

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: P637019

Luminaire Tested: **IFLD-L-SA7B-722-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637019
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-722-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (112) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26087.1 lumens
Efficiency: N/A
Efficacy: 92.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

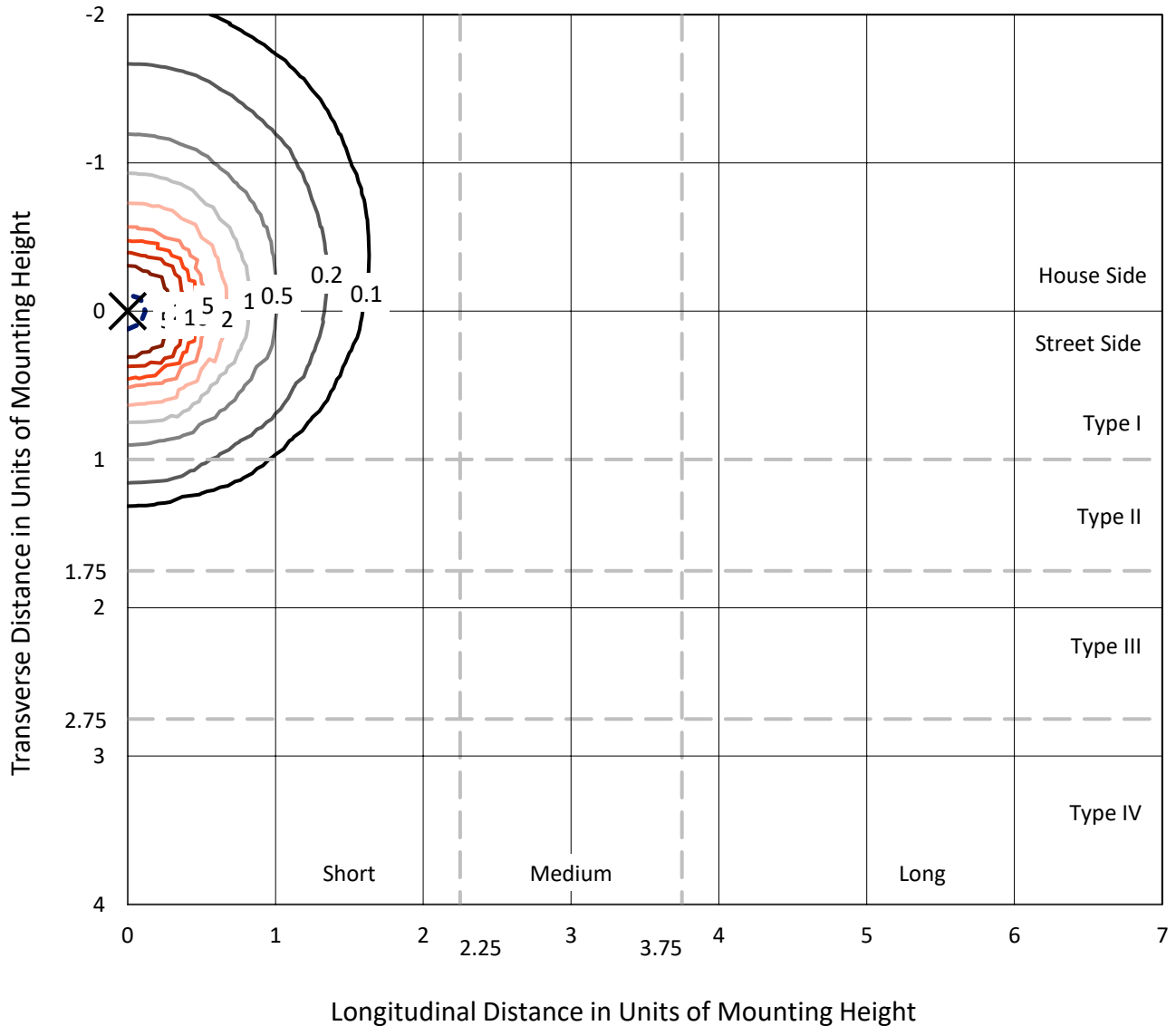
Input Watts (W): 281
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P637019
 CATALOG NUMBER: IFLD-L-SA7B-722-U-33-VI

Iso-Footcandle Lines of Horizontal Illumination

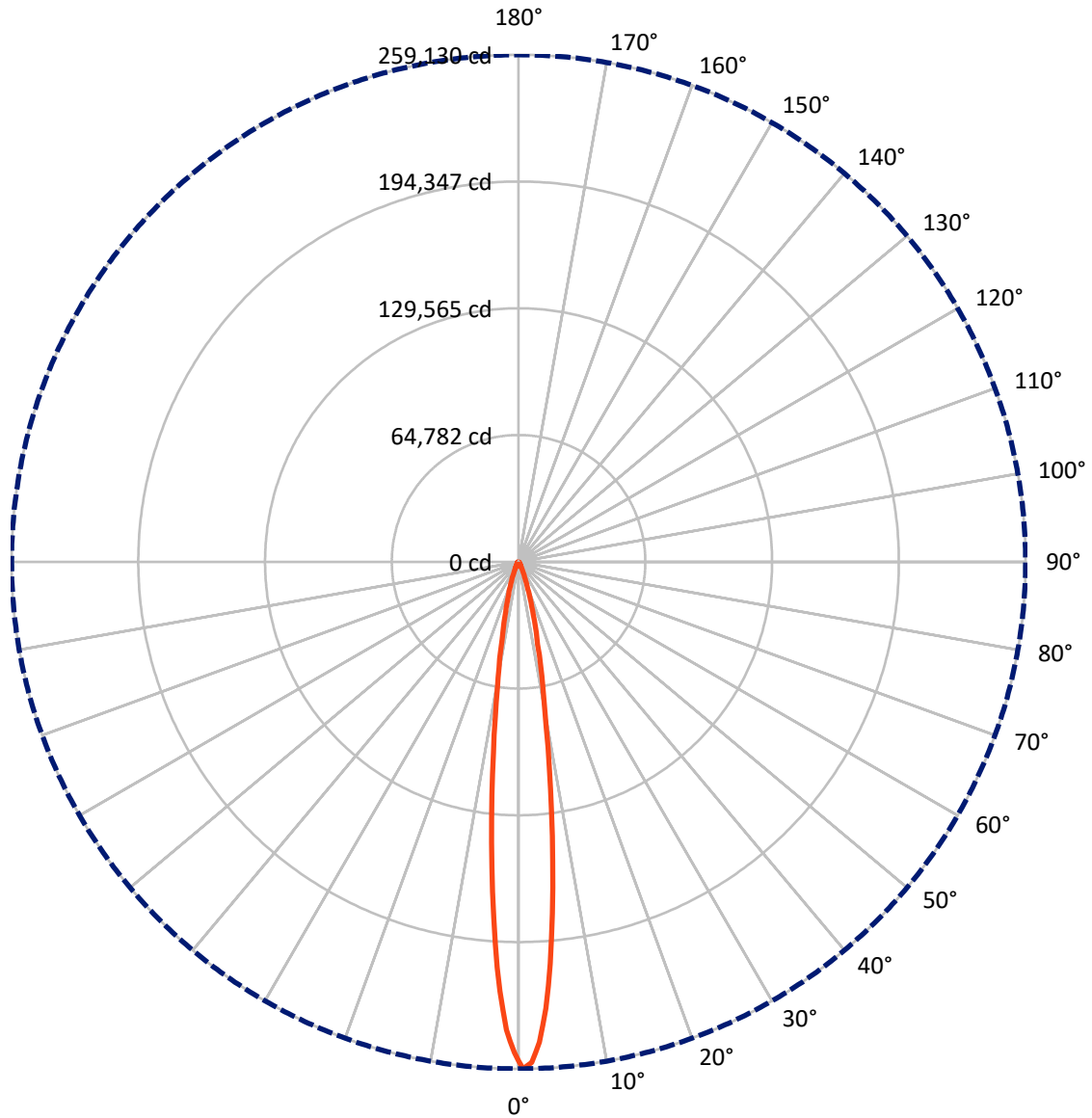
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 647.8 fc
 Type V - Short - N/A

REPORT NUMBER: P637019
CATALOG NUMBER: IFLD-L-SA7B-722-U-33-VI

Luminous Intensity Polar Plot



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

REPORT NUMBER: P637019
 CATALOG NUMBER: IFLD-L-SA7B-722-U-33-VI

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13361.3	0.0	13361.3
	% Fixture	51.2	0.0	51.2
Street Side	Lumens	12725.8	0.0	12725.8
	% Fixture	48.8	0.0	48.8
Total	Lumens	26087.1	0.0	26087.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13169.6	50.5
10°-20°	8431.1	32.3
20°-30°	2534.2	9.7
30°-40°	825.2	3.2
40°-50°	480.1	1.8
50°-60°	318.9	1.2
60°-70°	191.9	0.7
70°-80°	98.7	0.4
80°-90°	37.5	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°	26087.1	100.0
0°-180°	26087.1	100.0



REPORT NUMBER: P637019

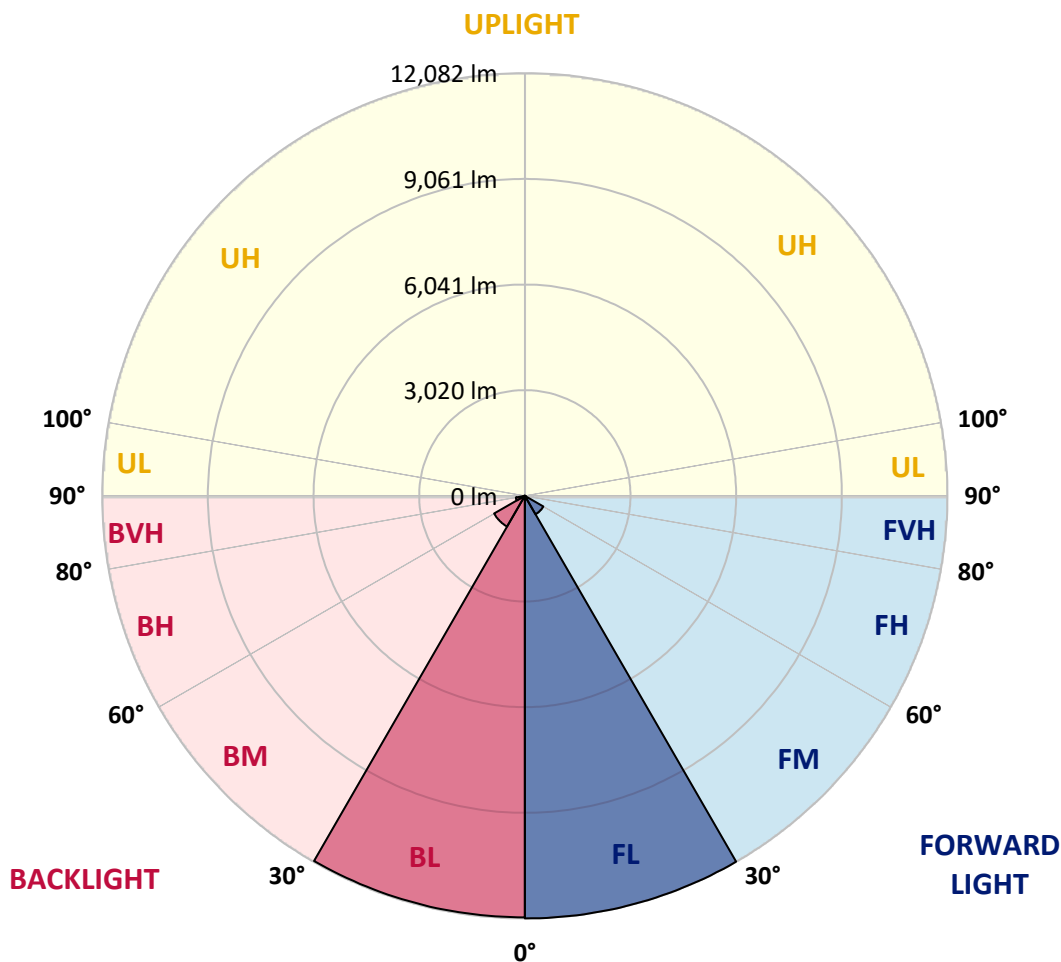
CATALOG NUMBER: IFLD-L-SA7B-722-U-33-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	12081.7	46.3			
FM (30°-60°)	609.7	2.3			
FH (60°-80°)	28.7	0.1			G0/660
FVH (80°-90°)	5.7	0.0			G0/10
BL (0°-30°)	12053.1	46.2	B5		
BM (30°-60°)	1014.5	3.9	B2/2500		
BH (60°-80°)	261.9	1.0	B1/500		G0/660
BVH (80°-90°)	31.8	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: P637019
 CATALOG NUMBER: IFLD-L-SA7B-722-U-33-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	259129.5	259129.5	259129.5	259129.5	259129.5	259129.5	259129.5	259129.5	259129.5	259129.5
1°	256026.8	255245.5	253228.1	254663.0	255924.5	255558.0	255532.4	255396.1	255205.7	256700.2
2°	245792.5	245286.7	242303.3	243533.6	245326.5	244019.5	244837.8	244118.9	244133.1	245917.5
3°	228540.1	228815.7	224056.5	226292.6	228784.4	225616.4	226599.5	228446.3	226511.4	225928.9
4°	206116.5	203724.1	201124.4	203397.4	204042.4	202198.4	204011.1	206272.8	203584.9	203704.3
5°	180516.4	178749.1	175672.0	177075.6	175475.9	176058.4	178774.7	179706.6	177831.4	175470.2
6°	154194.6	152938.7	149091.6	151114.6	150546.4	150216.8	153646.2	150804.9	151827.8	150398.6
7°	128259.2	125912.3	124022.8	125960.6	126085.6	125094.0	129546.3	129029.2	127168.1	126736.2
8°	106264.7	103923.4	102323.8	103767.2	104710.5	103153.4	105247.5	106622.7	105167.9	105298.6
9°	85707.9	85295.9	83071.1	84957.8	85983.5	84315.6	86634.1	87131.3	85770.4	86432.4
10°	70373.4	69893.2	68117.4	68881.7	70580.8	68591.9	70816.6	70978.5	69893.2	70202.9
12.5°	43489.0	43295.8	43247.4	43358.3	43335.5	43687.8	44256.1	43608.3	43523.1	42451.9
15°	28109.0	28396.0	28100.5	28668.7	28751.1	29083.6	28736.9	28214.1	27216.8	26722.4
17.5°	17542.2	17908.7	18414.5	19247.0	20079.5	20176.1	19715.8	19102.1	18619.0	18090.6
20°	10092.3	10271.3	10194.6	11191.9	13345.6	13930.9	13337.1	12692.1	12109.6	11575.5
22.5°	6270.8	6205.4	6324.7	6660.0	7361.8	9171.7	8685.9	8040.9	7617.5	7177.1
25°	3844.3	3915.3	3869.9	4054.5	4369.9	5137.1	5247.9	4969.4	4753.5	4526.2
27.5°	2474.8	2474.8	2494.7	2596.9	2812.9	2787.3	3378.3	3162.4	3045.9	2935.1
30°	1719.0	1724.7	1724.7	1784.3	1832.6	1747.4	1900.8	2179.3	2125.3	2040.1
32.5°	1275.7	1292.8	1307.0	1338.3	1298.5	1207.6	1244.5	1568.4	1537.1	1505.9
35°	971.7	985.9	1020.0	1037.1	980.2	923.4	889.3	1153.6	1167.8	1159.3
37.5°	707.5	716.0	778.5	843.9	778.5	727.4	707.5	886.5	954.7	946.2
40°	542.7	545.5	556.9	630.8	630.8	591.0	596.7	662.0	781.4	781.4
42.5°	466.0	466.0	477.3	466.0	468.8	511.4	525.6	534.2	662.0	662.0
45°	403.5	403.5	409.1	380.7	352.3	440.4	451.8	454.6	556.9	571.1
47.5°	338.1	338.1	349.5	312.5	298.3	349.5	380.7	389.3	480.2	491.5
50°	250.0	252.9	287.0	255.7	264.2	269.9	329.6	335.3	406.3	431.9
52.5°	167.6	167.6	173.3	198.9	230.1	221.6	267.1	287.0	323.9	358.0
55°	136.4	136.4	133.5	127.9	170.5	184.7	196.0	238.7	264.2	306.9
57.5°	93.8	99.4	90.9	105.1	110.8	139.2	147.7	187.5	201.7	258.6
60°	11.4	14.2	19.9	76.7	73.9	93.8	110.8	147.7	164.8	198.9
62.5°	2.8	2.8	5.7	14.2	51.1	62.5	88.1	102.3	119.3	153.4
65°	0.0	0.0	2.8	5.7	11.4	34.1	45.5	59.7	85.2	108.0
67.5°	0.0	0.0	2.8	5.7	5.7	14.2	22.7	36.9	45.5	79.6
70°	0.0	0.0	2.8	5.7	5.7	11.4	14.2	17.0	31.3	42.6
72.5°	0.0	0.0	2.8	5.7	8.5	11.4	14.2	14.2	14.2	28.4
75°	0.0	0.0	2.8	5.7	8.5	11.4	14.2	14.2	11.4	11.4
77.5°	0.0	0.0	2.8	5.7	11.4	14.2	17.0	14.2	8.5	8.5
80°	0.0	0.0	2.8	8.5	14.2	19.9	22.7	17.0	8.5	5.7
82.5°	0.0	0.0	5.7	11.4	17.0	22.7	31.3	25.6	11.4	5.7
85°	0.0	0.0	2.8	8.5	17.0	22.7	45.5	31.3	14.2	2.8
87.5°	0.0	0.0	0.0	2.8	2.8	5.7	17.0	11.4	5.7	2.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P637019
 CATALOG NUMBER: IFLD-L-SA7B-722-U-33-VI

CANDELA DISTRIBUTION (continued):

90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
259129.5	0°	259129.5	259129.5	259129.5	259129.5	259129.5	259129.5	259129.5	259129.5
254975.5	1°	256757.0	256936.0	256350.7	257257.1	256938.9	255075.0	254458.4	253728.2
244869.0	2°	244118.9	245031.0	245076.4	246082.3	246068.1	243894.5	243221.1	244462.7
227110.9	3°	226423.3	227486.0	226528.4	228315.6	227778.6	225141.9	224457.1	225866.4
204647.6	4°	204036.7	203835.0	203505.4	202488.2	203741.2	201942.7	200587.4	202499.5
178601.4	5°	178243.4	177794.4	177152.3	176851.1	177783.1	176632.3	173845.0	176638.0
152984.2	6°	153171.7	151239.6	151145.9	150978.2	151072.0	147850.0	148043.2	150123.0
125250.2	7°	126574.3	126929.5	126204.9	127367.0	126480.5	124298.4	123457.4	125648.0
105872.6	8°	105133.8	104684.9	104130.9	105866.9	104329.7	102897.7	101917.5	103647.8
86540.4	9°	86378.4	85602.7	85040.1	84952.1	85190.7	82502.9	83048.4	84358.2
70373.4	10°	70398.9	69126.0	69435.7	69518.1	69256.7	67495.1	67512.2	67963.9
43162.2	12.5°	43008.8	42383.7	42540.0	42625.2	43156.5	42537.1	41662.0	41031.2
27214.0	15°	27032.1	26583.2	27501.0	28117.5	27992.5	27441.3	27029.3	26458.2
18090.6	17.5°	17922.9	18511.1	18513.9	19076.5	19133.3	18582.1	18263.9	17749.6
11765.8	20°	11723.2	11967.6	12476.2	12873.9	13104.1	12683.6	12302.8	11950.5
7336.2	22.5°	7336.2	7762.4	8080.7	8597.8	8808.0	8501.2	8231.3	7944.3
4580.2	25°	4503.5	4807.5	5071.7	5520.6	5807.6	5659.9	5412.7	5210.9
2957.8	27.5°	3003.3	3131.1	3261.8	3571.5	3869.9	3787.5	3688.0	3565.8
2085.5	30°	2116.8	2128.1	2267.4	2440.7	2639.6	2690.7	2645.3	2582.7
1531.5	32.5°	1559.9	1605.3	1670.7	1778.7	1912.2	2034.4	2011.6	1983.2
1170.6	35°	1204.7	1272.9	1326.9	1409.3	1480.3	1596.8	1616.7	1608.2
963.2	37.5°	983.1	1042.8	1096.7	1145.0	1204.7	1284.3	1346.8	1349.6
795.6	40°	815.5	869.4	940.5	977.4	1020.0	1079.7	1156.4	1162.1
673.4	42.5°	687.6	738.7	809.8	855.2	886.5	943.3	1020.0	1031.4
576.8	45°	591.0	622.2	696.1	750.1	781.4	818.3	900.7	912.1
497.2	47.5°	514.3	545.5	591.0	667.7	696.1	730.2	795.6	815.5
440.4	50°	451.8	483.0	522.8	591.0	633.6	662.0	716.0	744.4
383.6	52.5°	400.6	431.9	474.5	528.5	576.8	602.4	653.5	690.4
312.5	55°	335.3	389.3	420.5	468.8	534.2	556.9	596.7	645.0
272.8	57.5°	292.7	338.1	383.6	423.4	488.7	517.1	556.9	602.4
215.9	60°	247.2	289.8	343.8	377.9	440.4	477.3	520.0	562.6
164.8	62.5°	196.0	252.9	289.8	338.1	397.8	446.1	480.2	522.8
127.9	65°	144.9	207.4	250.0	301.2	358.0	409.1	437.6	483.0
90.9	67.5°	105.1	162.0	213.1	261.4	315.4	366.5	394.9	434.7
56.8	70°	82.4	119.3	176.2	218.8	275.6	318.2	349.5	375.1
36.9	72.5°	48.3	90.9	142.1	190.4	241.5	269.9	292.7	315.4
17.0	75°	31.3	71.0	116.5	159.1	196.0	221.6	241.5	261.4
8.5	77.5°	19.9	51.1	93.8	133.5	150.6	181.8	198.9	210.3
5.7	80°	11.4	39.8	82.4	108.0	122.2	142.1	159.1	173.3
5.7	82.5°	8.5	34.1	68.2	90.9	90.9	113.7	122.2	122.2
2.8	85°	5.7	28.4	54.0	85.2	68.2	85.2	79.6	79.6
2.8	87.5°	5.7	19.9	25.6	36.9	31.3	36.9	36.9	42.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
259129.5
250835.8
239203.5
219607.0
195578.1
169279.1
144093.8
119689.8
98706.8
80266.8
64889.6
40647.7
26165.5
17621.8
11828.3
7790.8
5094.5
3494.8
2540.1
1960.5
1579.8
1329.7
1153.6
1022.9
909.2
818.3
747.3
690.4
647.8
605.2
573.9
542.7
491.5
437.6
383.6
321.1
261.4
204.6
156.3
113.7
76.7
42.6
0.0

(END OF REPORT)