

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: P637803

Luminaire Tested: **IFLD-L-SA7C-722-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637803
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-722-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (112) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27534.3 lumens
Efficiency: N/A
Efficacy: 74.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G2

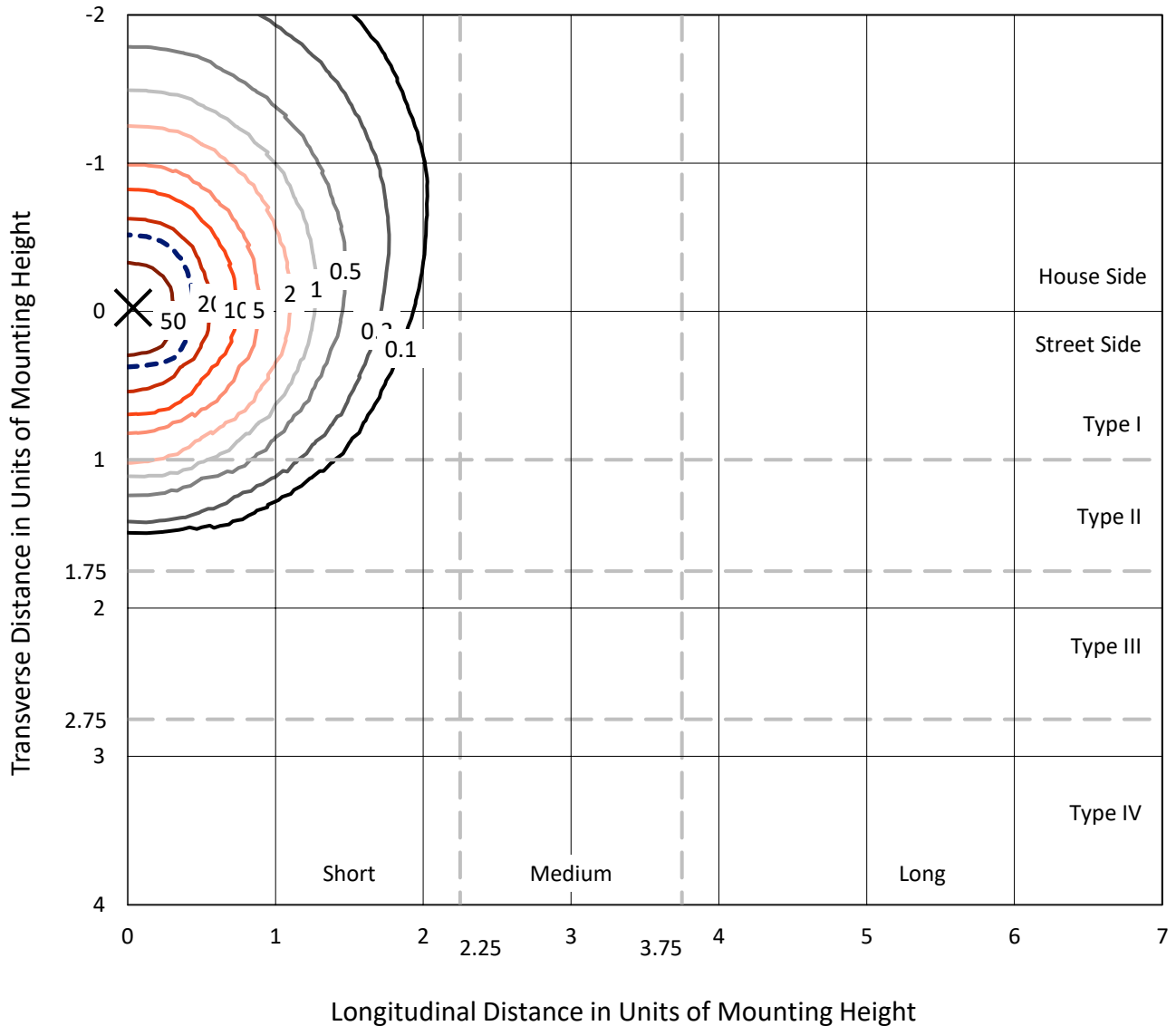
Input Watts (W): 369
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P637803
 CATALOG NUMBER: IFLD-L-SA7C-722-U-66-VI

Iso-Footcandle Lines of Horizontal Illumination

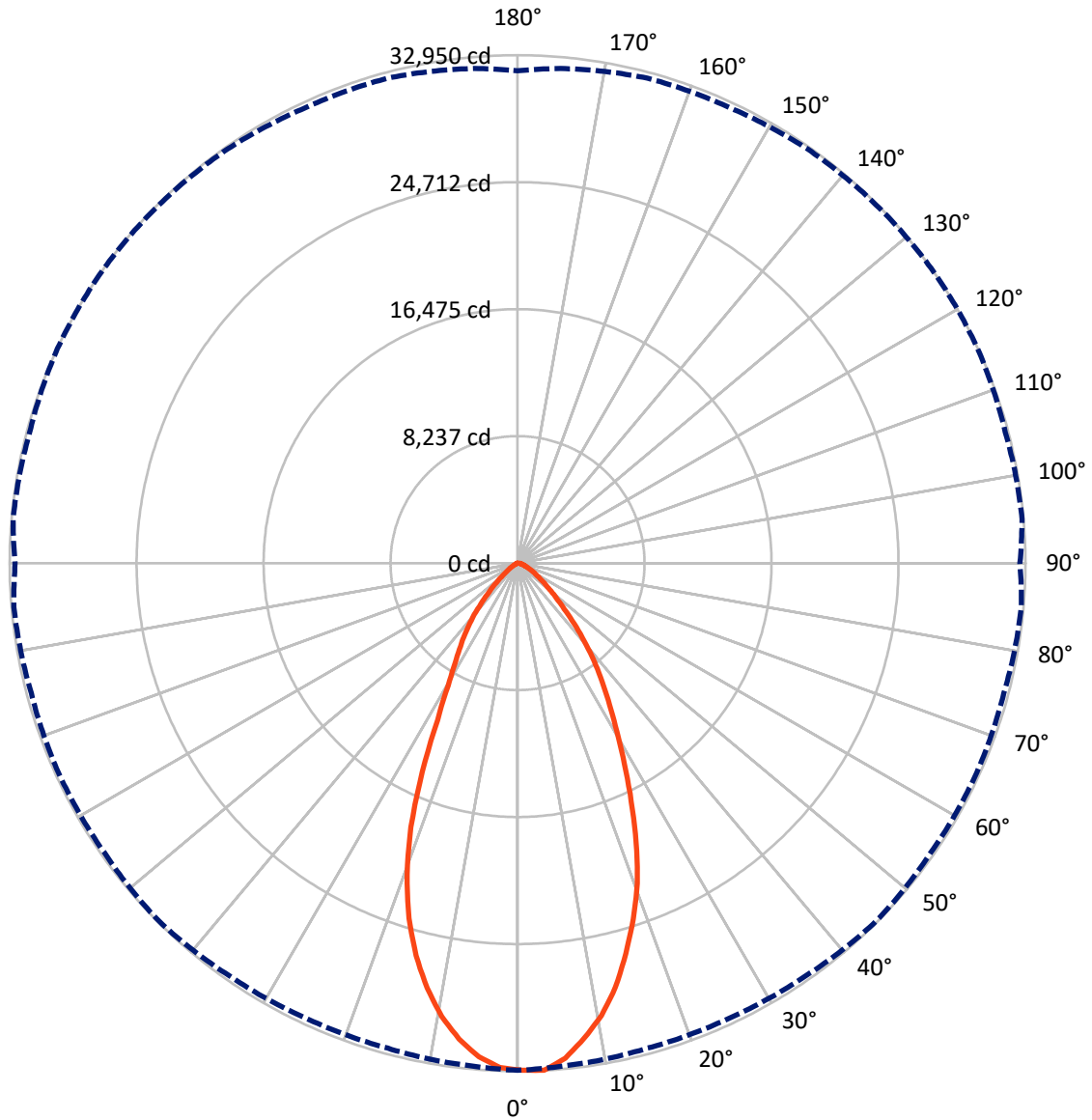
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 82.2 fc
 Type I - Short - N/A

REPORT NUMBER: P637803
CATALOG NUMBER: IFLD-L-SA7C-722-U-66-VI

Luminous Intensity Polar Plot



— Vertical Plane Through 125-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

REPORT NUMBER: P637803

CATALOG NUMBER: IFLD-L-SA7C-722-U-66-VI

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15624.1	0.0	15624.1
	% Fixture	56.7	0.0	56.7
Street Side	Lumens	11910.3	0.0	11910.3
	% Fixture	43.3	0.0	43.3
Total	Lumens	27534.3	0.0	27534.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2987.2	10.8
10°-20°	7120.7	25.9
20°-30°	7252.3	26.3
30°-40°	5408.0	19.6
40°-50°	2825.3	10.3
50°-60°	1188.3	4.3
60°-70°	485.3	1.8
70°-80°	204.2	0.7
80°-90°	62.9	0.2
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°	27534.3	100.0
0°-180°	27534.3	100.0



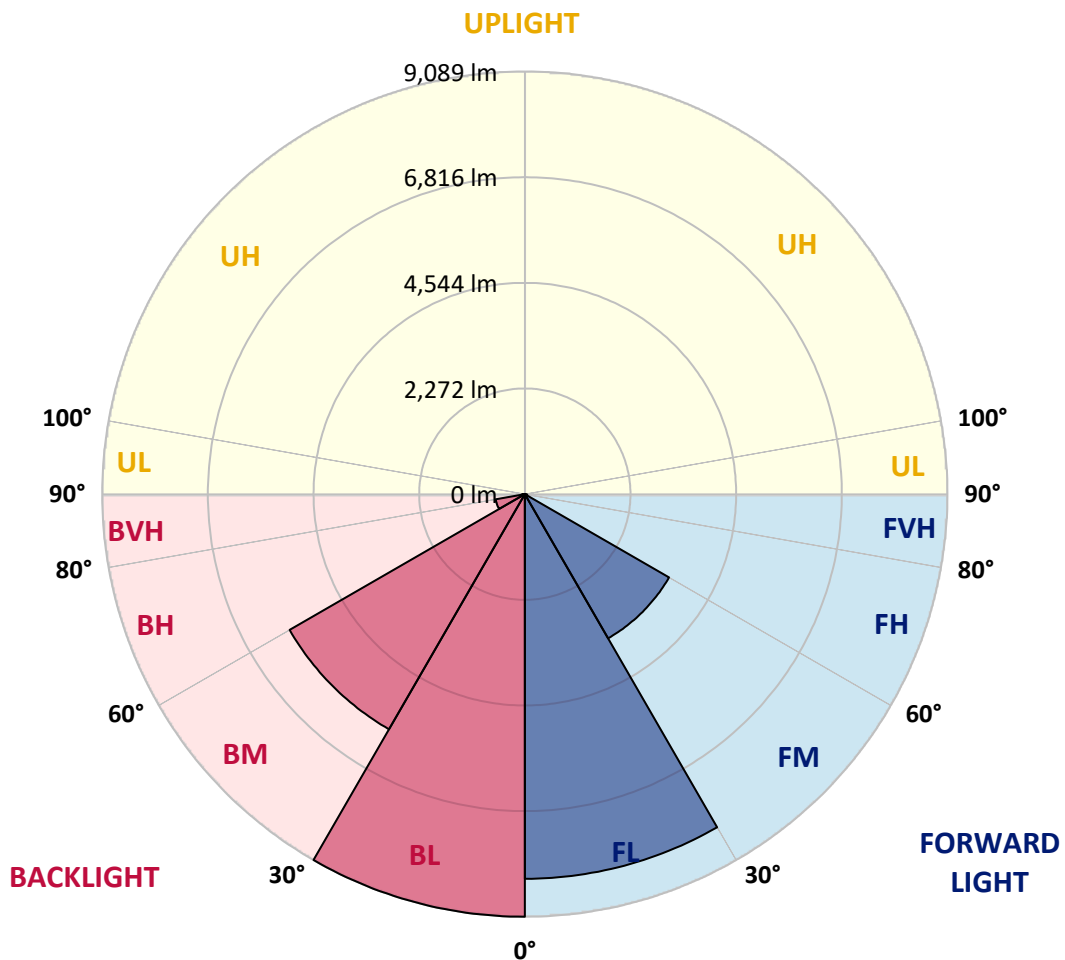
REPORT NUMBER: P637803
 CATALOG NUMBER: IFLD-L-SA7C-722-U-66-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8271.7	30.0			
FM (30°-60°)	3580.9	13.0			
FH (60°-80°)	51.8	0.2			G0/660
FVH (80°-90°)	5.8	0.0			G0/10
BL (0°-30°)	9088.5	33.0	B5		
BM (30°-60°)	5840.7	21.2	B4/8500		
BH (60°-80°)	637.7	2.3	B2/1000		G2/1000
BVH (80°-90°)	57.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type I Short





REPORT NUMBER: P637803
 CATALOG NUMBER: IFLD-L-SA7C-722-U-66-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	32896.9	32896.9	32896.9	32896.9	32896.9	32896.9	32896.9	32896.9	32896.9	32896.9
2.5°	32900.4	32766.0	32575.0	32557.3	32656.4	32872.1	32734.2	32741.3	32656.4	32801.4
5°	32384.0	32256.7	32125.8	31952.5	32097.5	32189.5	32118.8	32040.9	31931.3	32072.8
7.5°	31407.8	31337.1	31142.6	31064.8	31153.2	31255.7	31103.7	31082.4	30930.3	31114.3
10°	29915.3	29887.0	29696.0	29650.0	29727.8	29883.4	29816.2	29802.1	29706.6	29688.9
12.5°	28366.1	28256.4	28019.5	28005.3	28122.0	28355.5	28175.1	28001.8	28054.8	28100.8
15°	24376.4	24259.7	24846.9	25770.0	26254.5	26236.9	26289.9	26081.2	26017.6	26038.8
17.5°	19378.8	19180.7	19392.9	20821.8	23124.4	24461.3	24093.5	23644.3	23403.8	23244.6
20°	16726.1	16736.7	16697.8	17065.6	18501.6	21550.4	21462.0	20595.5	20280.7	20149.8
22.5°	15113.3	15053.1	14968.2	15085.0	15470.5	17260.2	18459.2	17663.4	17553.7	17408.7
25°	13532.2	13532.2	13429.7	13546.4	13656.0	13680.8	14883.4	15208.7	14996.5	14996.5
27.5°	12163.5	12092.7	12046.7	12099.8	11954.8	11258.0	11410.1	13076.0	12931.0	12842.6
30°	10805.3	10784.1	10706.3	10777.0	10239.4	9454.2	9135.9	11035.2	11187.3	11155.4
32.5°	8920.1	9005.0	9351.6	9461.3	8541.7	7908.5	7604.4	9160.6	9769.0	9744.2
35°	6062.3	6133.0	6529.2	7837.8	7080.9	6628.2	6539.8	7286.1	8287.0	8382.5
37.5°	4827.9	4817.3	4930.5	5163.9	5690.9	5581.3	5556.5	5751.0	6759.1	6801.5
40°	3979.0	3964.9	3961.3	3770.4	3639.5	4640.4	4573.2	4456.5	5330.1	5415.0
42.5°	3208.0	3222.1	3232.7	2815.4	2624.4	3579.4	3540.5	3420.2	4180.6	4279.7
45°	2518.3	2514.7	2536.0	2097.4	2044.3	2288.4	2645.6	2550.1	3154.9	3261.0
47.5°	1305.1	1351.1	1637.6	1623.4	1648.2	1623.4	2001.9	1977.1	2373.3	2543.0
50°	877.2	891.3	916.1	919.6	1298.0	1195.5	1358.2	1538.6	1662.4	1924.1
52.5°	679.1	689.7	626.0	587.1	795.8	884.2	891.3	1064.6	1160.1	1425.4
55°	378.5	424.4	456.3	459.8	438.6	654.3	650.8	788.7	863.0	1039.9
57.5°	49.5	60.1	92.0	297.1	293.6	364.3	456.3	573.0	615.4	760.4
60°	3.5	7.1	10.6	46.0	194.5	212.2	311.2	357.2	428.0	534.1
62.5°	0.0	0.0	3.5	10.6	38.9	123.8	162.7	187.5	251.1	350.2
65°	0.0	0.0	3.5	7.1	14.1	46.0	63.7	102.6	148.6	215.8
67.5°	0.0	0.0	3.5	7.1	10.6	17.7	28.3	46.0	77.8	130.9
70°	0.0	0.0	3.5	7.1	10.6	14.1	21.2	28.3	42.4	70.7
72.5°	0.0	0.0	3.5	3.5	7.1	17.7	17.7	21.2	28.3	38.9
75°	0.0	0.0	3.5	7.1	10.6	17.7	17.7	17.7	21.2	24.8
77.5°	0.0	0.0	3.5	7.1	10.6	17.7	14.1	17.7	17.7	17.7
80°	0.0	0.0	3.5	7.1	10.6	17.7	21.2	17.7	14.1	14.1
82.5°	0.0	0.0	3.5	10.6	10.6	24.8	24.8	24.8	10.6	10.6
85°	0.0	0.0	7.1	10.6	17.7	28.3	28.3	21.2	10.6	7.1
87.5°	0.0	0.0	3.5	7.1	7.1	14.1	21.2	17.7	7.1	3.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P637803

CATALOG NUMBER: IFLD-L-SA7C-722-U-66-VI

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
32896.9	0°	32896.9	32896.9	32896.9	32896.9	32896.9	32896.9	32896.9	32896.9	32896.9
32589.2	2.5°	32850.9	32762.5	32928.7	32949.9	32879.2	32790.8	32585.6	32567.9	32210.7
31867.6	5°	32228.4	32083.4	32189.5	32260.2	32235.5	32140.0	32055.1	31977.3	31655.4
30696.9	7.5°	31068.3	31015.2	31064.8	31117.8	31220.4	31117.8	31082.4	31001.1	30682.8
29543.9	10°	29780.9	29681.8	29869.3	29844.5	29816.2	29787.9	29639.4	29653.5	29278.6
27973.5	12.5°	28199.8	28033.6	28214.0	28235.2	28214.0	28115.0	27948.7	28019.5	27676.4
25851.3	15°	26074.2	26056.5	26187.3	26272.2	26332.4	26226.2	26169.7	26205.0	25999.9
23120.8	17.5°	23463.9	23693.8	24121.8	24266.8	24270.3	24380.0	24348.1	24305.7	24153.6
20096.8	20°	20393.9	20836.0	21493.9	22169.4	22363.9	22272.0	22229.5	22307.3	22081.0
17256.6	22.5°	17560.8	17939.2	18703.2	19690.0	20259.5	20316.1	20305.4	20238.2	20149.8
14982.4	25°	15155.7	15491.7	16223.8	17125.8	18218.7	18381.4	18388.4	18367.2	18289.4
12920.4	27.5°	13125.5	13532.2	13935.5	14741.9	15905.5	16577.5	16492.6	16467.9	16439.6
11180.2	30°	11286.3	11799.2	12177.6	12679.9	13723.2	14632.2	14720.7	14678.2	14611.0
9740.7	32.5°	9829.1	10133.3	10614.3	10953.8	11703.7	12732.9	13072.4	13040.6	12980.5
8442.6	35°	8562.9	8683.1	9061.6	9440.0	9938.7	10936.2	11438.4	11367.7	11357.0
6879.3	37.5°	7052.6	7455.8	7664.5	8046.5	8396.6	9171.2	9864.5	9832.6	9836.2
5531.7	40°	5694.4	5927.9	6341.7	6663.6	6985.4	7551.3	8322.4	8343.6	8336.5
4283.2	42.5°	4371.6	4598.0	5033.0	5383.2	5669.7	6019.8	6755.5	6780.3	6812.1
3335.3	45°	3413.1	3558.1	3876.5	4240.8	4544.9	4757.2	5316.0	5475.1	5478.7
2585.5	47.5°	2649.2	2815.4	3041.7	3391.9	3689.0	3841.1	4247.8	4463.6	4453.0
1984.2	50°	2079.7	2231.8	2415.7	2691.6	3013.5	3133.7	3434.3	3646.6	3636.0
1496.1	52.5°	1591.6	1786.1	1948.8	2161.1	2475.8	2578.4	2794.2	3038.2	3002.8
1096.4	55°	1206.1	1404.2	1556.2	1733.1	2019.6	2150.4	2299.0	2493.5	2500.6
848.9	57.5°	909.0	1114.1	1252.1	1432.5	1648.2	1793.2	1906.4	2115.1	2111.5
580.1	60°	650.8	827.6	993.9	1181.3	1347.6	1513.8	1591.6	1789.7	1796.8
410.3	62.5°	470.4	636.6	795.8	958.5	1107.1	1269.8	1340.5	1496.1	1517.3
268.8	65°	328.9	445.7	629.6	753.4	919.6	1039.9	1131.8	1266.2	1291.0
159.2	67.5°	212.2	321.9	498.7	608.3	760.4	863.0	958.5	1064.6	1096.4
102.6	70°	127.3	244.0	371.4	488.1	626.0	718.0	810.0	901.9	919.6
49.5	72.5°	81.3	169.8	268.8	396.1	502.2	601.3	682.6	749.8	696.8
31.8	75°	46.0	116.7	212.2	311.2	406.7	502.2	569.4	604.8	484.6
21.2	77.5°	28.3	84.9	173.3	251.1	314.8	403.2	445.7	466.9	346.6
14.1	80°	17.7	63.7	145.0	205.1	205.1	297.1	346.6	364.3	251.1
10.6	82.5°	14.1	46.0	113.2	155.6	137.9	222.8	272.3	275.9	176.8
7.1	85°	10.6	35.4	70.7	102.6	95.5	155.6	159.2	176.8	116.7
7.1	87.5°	7.1	21.2	42.4	60.1	53.1	74.3	84.9	95.5	63.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
32896.9
31931.3
31397.2
30615.6
29151.3
27577.4
25752.3
23927.3
21918.3
19980.1
18027.7
16273.4
14526.1
12821.3
11240.3
9723.0
8212.7
6706.0
5386.7
4414.1
3636.0
3006.4
2500.6
2104.5
1779.1
1510.3
1283.9
1092.9
905.5
647.3
459.8
325.4
233.4
162.7
106.1
56.6
0.0

(END OF REPORT)