

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: P637262

Luminaire Tested: **IFLD-S-SA2D-722-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637262
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2D-722-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (32) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11110.9 lumens
Efficiency: N/A
Efficacy: 89.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

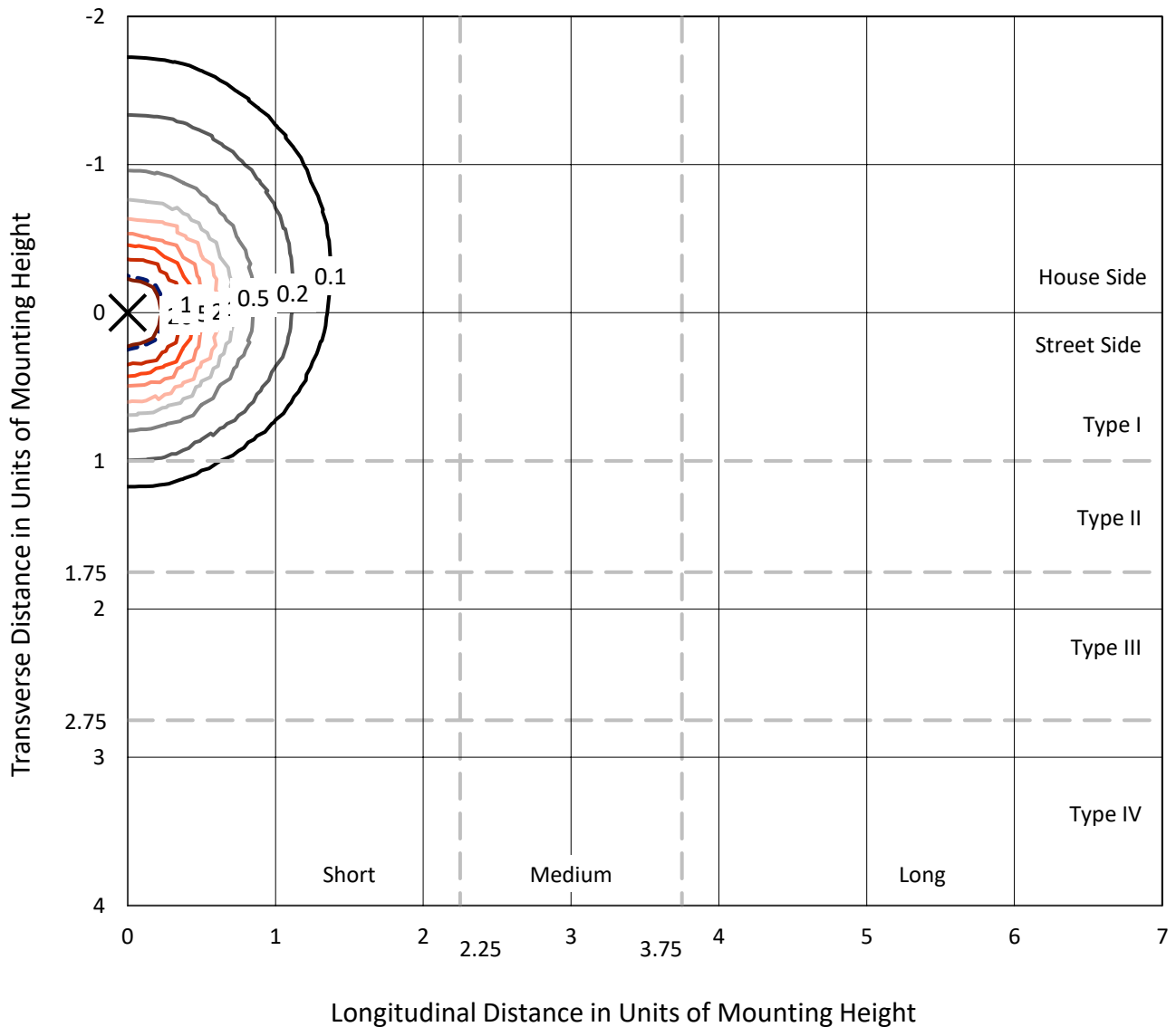
Input Watts (W): 123.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

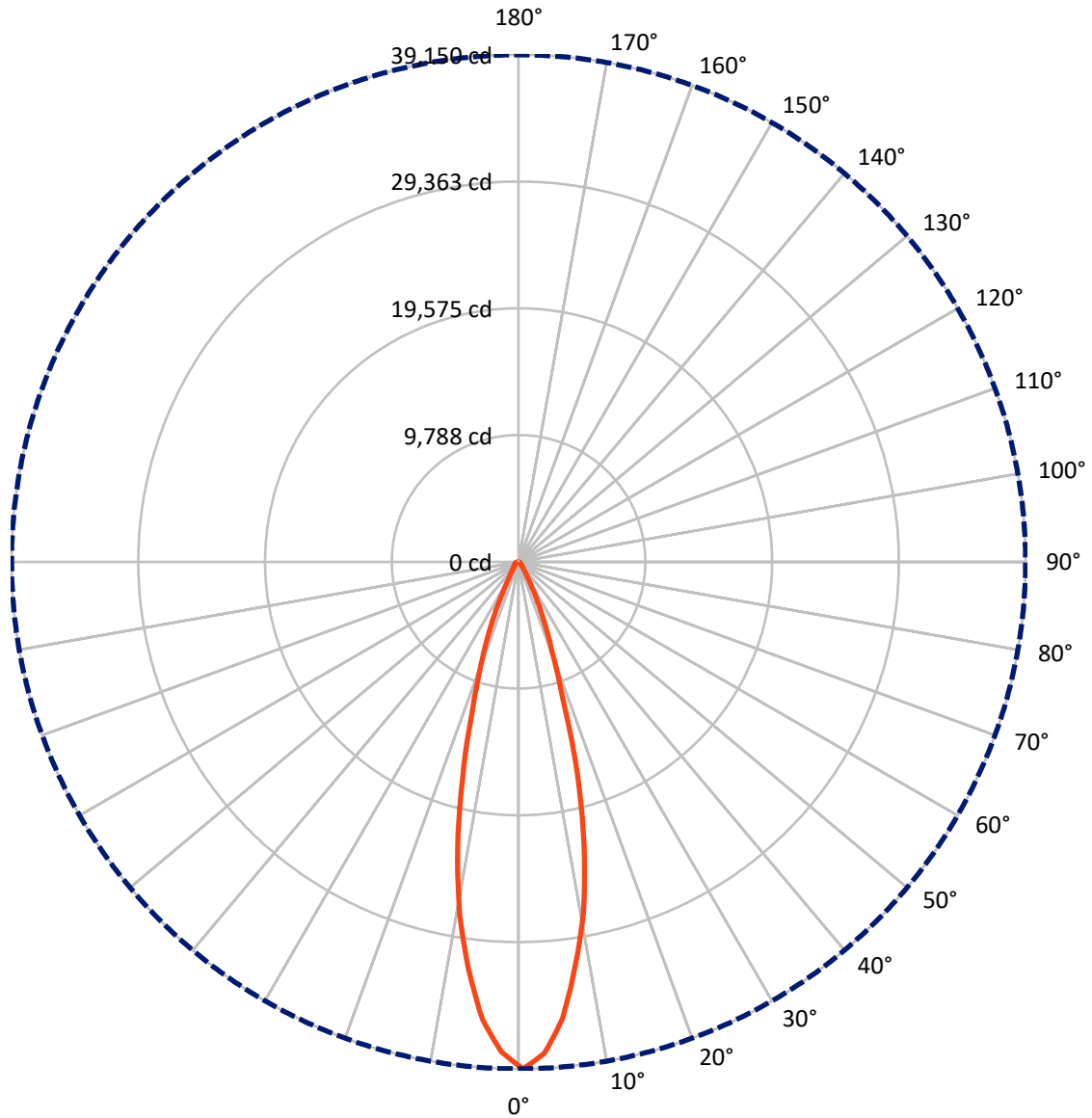
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 97.9 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	5858.4	0.0	5858.4
	% Fixture	52.7	0.0	52.7
Street Side	Lumens	5252.5	0.0	5252.5
	% Fixture	47.3	0.0	47.3
Total	Lumens	11110.9	0.0	11110.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3159.8	28.4
10°-20°	4785.4	43.1
20°-30°	2019.5	18.2
30°-40°	526.7	4.7
40°-50°	266.4	2.4
50°-60°	174.1	1.6
60°-70°	104.3	0.9
70°-80°	54.9	0.5
80°-90°	19.8	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°	11110.9	100.0
0°-180°	11110.9	100.0

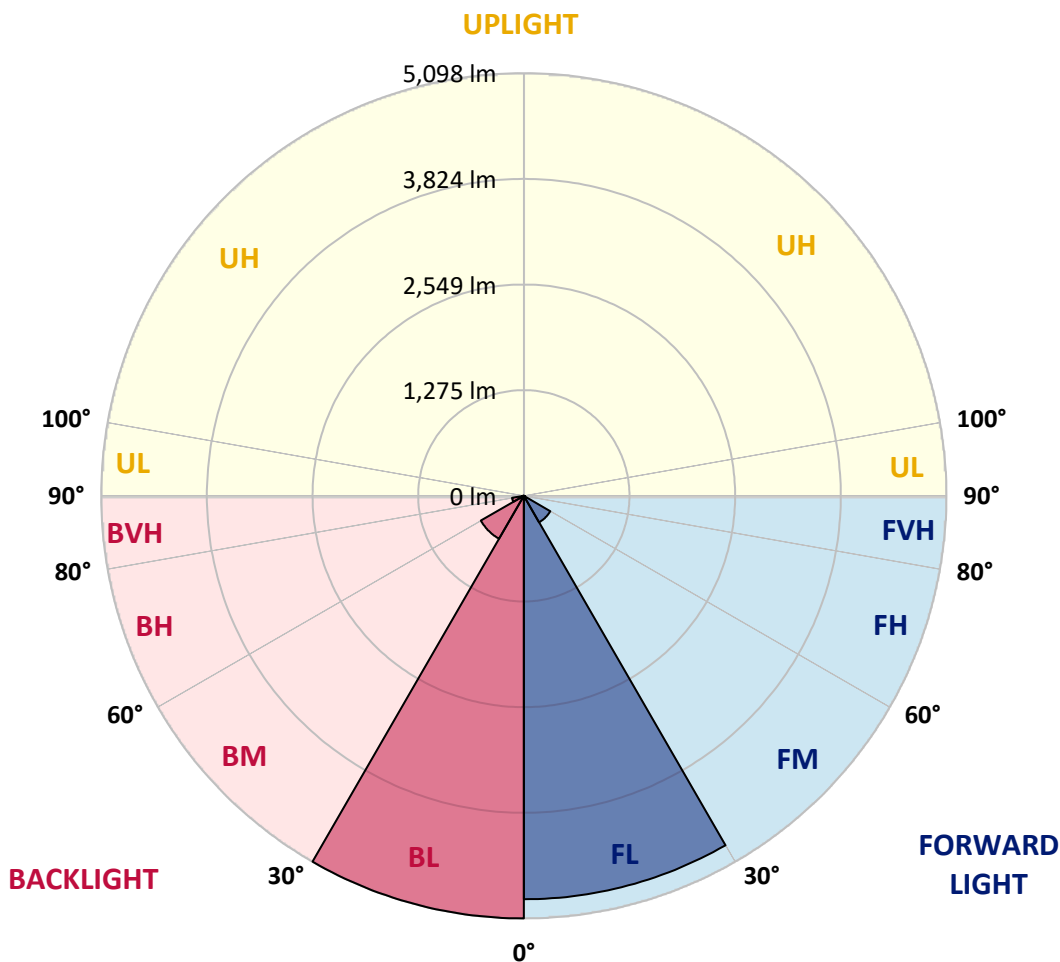


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4866.5	43.8			
FM (30°-60°)	368.6	3.3			
FH (60°-80°)	15.0	0.1			G0/660
FVH (80°-90°)	2.4	0.0			G0/10
BL (0°-30°)	5098.2	45.9	B5		
BM (30°-60°)	598.7	5.4	B1/1000		
BH (60°-80°)	144.2	1.3	B1/500		G0/660
BVH (80°-90°)	17.4	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°	39150.1	39150.1	39150.1	39150.1	39150.1	39150.1	39150.1	39150.1	39150.1	39150.1
2.5°	38009.6	38030.8	37952.2	38121.9	37989.6	38344.0	38168.1	38442.6	38350.2	38503.7
5°	35414.2	35379.3	35356.8	35620.1	35544.0	35924.6	35681.3	35601.4	35848.5	35803.5
7.5°	31495.0	31587.3	31534.9	31603.5	31642.2	32076.4	32213.7	32106.4	32110.1	32172.5
10°	27477.2	27341.2	27147.8	27276.3	27548.3	27737.9	27661.8	27819.1	27784.1	27932.6
12.5°	22533.5	22640.8	22532.2	22417.5	22892.9	22840.4	22972.7	23058.8	22842.9	23323.3
15°	16973.4	17029.6	17161.8	17153.1	17518.7	17592.3	17574.9	17665.9	17497.5	17577.3
17.5°	10904.3	11093.9	11449.5	12051.0	12727.3	12805.9	12785.9	12711.0	12629.9	12540.1
20°	7324.4	7304.5	7433.0	7608.9	9008.9	9379.5	9368.3	9133.7	8794.3	8729.4
22.5°	5130.8	5168.3	5150.8	5325.5	5615.0	6636.9	6510.9	6272.5	6161.5	6089.1
25°	3375.2	3361.5	3448.8	3501.2	3749.6	3874.3	4316.0	4227.4	4056.5	4075.2
27.5°	2057.6	2075.0	2107.5	2152.4	2328.3	2288.4	2540.5	2574.2	2519.2	2460.6
30°	1262.7	1275.2	1301.4	1333.9	1395.0	1351.3	1421.2	1542.2	1522.3	1481.1
32.5°	857.2	858.5	877.2	889.7	882.2	841.0	863.5	978.3	980.7	977.0
35°	616.4	616.4	633.9	643.8	622.6	588.9	592.7	663.8	695.0	701.2
37.5°	425.5	426.7	456.7	486.6	462.9	454.2	439.2	486.6	536.5	544.0
40°	323.2	321.9	336.9	359.4	361.9	345.6	350.6	380.6	431.7	438.0
42.5°	262.0	263.3	270.8	268.3	269.5	290.7	298.2	311.9	359.4	370.6
45°	220.9	222.1	225.8	213.4	208.4	240.8	250.8	258.3	298.2	311.9
47.5°	182.2	184.7	188.4	174.7	172.2	193.4	210.9	218.4	253.3	268.3
50°	131.0	133.5	147.2	139.8	147.2	152.2	175.9	187.2	210.9	230.8
52.5°	94.8	97.3	101.1	102.3	121.0	123.5	141.0	158.5	169.7	192.2
55°	74.9	77.4	74.9	72.4	88.6	102.3	108.6	127.3	136.0	162.2
57.5°	42.4	44.9	48.7	56.1	58.6	78.6	84.8	101.1	108.6	133.5
60°	7.5	8.7	13.7	33.7	41.2	49.9	63.6	77.4	87.3	104.8
62.5°	1.2	1.2	2.5	7.5	23.7	34.9	46.2	54.9	63.6	79.9
65°	0.0	0.0	1.2	2.5	6.2	20.0	25.0	32.4	43.7	57.4
67.5°	0.0	0.0	1.2	2.5	3.7	7.5	11.2	20.0	25.0	38.7
70°	0.0	0.0	1.2	2.5	3.7	5.0	6.2	8.7	15.0	23.7
72.5°	0.0	0.0	1.2	2.5	3.7	5.0	6.2	7.5	7.5	15.0
75°	0.0	0.0	1.2	2.5	3.7	6.2	7.5	7.5	6.2	6.2
77.5°	0.0	0.0	1.2	2.5	5.0	7.5	8.7	7.5	5.0	5.0
80°	0.0	0.0	2.5	3.7	6.2	8.7	11.2	8.7	5.0	2.5
82.5°	0.0	0.0	2.5	5.0	6.2	10.0	13.7	11.2	5.0	2.5
85°	0.0	0.0	1.2	3.7	7.5	10.0	13.7	10.0	5.0	1.2
87.5°	0.0	0.0	1.2	1.2	2.5	3.7	7.5	6.2	2.5	1.2
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°
39150.1	0°	39150.1	39150.1	39150.1	39150.1	39150.1	39150.1	39150.1	39150.1	39150.1
38213.0	2.5°	38432.6	38632.2	38673.4	38618.5	38698.4	38554.9	38445.1	38160.6	37989.6
35789.8	5°	36020.6	35990.7	36199.1	36267.7	36259.0	36149.2	35995.7	35823.5	35656.3
32051.5	7.5°	32251.1	32289.8	32479.5	32600.5	32539.4	32402.1	32296.1	32166.3	32054.0
27986.3	10°	28242.0	27976.3	28212.1	28212.1	28375.6	27987.5	28023.7	27696.8	27711.7
23314.6	12.5°	23394.5	23490.5	23529.2	23640.3	23449.4	23243.5	22991.4	22941.5	22785.5
17425.1	15°	17675.9	17950.4	17714.6	18117.6	17923.0	17708.4	17669.7	17282.9	17405.2
12638.7	17.5°	12576.3	12879.5	12974.3	13205.2	13028.0	12900.7	12739.7	12622.5	12613.7
8847.9	20°	8917.8	9222.3	9292.1	9569.2	9549.2	9509.3	9373.3	9224.8	9063.8
6023.0	22.5°	6114.1	6362.4	6594.5	6967.6	6961.3	6844.0	6830.3	6620.7	6624.4
4069.0	25°	4111.4	4292.3	4347.2	4729.1	4771.5	4759.0	4687.9	4493.2	4566.8
2485.6	27.5°	2488.1	2646.5	2832.4	2967.2	3094.5	3074.5	3003.4	2894.8	2847.4
1493.6	30°	1533.5	1604.6	1673.3	1835.5	1911.6	1951.5	1917.8	1816.8	1824.2
983.2	32.5°	1004.5	1064.3	1114.3	1216.6	1256.5	1330.1	1316.4	1295.2	1270.2
707.5	35°	732.4	776.1	809.8	857.2	908.4	970.8	980.7	972.0	962.0
546.5	37.5°	559.0	603.9	642.6	662.6	702.5	751.2	778.6	777.4	769.9
445.5	40°	454.2	487.9	522.8	549.0	576.5	612.7	646.3	650.1	650.1
374.3	42.5°	379.3	408.0	443.0	470.4	490.4	524.1	559.0	561.5	559.0
316.9	45°	324.4	349.4	383.1	415.5	431.7	456.7	490.4	497.9	492.9
272.0	47.5°	282.0	304.5	333.2	368.1	385.6	408.0	439.2	447.9	446.7
234.6	50°	242.1	268.3	297.0	325.7	348.1	369.3	399.3	409.3	405.5
199.6	52.5°	213.4	237.1	262.0	293.2	319.4	338.1	361.9	379.3	374.3
168.4	55°	178.4	207.1	233.3	259.5	292.0	311.9	334.4	355.6	350.6
142.2	57.5°	154.7	178.4	208.4	232.1	264.5	288.2	310.7	333.2	331.9
116.0	60°	129.8	154.7	183.4	208.4	238.3	264.5	287.0	311.9	314.4
87.3	62.5°	102.3	132.3	157.2	185.9	215.9	244.6	264.5	289.5	293.2
66.1	65°	77.4	108.6	136.0	163.5	193.4	224.6	242.1	263.3	267.0
48.7	67.5°	57.4	83.6	116.0	141.0	172.2	202.1	218.4	235.8	242.1
29.9	70°	43.7	63.6	97.3	121.0	153.5	177.2	194.7	209.6	214.6
20.0	72.5°	27.5	49.9	78.6	103.6	132.3	153.5	166.0	174.7	182.2
11.2	75°	18.7	38.7	63.6	88.6	109.8	126.0	137.3	144.7	151.0
5.0	77.5°	11.2	29.9	52.4	73.6	87.3	99.8	111.1	116.0	119.8
3.7	80°	6.2	22.5	43.7	59.9	68.6	77.4	86.1	92.3	94.8
2.5	82.5°	3.7	17.5	34.9	46.2	49.9	58.6	67.4	71.1	71.1
1.2	85°	2.5	12.5	23.7	33.7	36.2	42.4	44.9	47.4	49.9
1.2	87.5°	2.5	7.5	15.0	18.7	20.0	22.5	23.7	26.2	28.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
39150.1
37863.6
35469.1
31673.4
27565.8
22643.3
17282.9
12381.6
8993.9
6552.0
4450.8
2806.2
1791.8
1261.5
958.3
766.1
642.6
556.5
492.9
444.2
403.0
373.1
353.1
333.2
315.7
295.7
270.8
244.6
217.1
180.9
149.7
118.5
92.3
69.9
48.7
27.5
0.0

(END OF REPORT)