

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: P636494

Luminaire Tested: **IFLD-M-SA4D-935-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636494
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4D-935-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (64) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17188.9 lumens
Efficiency: N/A
Efficacy: 68.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 249.7
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



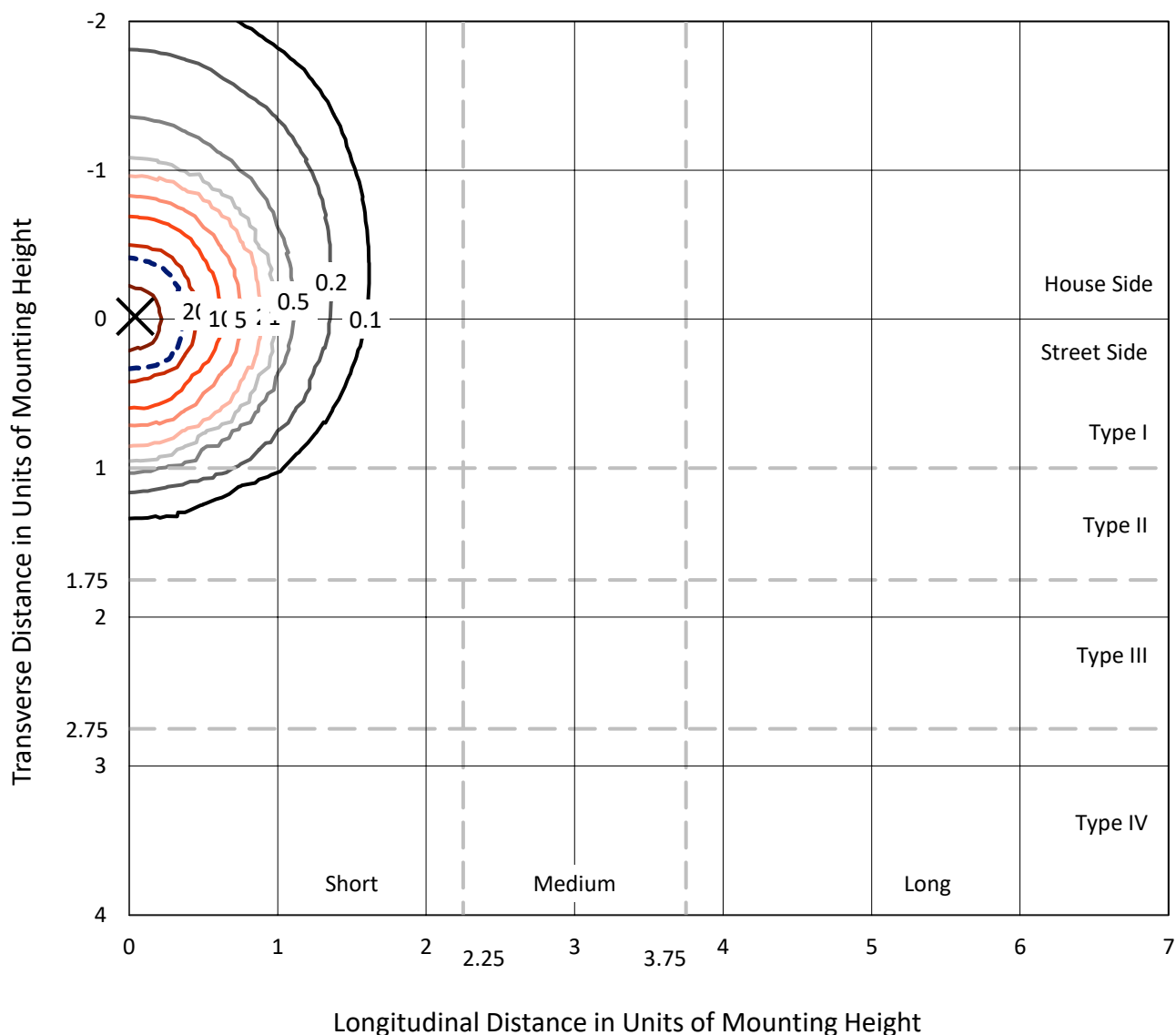
REPORT NUMBER: P636494

CATALOG NUMBER: IFLD-M-SA4D-935-U-55-VI

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

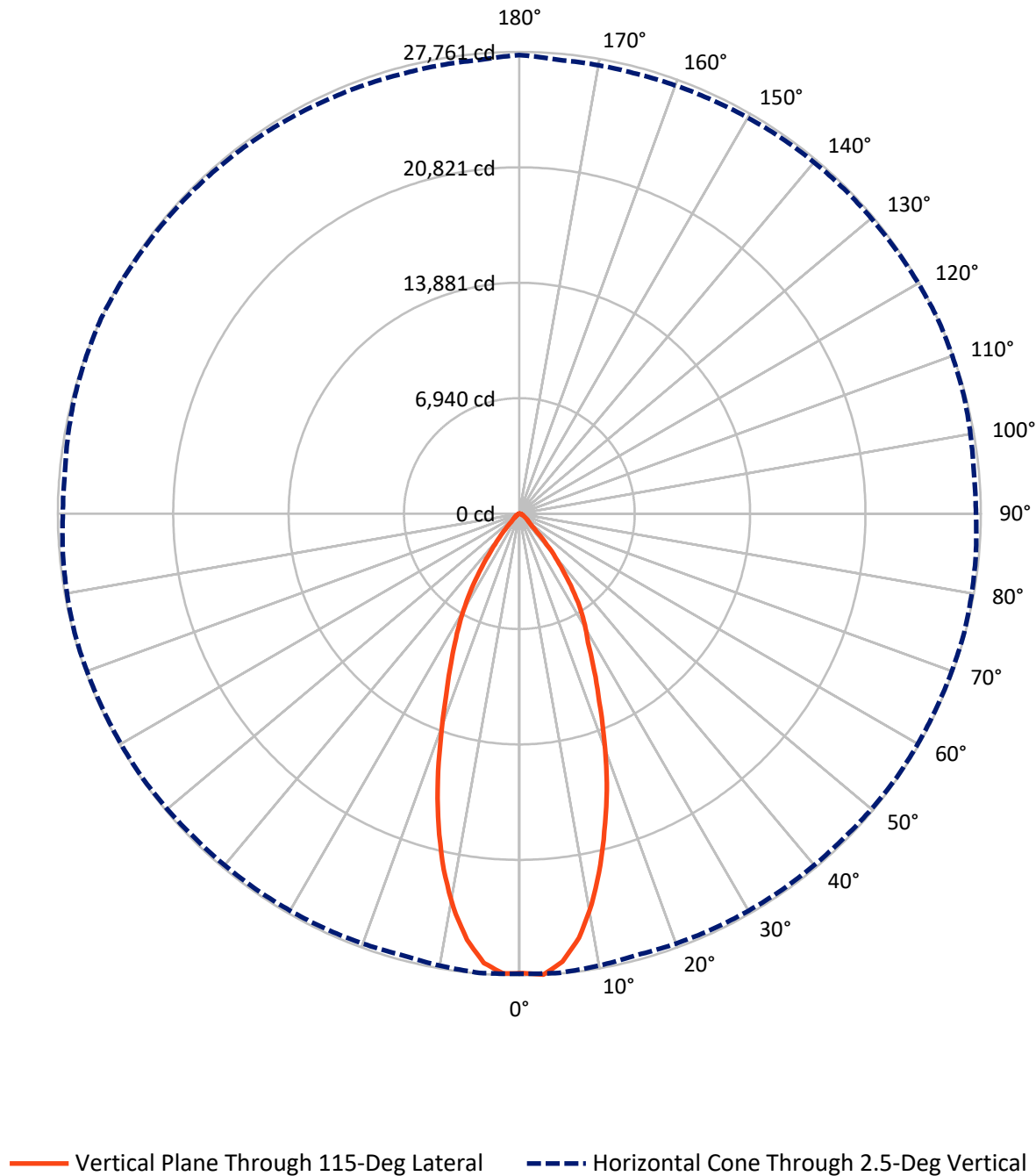


Based on 20 foot mounting height. Maximum calculated value = 69.1 fc

Type I - Short - N/A

REPORT NUMBER: P636494
CATALOG NUMBER: IFLD-M-SA4D-935-U-55-VI

Luminous Intensity Polar Plot



REPORT NUMBER: P636494

CATALOG NUMBER: IFLD-M-SA4D-935-U-55-VI

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9486.3	0.0	9486.3
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	7702.6	0.0	7702.6
	% Fixture	44.8	0.0	44.8
Total	Lumens	17188.9	0.0	17188.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2478.3	14.4
10°-20°	5237.8	30.5
20°-30°	4727.5	27.5
30°-40°	3128.5	18.2
40°-50°	937.2	5.5
50°-60°	375.9	2.2
60°-70°	194.7	1.1
70°-80°	84.5	0.5
80°-90°	24.6	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°	17188.9	100.0
0°-180°	17188.9	100.0

Coefficient of Utilization



REPORT NUMBER: P636494

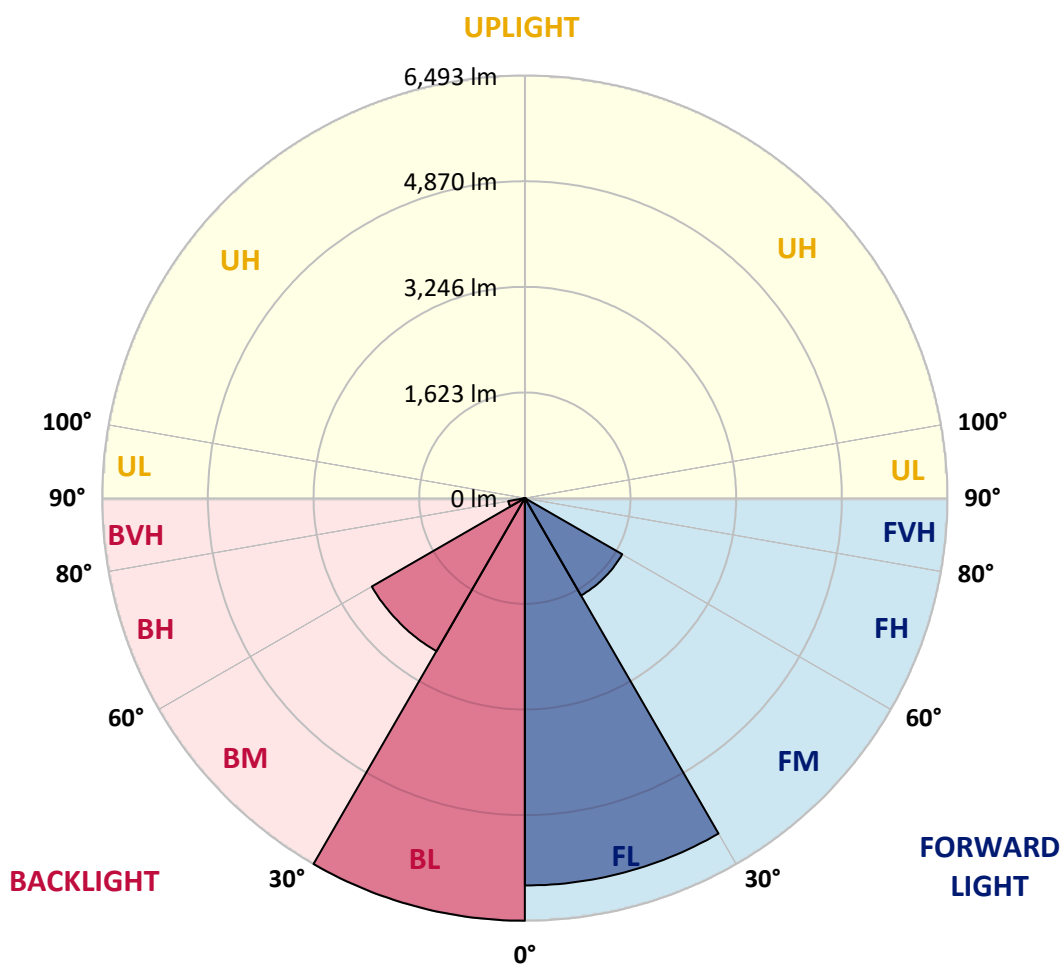
CATALOG NUMBER: IFLD-M-SA4D-935-U-55-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5950.9	34.6			
FM	(30°-60°)	1726.8	10.0			
FH	(60°-80°)	21.4	0.1			G0/660
FVH	(80°-90°)	3.5	0.0			G0/10
BL	(0°-30°)	6492.7	37.8	B5		
BM	(30°-60°)	2714.8	15.8	B3/5000		
BH	(60°-80°)	257.8	1.5	B1/500		G1/500
BVH	(80°-90°)	21.0	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 I Short



REPORT NUMBER: P636494

CATALOG NUMBER: IFLD-M-SA4D-935-U-55-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	27631.2	27631.2	27631.2	27631.2	27631.2	27631.2	27631.2	27631.2	27631.2	27631.2
2.5°	27666.4	27715.6	27469.5	27553.9	27589.0	27599.6	27687.5	27673.4	27698.0	27567.9
5°	27300.8	27205.9	27023.1	27026.6	27016.0	26917.6	27118.0	27103.9	27061.7	26907.0
7.5°	26056.3	26193.4	25848.9	25841.9	25834.8	25715.3	25979.0	25817.3	25852.4	25630.9
10°	24235.3	24252.9	23947.1	23918.9	23943.5	23788.9	24094.7	24031.4	24098.2	23866.2
12.5°	22003.0	22101.5	21764.0	21714.8	21813.2	21595.2	21841.3	21873.0	21774.5	21742.9
15°	17257.2	17517.4	18157.2	19134.4	19387.6	19204.8	19401.6	19398.1	19440.3	19201.2
17.5°	13147.7	13172.3	13021.1	13488.7	16195.6	17074.4	17116.6	16782.6	16529.5	16441.6
20°	11477.9	11562.2	11425.1	11463.8	11896.2	14473.0	14571.4	14068.7	13636.3	13601.2
22.5°	10149.0	10201.8	10103.3	10135.0	10156.1	10458.4	12170.4	11727.5	11520.0	11361.8
25°	9024.1	9024.1	8971.4	8981.9	8960.8	8514.4	9393.2	9899.4	9779.9	9723.7
27.5°	7997.6	8011.6	7944.9	7983.5	7726.9	7006.2	6900.8	8394.8	8268.3	8166.3
30°	7023.8	7069.5	7006.2	7027.3	6468.4	5877.8	5575.5	7002.7	7160.9	7132.8
32.5°	5287.2	5494.6	6004.3	6025.4	5266.1	4812.6	4679.0	5621.2	6222.3	6169.6
35°	3276.4	3265.8	3286.9	4299.4	4039.2	3729.9	3779.1	4246.6	4925.1	4900.5
37.5°	2499.5	2496.0	2534.6	2432.7	2647.1	2829.9	2868.6	2868.6	3596.3	3599.8
40°	1894.8	1880.8	1877.2	1715.5	1437.8	2123.3	2060.0	2007.3	2499.5	2552.2
42.5°	1209.3	1251.5	1219.9	1044.1	938.6	1160.1	1293.7	1251.5	1543.3	1581.9
45°	675.0	675.0	646.8	548.4	544.9	587.1	738.2	689.0	791.0	843.7
47.5°	326.9	319.9	351.5	432.4	450.0	435.9	527.3	548.4	597.6	646.8
50°	263.7	263.7	249.6	225.0	372.6	358.6	390.2	418.3	446.5	488.6
52.5°	221.5	221.5	203.9	189.8	214.4	274.2	277.7	330.4	326.9	386.7
55°	112.5	116.0	165.2	165.2	144.1	225.0	228.5	267.2	274.2	323.4
57.5°	10.5	14.1	21.1	101.9	112.5	123.0	172.3	196.9	228.5	249.6
60°	3.5	3.5	7.0	14.1	66.8	84.4	109.0	130.1	158.2	207.4
62.5°	0.0	0.0	3.5	7.0	14.1	52.7	59.8	66.8	94.9	130.1
65°	0.0	0.0	3.5	3.5	7.0	17.6	24.6	42.2	59.8	80.9
67.5°	0.0	0.0	3.5	3.5	7.0	10.5	14.1	21.1	28.1	52.7
70°	0.0	0.0	3.5	3.5	7.0	10.5	10.5	14.1	17.6	24.6
72.5°	0.0	0.0	3.5	3.5	7.0	14.1	10.5	10.5	14.1	17.6
75°	0.0	0.0	3.5	3.5	7.0	10.5	10.5	10.5	10.5	10.5
77.5°	0.0	0.0	3.5	3.5	7.0	10.5	10.5	10.5	7.0	7.0
80°	0.0	0.0	3.5	3.5	7.0	10.5	14.1	14.1	7.0	7.0
82.5°	0.0	0.0	3.5	7.0	7.0	17.6	21.1	17.6	7.0	3.5
85°	0.0	0.0	3.5	3.5	10.5	17.6	17.6	10.5	7.0	3.5
87.5°	0.0	0.0	0.0	3.5	3.5	7.0	10.5	10.5	3.5	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: P636494

CATALOG NUMBER: IFLD-M-SA4D-935-U-55-VI

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
27631.2	0°	27631.2	27631.2	27631.2	27631.2	27631.2	27631.2	27631.2	27631.2	27631.2
27462.5	2.5°	27448.4	27662.9	27761.3	27659.3	27610.1	27539.8	27437.9	27367.6	27381.6
26822.7	5°	26762.9	26987.9	27065.2	26977.4	26903.5	26864.9	26847.3	26882.4	26973.8
25536.0	7.5°	25529.0	25673.1	25757.5	25715.3	25613.4	25729.4	25761.0	25739.9	25873.5
23795.9	10°	23802.9	23961.1	23883.8	23901.4	23781.8	23841.6	23824.0	23901.4	24034.9
21718.3	12.5°	21577.7	21728.8	21669.1	21658.5	21532.0	21644.5	21574.1	21658.5	21834.3
19102.8	15°	19239.9	19334.8	19296.2	19236.4	19123.9	19162.6	19380.5	19366.5	19443.8
16388.9	17.5°	16318.6	16775.6	17025.2	17077.9	16986.5	17063.9	17218.5	17179.9	17355.6
13527.3	20°	13502.7	13963.3	14578.5	15077.6	15088.2	15098.7	15197.2	15221.8	15372.9
11365.4	22.5°	11316.1	11643.1	12304.0	12964.9	13421.9	13516.8	13506.3	13541.4	13583.6
9646.3	25°	9621.7	9860.8	10465.4	10922.4	11723.9	11991.1	12068.4	11991.1	12015.7
8131.2	27.5°	8222.6	8588.2	8788.6	9277.2	10061.1	10679.9	10655.2	10609.5	10616.6
7076.5	30°	7073.0	7466.8	7762.1	7909.7	8500.3	9393.2	9484.6	9354.5	9358.1
6145.0	32.5°	6106.3	6229.3	6665.2	6784.8	7164.4	7976.5	8289.4	8190.9	8173.4
4914.6	35°	5058.7	5125.5	5325.9	5561.4	5786.4	6401.6	6918.4	6827.0	6872.7
3613.9	37.5°	3599.8	3874.0	4067.3	4260.7	4422.4	4809.1	5431.3	5347.0	5392.7
2559.2	40°	2538.1	2661.2	2995.1	3079.5	3318.6	3497.8	4025.2	3997.0	4053.3
1589.0	42.5°	1560.8	1648.7	1817.5	1898.3	2060.0	2162.0	2471.3	2506.5	2580.3
878.9	45°	885.9	924.6	1040.6	1128.5	1248.0	1290.2	1399.1	1448.4	1490.5
682.0	47.5°	675.0	717.1	794.5	871.8	970.3	1005.4	1082.8	1156.6	1195.2
527.3	50°	551.9	590.6	671.4	734.7	833.2	864.8	928.1	1008.9	1058.1
400.8	52.5°	418.3	474.6	573.0	639.8	741.8	780.4	840.2	921.0	966.7
330.4	55°	344.5	386.7	474.6	566.0	660.9	713.6	752.3	850.7	899.9
270.7	57.5°	295.3	326.9	383.2	492.2	573.0	650.4	682.0	773.4	822.6
214.4	60°	225.0	274.2	323.4	407.8	499.2	580.0	615.2	696.1	734.7
154.7	62.5°	186.3	218.0	281.2	326.9	428.9	513.3	548.4	622.2	650.4
101.9	65°	130.1	175.8	235.5	263.7	358.6	439.4	488.6	544.9	573.0
59.8	67.5°	77.3	130.1	186.3	225.0	291.8	372.6	425.4	478.1	502.7
35.2	70°	49.2	101.9	147.6	189.8	228.5	305.8	369.1	414.8	404.3
21.1	72.5°	28.1	63.3	109.0	154.7	189.8	256.6	316.4	351.5	249.6
14.1	75°	17.6	45.7	91.4	126.6	154.7	203.9	260.1	267.2	154.7
7.0	77.5°	14.1	35.2	70.3	101.9	105.5	151.2	182.8	207.4	116.0
7.0	80°	7.0	28.1	59.8	84.4	66.8	105.5	140.6	161.7	91.4
3.5	82.5°	7.0	17.6	45.7	59.8	49.2	80.9	101.9	116.0	77.3
3.5	85°	3.5	14.1	24.6	35.2	35.2	52.7	45.7	56.2	49.2
3.5	87.5°	3.5	7.0	14.1	17.6	14.1	21.1	24.6	24.6	21.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
27631.2
27571.5
27163.7
26007.1
24087.7
21865.9
19461.4
17327.5
15341.3
13506.3
11977.0
10627.1
9361.6
8215.5
6914.8
5431.3
4074.4
2664.7
1487.0
1212.8
1079.2
998.4
914.0
843.7
741.8
653.9
573.0
499.2
372.6
221.5
144.1
116.0
94.9
84.4
49.2
17.6
0.0

(END OF REPORT)