

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: P637265

Luminaire Tested: **IFLD-S-SA3B-722-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637265
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-722-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (48) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12088.7 lumens
Efficiency: N/A
Efficacy: 98.8 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

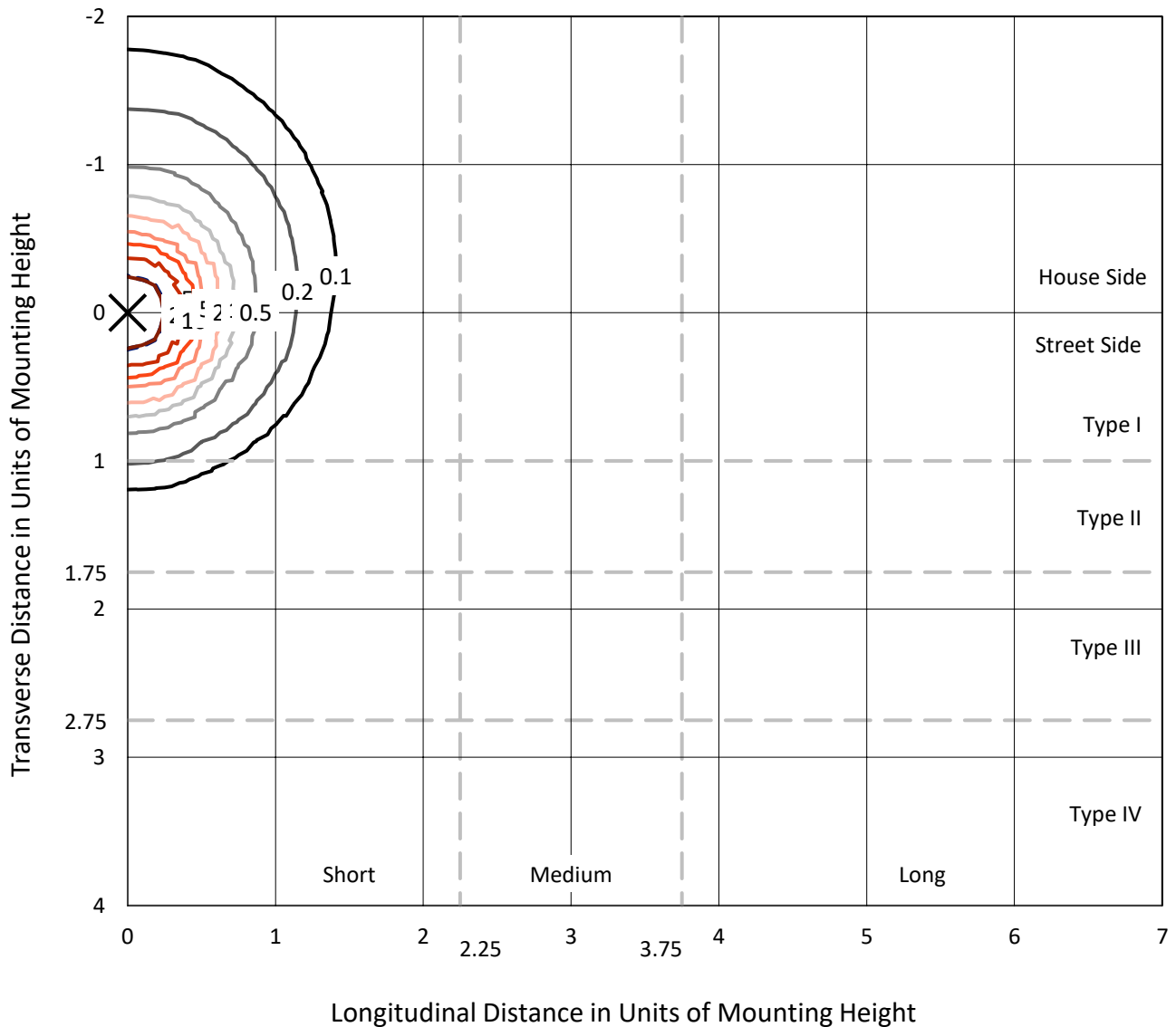
Input Watts (W): 122.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

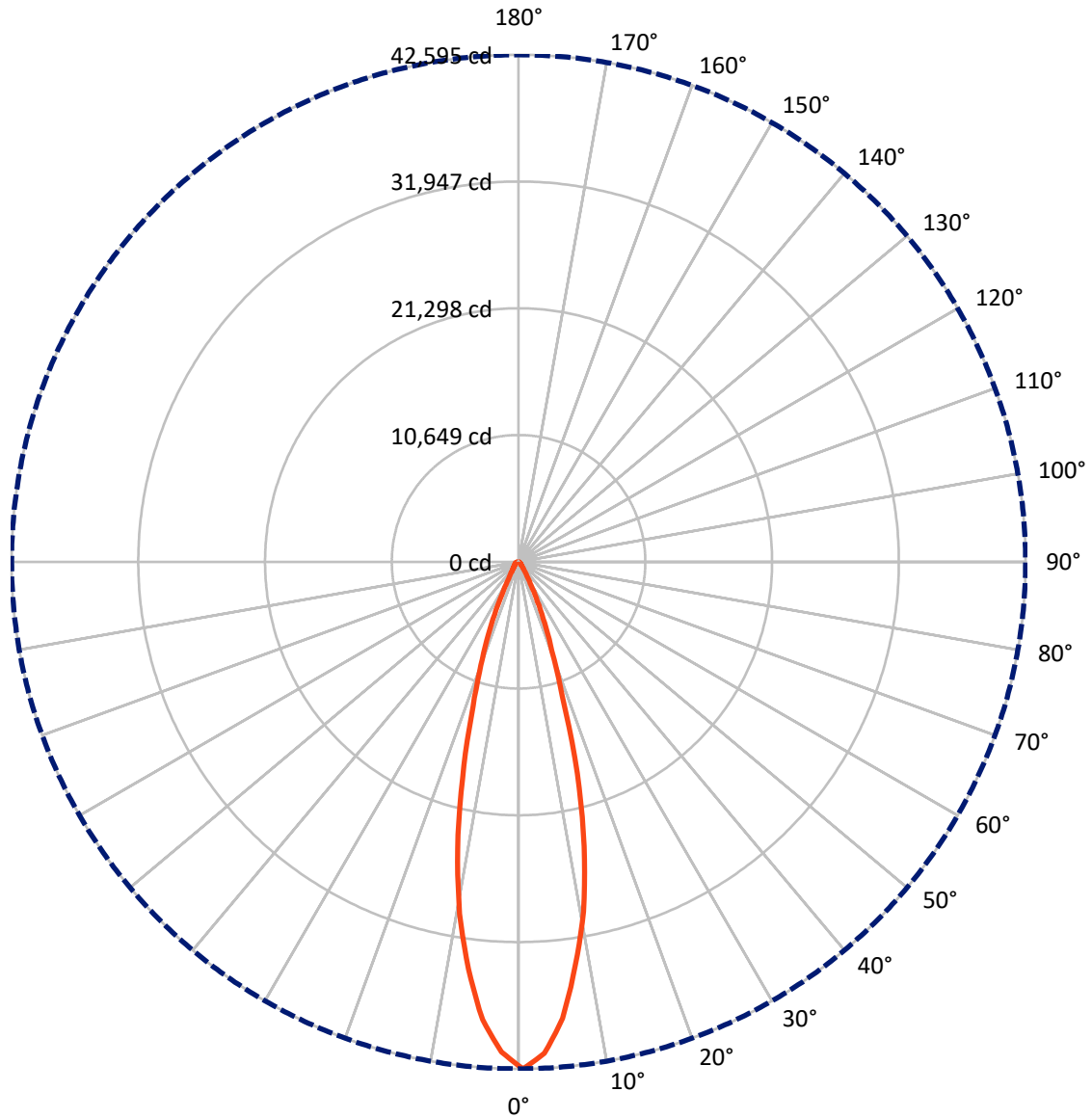
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 106.5 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	6374.0	0.0	6374.0
	% Fixture	52.7	0.0	52.7
Street Side	Lumens	5714.7	0.0	5714.7
	% Fixture	47.3	0.0	47.3
Total	Lumens	12088.7	0.0	12088.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3437.8	28.4
10°-20°	5206.6	43.1
20°-30°	2197.2	18.2
30°-40°	573.1	4.7
40°-50°	289.8	2.4
50°-60°	189.4	1.6
60°-70°	113.5	0.9
70°-80°	59.7	0.5
80°-90°	21.6	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°	12088.7	100.0
0°-180°	12088.7	100.0

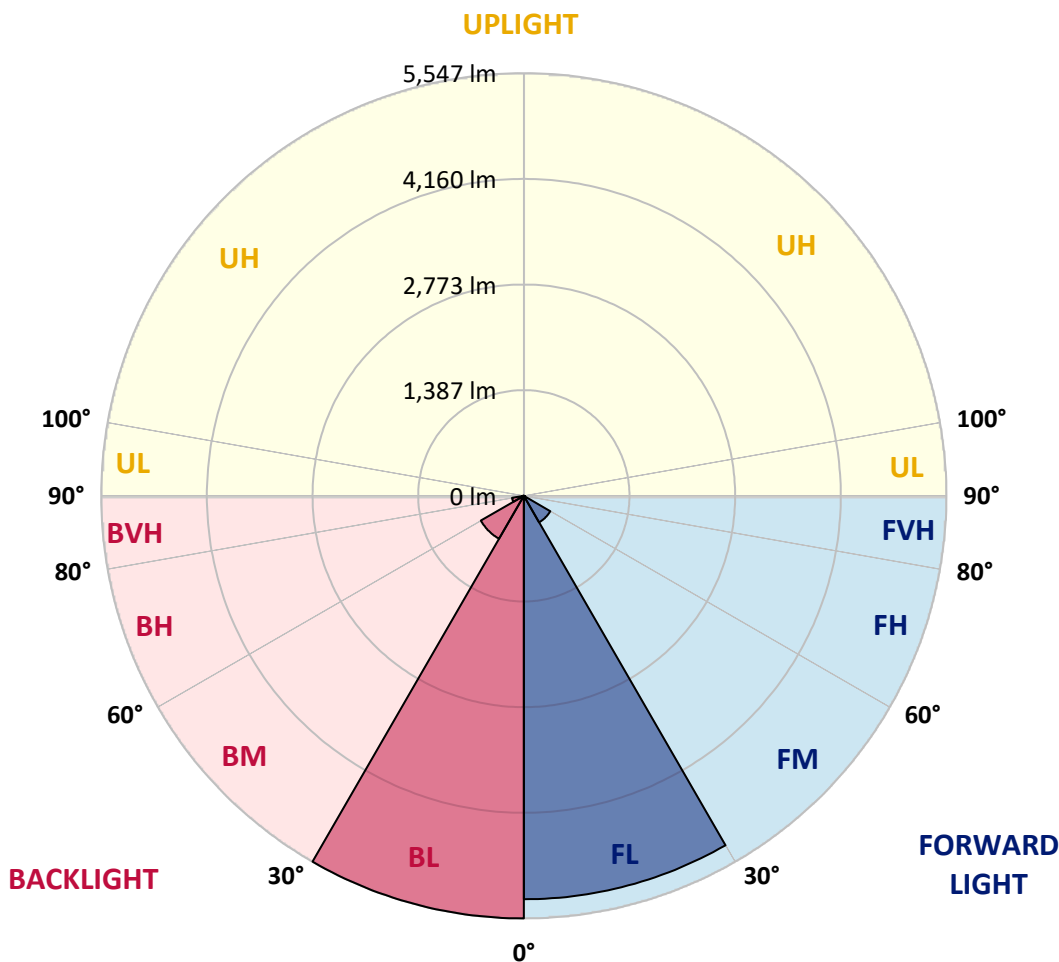


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5294.8	43.8			
FM (30°-60°)	401.0	3.3			
FH (60°-80°)	16.3	0.1			G0/660
FVH (80°-90°)	2.6	0.0			G0/10
BL (0°-30°)	5546.8	45.9	B5		
BM (30°-60°)	651.4	5.4	B1/1000		
BH (60°-80°)	156.9	1.3	B1/500		G0/660
BVH (80°-90°)	18.9	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-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	42595.4	42595.4	42595.4	42595.4	42595.4	42595.4	42595.4	42595.4	42595.4	42595.4
2.5°	41354.6	41377.7	41292.1	41476.8	41332.9	41718.4	41527.0	41825.7	41725.2	41892.2
5°	38530.8	38492.8	38468.4	38754.8	38672.0	39086.1	38821.3	38734.5	39003.3	38954.4
7.5°	34266.7	34367.1	34310.1	34384.8	34426.9	34899.3	35048.6	34931.9	34936.0	35003.8
10°	29895.3	29747.3	29536.9	29676.7	29972.6	30179.0	30096.2	30267.2	30229.2	30390.8
12.5°	24516.5	24633.3	24515.2	24390.3	24907.5	24850.5	24994.4	25088.1	24853.2	25375.9
15°	18467.2	18528.2	18672.2	18662.6	19060.4	19140.5	19121.5	19220.6	19037.3	19124.2
17.5°	11863.9	12070.2	12457.2	13111.5	13847.3	13932.8	13911.1	13829.7	13741.4	13643.7
20°	7969.0	7947.3	8087.1	8278.5	9801.7	10204.9	10192.7	9937.5	9568.2	9497.6
22.5°	5582.4	5623.1	5604.1	5794.2	6109.1	7221.0	7083.9	6824.6	6703.7	6625.0
25°	3672.3	3657.3	3752.4	3809.4	4079.5	4215.3	4695.9	4599.5	4413.5	4433.9
27.5°	2238.6	2257.7	2293.0	2341.8	2533.2	2489.8	2764.0	2800.7	2741.0	2677.1
30°	1373.9	1387.4	1416.0	1451.3	1517.8	1470.3	1546.3	1678.0	1656.2	1611.4
32.5°	932.7	934.0	954.4	968.0	959.8	915.0	939.4	1064.3	1067.1	1063.0
35°	670.6	670.6	689.7	700.5	677.4	640.8	644.9	722.2	756.2	763.0
37.5°	462.9	464.3	496.9	529.5	503.7	494.2	477.9	529.5	583.8	591.9
40°	351.6	350.3	366.5	391.0	393.7	376.0	381.5	414.1	469.7	476.5
42.5°	285.1	286.4	294.6	291.9	293.2	316.3	324.5	339.4	391.0	403.2
45°	240.3	241.6	245.7	232.1	226.7	262.0	272.9	281.0	324.5	339.4
47.5°	198.2	200.9	205.0	190.1	187.3	210.4	229.4	237.6	275.6	291.9
50°	142.5	145.3	160.2	152.0	160.2	165.6	191.4	203.6	229.4	251.2
52.5°	103.2	105.9	110.0	111.3	131.7	134.4	153.4	172.4	184.6	209.1
55°	81.5	84.2	81.5	78.7	96.4	111.3	118.1	138.5	148.0	176.5
57.5°	46.2	48.9	52.9	61.1	63.8	85.5	92.3	110.0	118.1	145.3
60°	8.1	9.5	14.9	36.7	44.8	54.3	69.2	84.2	95.0	114.0
62.5°	1.4	1.4	2.7	8.1	25.8	38.0	50.2	59.7	69.2	86.9
65°	0.0	0.0	1.4	2.7	6.8	21.7	27.2	35.3	47.5	62.4
67.5°	0.0	0.0	1.4	2.7	4.1	8.1	12.2	21.7	27.2	42.1
70°	0.0	0.0	1.4	2.7	4.1	5.4	6.8	9.5	16.3	25.8
72.5°	0.0	0.0	1.4	2.7	4.1	5.4	6.8	8.1	8.1	16.3
75°	0.0	0.0	1.4	2.7	4.1	6.8	8.1	8.1	6.8	6.8
77.5°	0.0	0.0	1.4	2.7	5.4	8.1	9.5	8.1	5.4	5.4
80°	0.0	0.0	2.7	4.1	6.8	9.5	12.2	9.5	5.4	2.7
82.5°	0.0	0.0	2.7	5.4	6.8	10.9	14.9	12.2	5.4	2.7
85°	0.0	0.0	1.4	4.1	8.1	10.9	14.9	10.9	5.4	1.4
87.5°	0.0	0.0	1.4	1.4	2.7	4.1	8.1	6.8	2.7	1.4
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°
42595.4	0°	42595.4	42595.4	42595.4	42595.4	42595.4	42595.4	42595.4	42595.4	42595.4
41575.9	2.5°	41814.8	42032.0	42076.8	42017.1	42104.0	41947.9	41828.4	41518.9	41332.9
38939.5	5°	39190.6	39158.0	39384.7	39459.4	39449.9	39330.4	39163.5	38976.1	38794.2
34872.1	7.5°	35089.4	35131.4	35337.8	35469.5	35403.0	35253.6	35138.2	34997.0	34874.9
30449.2	10°	30727.5	30438.3	30694.9	30694.9	30872.7	30450.5	30489.9	30134.2	30150.5
25366.4	12.5°	25453.3	25557.8	25599.9	25720.7	25513.0	25289.0	25014.8	24960.5	24790.8
18958.6	15°	19231.5	19530.1	19273.6	19712.1	19500.3	19266.8	19224.7	18803.8	18936.9
13750.9	17.5°	13683.0	14012.9	14116.1	14367.3	14174.5	14036.0	13860.9	13733.3	13723.8
9626.6	20°	9702.6	10033.9	10109.9	10411.3	10389.6	10346.1	10198.1	10036.6	9861.5
6553.0	22.5°	6652.1	6922.3	7174.8	7580.7	7573.9	7446.3	7431.4	7203.3	7207.4
4427.1	25°	4473.2	4670.1	4729.8	5145.2	5191.4	5177.8	5100.4	4888.6	4968.7
2704.3	27.5°	2707.0	2879.4	3081.7	3228.3	3366.8	3345.1	3267.7	3149.6	3098.0
1625.0	30°	1668.5	1745.8	1820.5	1997.0	2079.8	2123.3	2086.6	1976.6	1984.8
1069.8	32.5°	1092.9	1158.0	1212.3	1323.6	1367.1	1447.2	1432.2	1409.2	1382.0
769.7	35°	796.9	844.4	881.1	932.7	988.3	1056.2	1067.1	1057.6	1046.7
594.6	37.5°	608.2	657.1	699.2	720.9	764.3	817.3	847.1	845.8	837.6
484.7	40°	494.2	530.8	568.8	597.3	627.2	666.6	703.2	707.3	707.3
407.3	42.5°	412.7	443.9	481.9	511.8	533.5	570.2	608.2	610.9	608.2
344.8	45°	353.0	380.1	416.8	452.1	469.7	496.9	533.5	541.7	536.2
296.0	47.5°	306.8	331.2	362.5	400.5	419.5	443.9	477.9	487.4	486.0
255.2	50°	263.4	291.9	323.1	354.3	378.8	401.8	434.4	445.3	441.2
217.2	52.5°	232.1	257.9	285.1	319.0	347.5	367.9	393.7	412.7	407.3
183.3	55°	194.1	225.4	253.9	282.4	317.7	339.4	363.8	386.9	381.5
154.8	57.5°	168.3	194.1	226.7	252.5	287.8	313.6	338.0	362.5	361.1
126.3	60°	141.2	168.3	199.6	226.7	259.3	287.8	312.2	339.4	342.1
95.0	62.5°	111.3	143.9	171.1	202.3	234.9	266.1	287.8	315.0	319.0
72.0	65°	84.2	118.1	148.0	177.8	210.4	244.4	263.4	286.4	290.5
52.9	67.5°	62.4	91.0	126.3	153.4	187.3	219.9	237.6	256.6	263.4
32.6	70°	47.5	69.2	105.9	131.7	167.0	192.8	211.8	228.1	233.5
21.7	72.5°	29.9	54.3	85.5	112.7	143.9	167.0	180.6	190.1	198.2
12.2	75°	20.4	42.1	69.2	96.4	119.5	137.1	149.3	157.5	164.3
5.4	77.5°	12.2	32.6	57.0	80.1	95.0	108.6	120.8	126.3	130.3
4.1	80°	6.8	24.4	47.5	65.2	74.7	84.2	93.7	100.5	103.2
2.7	82.5°	4.1	19.0	38.0	50.2	54.3	63.8	73.3	77.4	77.4
1.4	85°	2.7	13.6	25.8	36.7	39.4	46.2	48.9	51.6	54.3
1.4	87.5°	2.7	8.1	16.3	20.4	21.7	24.4	25.8	28.5	31.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
42595.4
41195.8
38590.6
34460.8
29991.7
24636.0
18803.8
13471.3
9785.4
7128.7
4842.5
3053.2
1949.5
1372.5
1042.6
833.6
699.2
605.5
536.2
483.3
438.5
405.9
384.2
362.5
343.5
321.7
294.6
266.1
236.2
196.8
162.9
129.0
100.5
76.0
52.9
29.9
0.0

(END OF REPORT)