.0	7168.5
	% Fixture	51.2	0.0	51.2
Street Side	Lumens	6827.5	0.0	6827.5
	% Fixture	48.8	0.0	48.8
Total	Lumens	13995.9	0.0	13995.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7065.6	50.5
10°-20°	4523.3	32.3
20°-30°	1359.6	9.7
30°-40°	442.7	3.2
40°-50°	257.6	1.8
50°-60°	171.1	1.2
60°-70°	103.0	0.7
70°-80°	52.9	0.4
80°-90°	20.1	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°	13995.9	100.0
0°-180°	13995.9	100.0

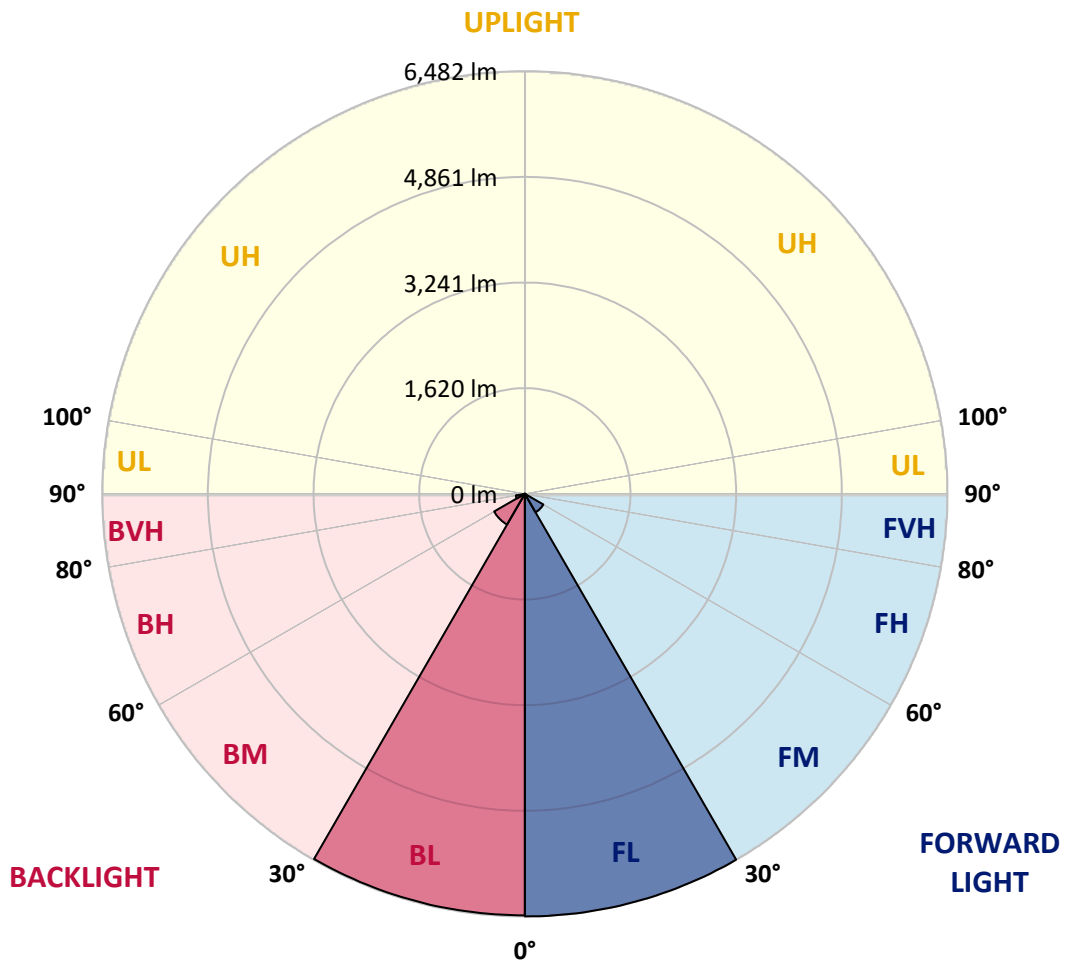


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6481.9	46.3			
FM (30°-60°)	327.1	2.3			
FH (60°-80°)	15.4	0.1			G0/660
FVH (80°-90°)	3.0	0.0			G0/10
BL (0°-30°)	6466.6	46.2	B5		
BM (30°-60°)	544.3	3.9	B1/1000		
BH (60°-80°)	140.5	1.0	B1/500		G0/660
BVH (80°-90°)	17.1	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°	139025.0	139025.0	139025.0	139025.0	139025.0	139025.0	139025.0	139025.0	139025.0	139025.0
1°	137360.4	136941.2	135858.9	136628.7	137305.5	137108.9	137095.1	137022.0	136919.8	137721.7
2°	131869.6	131598.2	129997.6	130657.7	131619.6	130918.3	131357.4	130971.7	130979.3	131936.6
3°	122613.5	122761.4	120208.0	121407.7	122744.6	121044.9	121572.4	122563.2	121525.1	121212.6
4°	110583.1	109299.6	107904.8	109124.3	109470.3	108481.0	109453.5	110667.0	109224.9	109288.9
5°	96848.4	95900.3	94249.4	95002.4	94144.2	94456.7	95914.0	96414.0	95407.9	94141.1
6°	82726.6	82052.8	79988.8	81074.2	80769.3	80592.5	82432.4	80908.0	81456.8	80690.0
7°	68812.0	67552.9	66539.2	67578.8	67645.9	67113.9	69502.6	69225.2	68226.7	67995.0
8°	57011.8	55755.7	54897.5	55671.9	56178.0	55342.6	56466.1	57203.9	56423.4	56493.5
9°	45982.9	45761.9	44568.3	45580.5	46130.8	45236.0	46479.9	46746.6	46016.5	46371.6
10°	37755.8	37498.2	36545.5	36955.5	37867.1	36800.1	37993.7	38080.5	37498.2	37664.4
12.5°	23332.2	23228.5	23202.6	23262.0	23249.8	23438.9	23743.7	23396.2	23350.5	22775.8
15°	15080.7	15234.7	15076.1	15381.0	15425.2	15603.6	15417.6	15137.1	14602.0	14336.8
17.5°	9411.5	9608.2	9879.5	10326.2	10772.8	10824.6	10577.7	10248.4	9989.3	9705.7
20°	5414.6	5510.6	5469.5	6004.5	7160.0	7474.0	7155.4	6809.4	6496.9	6210.3
22.5°	3364.3	3329.2	3393.3	3573.1	3949.7	4920.7	4660.0	4314.0	4086.9	3850.6
25°	2062.5	2100.6	2076.2	2175.3	2344.5	2756.1	2815.5	2666.1	2550.3	2428.3
27.5°	1327.7	1327.7	1338.4	1393.3	1509.1	1495.4	1812.5	1696.6	1634.1	1574.7
30°	922.3	925.3	925.3	957.3	983.2	937.5	1019.8	1169.2	1140.2	1094.5
32.5°	684.4	693.6	701.2	718.0	696.6	647.9	667.7	841.5	824.7	807.9
35°	521.3	529.0	547.3	556.4	525.9	495.4	477.1	618.9	626.5	621.9
37.5°	379.6	384.1	417.7	452.7	417.7	390.2	379.6	475.6	512.2	507.6
40°	291.2	292.7	298.8	338.4	338.4	317.1	320.1	355.2	419.2	419.2
42.5°	250.0	250.0	256.1	250.0	251.5	274.4	282.0	286.6	355.2	355.2
45°	216.5	216.5	219.5	204.3	189.0	236.3	242.4	243.9	298.8	306.4
47.5°	181.4	181.4	187.5	167.7	160.1	187.5	204.3	208.8	257.6	263.7
50°	134.1	135.7	154.0	137.2	141.8	144.8	176.8	179.9	218.0	231.7
52.5°	89.9	89.9	93.0	106.7	123.5	118.9	143.3	154.0	173.8	192.1
55°	73.2	73.2	71.6	68.6	91.5	99.1	105.2	128.0	141.8	164.6
57.5°	50.3	53.4	48.8	56.4	59.5	74.7	79.3	100.6	108.2	138.7
60°	6.1	7.6	10.7	41.2	39.6	50.3	59.5	79.3	88.4	106.7
62.5°	1.5	1.5	3.0	7.6	27.4	33.5	47.3	54.9	64.0	82.3
65°	0.0	0.0	1.5	3.0	6.1	18.3	24.4	32.0	45.7	57.9
67.5°	0.0	0.0	1.5	3.0	3.0	7.6	12.2	19.8	24.4	42.7
70°	0.0	0.0	1.5	3.0	3.0	6.1	7.6	9.1	16.8	22.9
72.5°	0.0	0.0	1.5	3.0	4.6	6.1	7.6	7.6	7.6	15.2
75°	0.0	0.0	1.5	3.0	4.6	6.1	7.6	7.6	6.1	6.1
77.5°	0.0	0.0	1.5	3.0	6.1	7.6	9.1	7.6	4.6	4.6
80°	0.0	0.0	1.5	4.6	7.6	10.7	12.2	9.1	4.6	3.0
82.5°	0.0	0.0	3.0	6.1	9.1	12.2	16.8	13.7	6.1	3.0
85°	0.0	0.0	1.5	4.6	9.1	12.2	24.4	16.8	7.6	1.5
87.5°	0.0	0.0	0.0	1.5	1.5	3.0	9.1	6.1	3.0	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
139025.0	0°	139025.0	139025.0	139025.0	139025.0	139025.0	139025.0	139025.0	139025.0
136796.4	1°	137752.1	137848.2	137534.2	138020.4	137849.7	136849.7	136518.9	136127.2
131374.1	2°	130971.7	131461.0	131485.4	132025.0	132017.4	130851.3	130490.0	131156.1
121846.8	3°	121477.9	122048.0	121534.3	122493.1	122205.0	120790.4	120423.0	121179.1
109795.0	4°	109467.3	109359.0	109182.2	108636.5	109308.7	108343.8	107616.7	108642.6
95821.0	5°	95628.9	95388.1	95043.6	94882.0	95382.0	94764.6	93269.2	94767.7
82077.2	6°	82177.8	81141.2	81090.9	81001.0	81051.3	79322.6	79426.3	80542.2
67197.7	7°	67908.1	68098.6	67709.9	68333.4	67857.8	66687.1	66235.8	67411.1
56801.5	8°	56405.1	56164.3	55867.0	56798.4	55973.7	55205.4	54679.5	55607.9
46429.6	9°	46342.7	45926.5	45624.7	45577.4	45705.5	44263.4	44556.1	45258.8
37755.8	10°	37769.6	37086.6	37252.8	37297.0	37156.8	36211.7	36220.8	36463.2
23156.9	12.5°	23074.5	22739.2	22823.0	22868.8	23153.8	22821.5	22352.0	22013.6
14600.5	15°	14503.0	14262.1	14754.5	15085.3	15018.2	14722.5	14501.4	14195.0
9705.7	17.5°	9615.8	9931.3	9932.9	10234.7	10265.2	9969.4	9798.7	9522.8
6312.5	20°	6289.6	6420.7	6693.6	6907.0	7030.4	6804.8	6600.6	6411.5
3935.9	22.5°	3935.9	4164.6	4335.3	4612.8	4725.6	4560.9	4416.1	4262.2
2457.3	25°	2416.1	2579.3	2721.0	2961.9	3115.8	3036.6	2903.9	2795.7
1586.9	27.5°	1611.3	1679.9	1750.0	1916.1	2076.2	2032.0	1978.6	1913.1
1118.9	30°	1135.7	1141.8	1216.5	1309.4	1416.1	1443.6	1419.2	1385.7
821.6	32.5°	836.9	861.3	896.3	954.3	1025.9	1091.5	1079.3	1064.0
628.0	35°	646.3	682.9	711.9	756.1	794.2	856.7	867.4	862.8
516.8	37.5°	527.4	559.4	588.4	614.3	646.3	689.0	722.6	724.1
426.8	40°	437.5	466.5	504.6	524.4	547.3	579.3	620.4	623.5
361.3	42.5°	368.9	396.3	434.4	458.8	475.6	506.1	547.3	553.4
309.4	45°	317.1	333.8	373.5	402.4	419.2	439.0	483.2	489.3
266.8	47.5°	275.9	292.7	317.1	358.2	373.5	391.8	426.8	437.5
236.3	50°	242.4	259.1	280.5	317.1	339.9	355.2	384.1	399.4
205.8	52.5°	214.9	231.7	254.6	283.5	309.4	323.2	350.6	370.4
167.7	55°	179.9	208.8	225.6	251.5	286.6	298.8	320.1	346.0
146.3	57.5°	157.0	181.4	205.8	227.1	262.2	277.4	298.8	323.2
115.9	60°	132.6	155.5	184.5	202.7	236.3	256.1	279.0	301.8
88.4	62.5°	105.2	135.7	155.5	181.4	213.4	239.3	257.6	280.5
68.6	65°	77.7	111.3	134.1	161.6	192.1	219.5	234.8	259.1
48.8	67.5°	56.4	86.9	114.3	140.2	169.2	196.6	211.9	233.2
30.5	70°	44.2	64.0	94.5	117.4	147.9	170.7	187.5	201.2
19.8	72.5°	25.9	48.8	76.2	102.1	129.6	144.8	157.0	169.2
9.1	75°	16.8	38.1	62.5	85.4	105.2	118.9	129.6	140.2
4.6	77.5°	10.7	27.4	50.3	71.6	80.8	97.6	106.7	112.8
3.0	80°	6.1	21.3	44.2	57.9	65.5	76.2	85.4	93.0
3.0	82.5°	4.6	18.3	36.6	48.8	48.8	61.0	65.5	65.5
1.5	85°	3.0	15.2	29.0	45.7	36.6	45.7	42.7	42.7
1.5	87.5°	3.0	10.7	13.7	19.8	16.8	19.8	19.8	22.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
139025.0
134575.3
128334.5
117820.9
104929.2
90819.5
77307.4
64214.5
52957.0
43063.7
34813.8
21807.8
14038.0
9454.2
6346.0
4179.9
2733.2
1875.0
1362.8
1051.8
847.6
713.4
618.9
548.8
487.8
439.0
400.9
370.4
347.6
324.7
307.9
291.2
263.7
234.8
205.8
172.3
140.2
109.8
83.8
61.0
41.2
22.9
0.0

(END OF REPORT)