

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: P636452

Luminaire Tested: **IFLD-S-SA3A-930-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636452
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-930-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (48) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7286.4 lumens
Efficiency: N/A
Efficacy: 76.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G0

Input Watts (W): 94.8
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

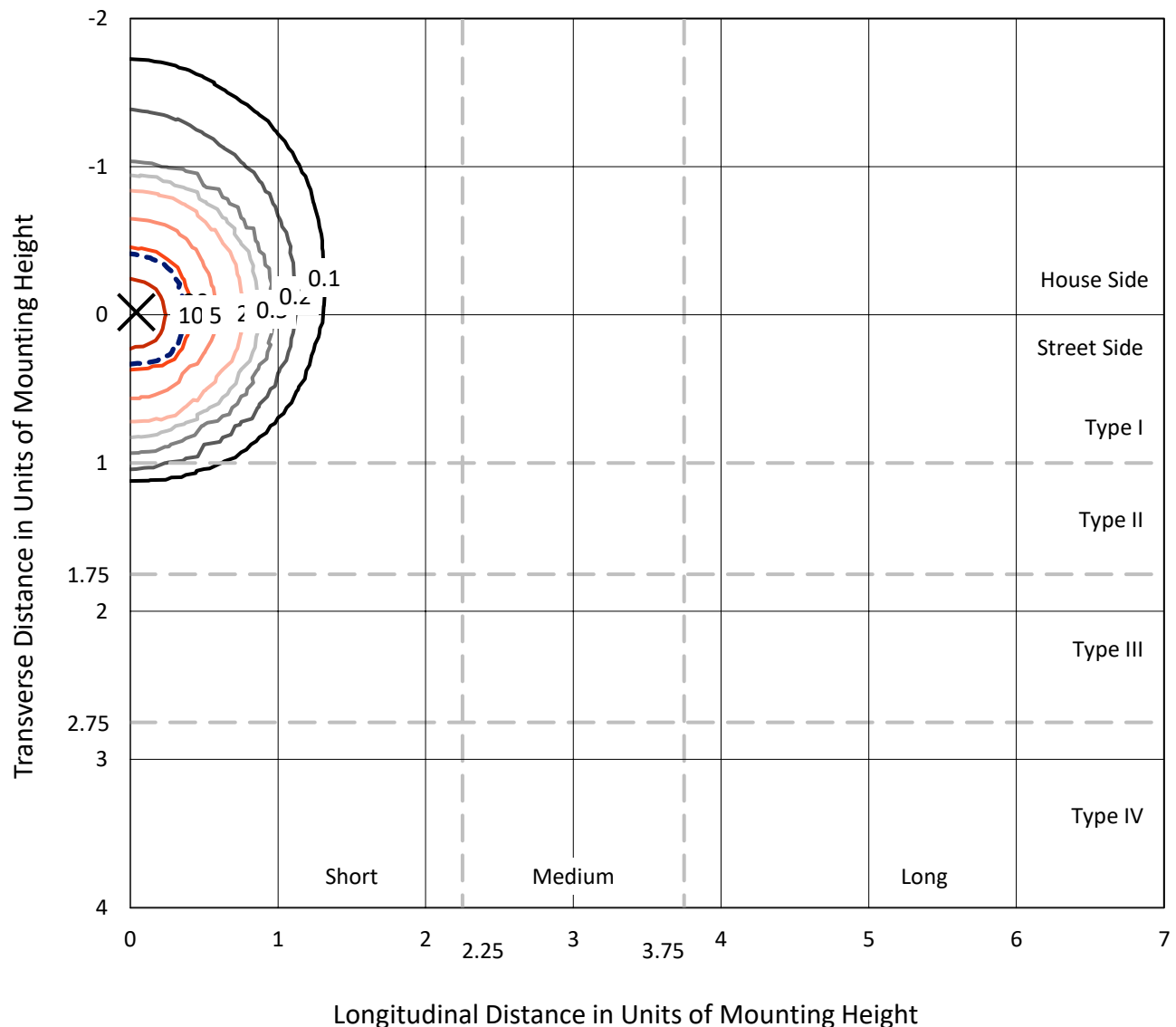


REPORT NUMBER: P636452

CATALOG NUMBER: IFLD-S-SA3A-930-U-55-VI

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

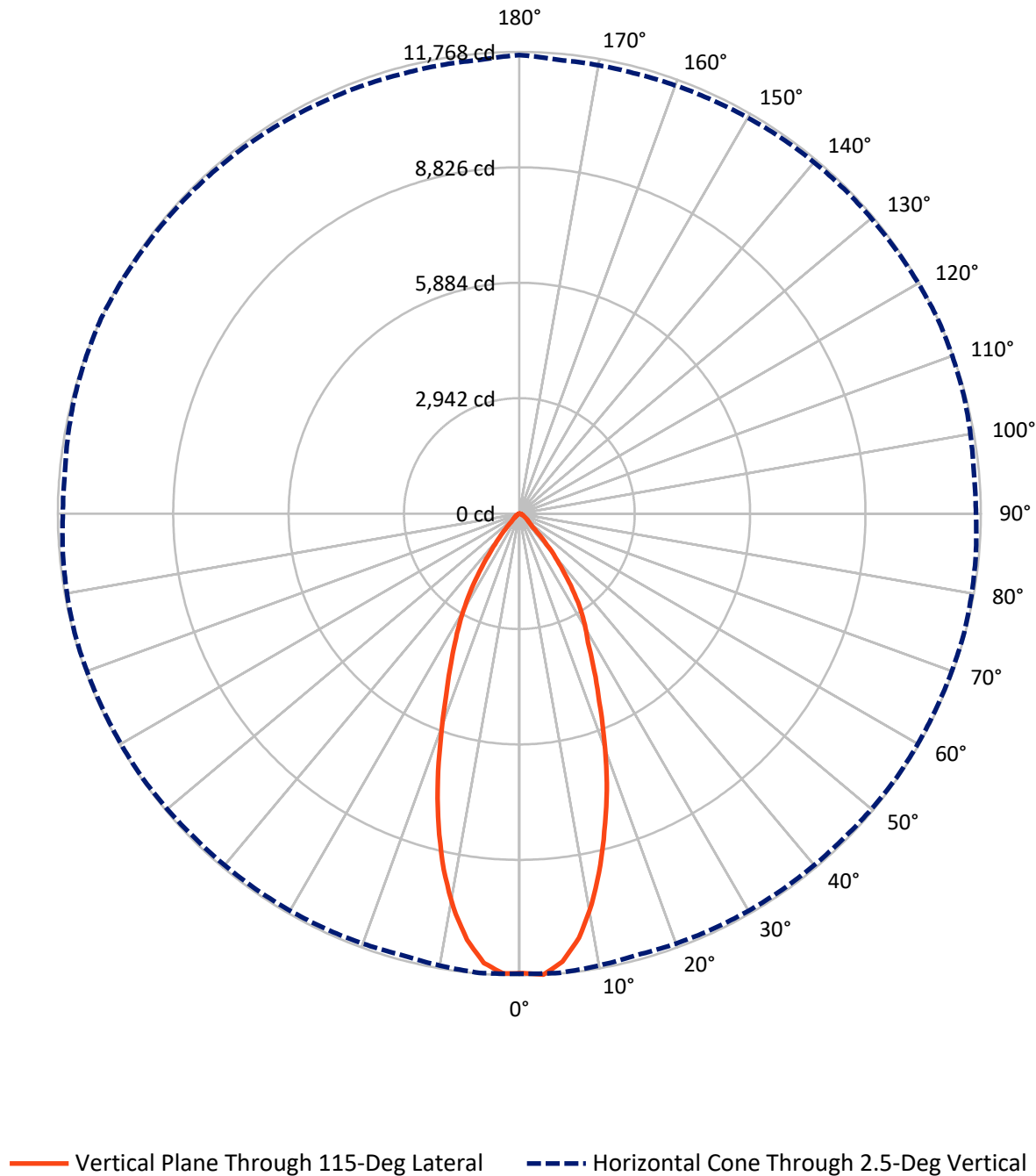


Based on 20 foot mounting height. Maximum calculated value = 29.3 fc

Type I - Short - N/A

REPORT NUMBER: P636452
CATALOG NUMBER: IFLD-S-SA3A-930-U-55-VI

Luminous Intensity Polar Plot



REPORT NUMBER: P636452

CATALOG NUMBER: IFLD-S-SA3A-930-U-55-VI

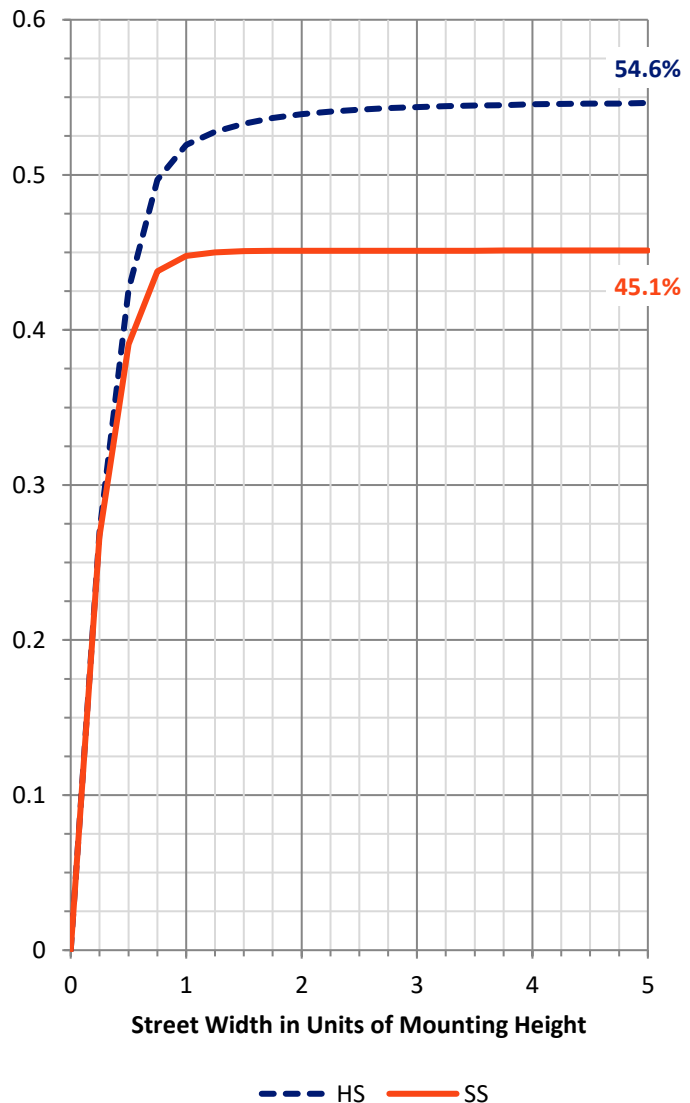
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4021.2	0.0	4021.2
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	3265.2	0.0	3265.2
	% Fixture	44.8	0.0	44.8
Total	Lumens	7286.4	0.0	7286.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1050.6	14.4
10°-20°	2220.3	30.5
20°-30°	2004.0	27.5
30°-40°	1326.1	18.2
40°-50°	397.3	5.5
50°-60°	159.4	2.2
60°-70°	82.5	1.1
70°-80°	35.8	0.5
80°-90°	10.4	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°	7286.4	100.0
0°-180°	7286.4	100.0

Coefficient of Utilization



REPORT NUMBER: P636452

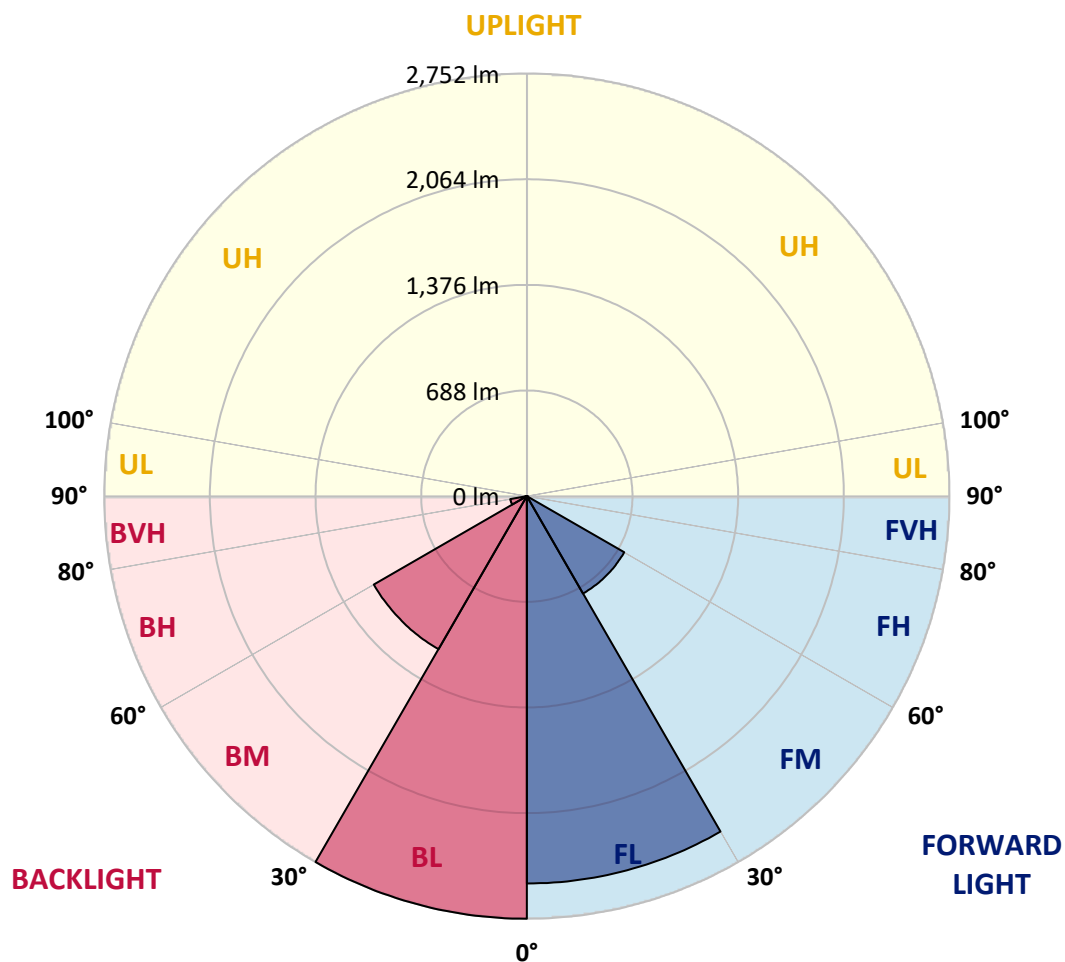
CATALOG NUMBER: IFLD-S-SA3A-930-U-55-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2522.6	34.6			
FM	(30°-60°)	732.0	10.0			
FH	(60°-80°)	9.1	0.1			G0/660
FVH	(80°-90°)	1.5	0.0			G0/10
BL	(0°-30°)	2752.2	37.8	B4/5000		
BM	(30°-60°)	1150.8	15.8	B2/2500		
BH	(60°-80°)	109.3	1.5	B0/110		G0/110
BVH	(80°-90°)	8.9	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0

Type I Short



REPORT NUMBER: P636452

CATALOG NUMBER: IFLD-S-SA3A-930-U-55-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	11712.9	11712.9	11712.9	11712.9	11712.9	11712.9	11712.9	11712.9	11712.9	11712.9
2.5°	11727.8	11748.6	11644.3	11680.1	11695.0	11699.4	11736.7	11730.7	11741.2	11686.0
5°	11572.8	11532.5	11455.0	11456.5	11452.1	11410.3	11495.3	11489.3	11471.4	11405.9
7.5°	11045.2	11103.4	10957.3	10954.3	10951.4	10900.7	11012.5	10943.9	10958.8	10864.9
10°	10273.3	10280.8	10151.1	10139.2	10149.6	10084.1	10213.7	10186.9	10215.2	10116.9
12.5°	9327.1	9368.8	9225.7	9204.9	9246.6	9154.2	9258.5	9271.9	9230.2	9216.8
15°	7315.3	7425.6	7696.8	8111.1	8218.4	8140.9	8224.3	8222.8	8240.7	8139.4
17.5°	5573.3	5583.7	5519.6	5717.8	6865.3	7237.8	7255.7	7114.1	7006.8	6969.6
20°	4865.5	4901.2	4843.1	4859.5	5042.8	6135.1	6176.8	5963.7	5780.4	5765.5
22.5°	4302.2	4324.5	4282.8	4296.2	4305.1	4433.3	5159.0	4971.3	4883.3	4816.3
25°	3825.3	3825.3	3803.0	3807.4	3798.5	3609.2	3981.8	4196.4	4145.7	4121.9
27.5°	3390.2	3396.1	3367.8	3384.2	3275.4	2969.9	2925.2	3558.6	3504.9	3461.7
30°	2977.4	2996.8	2969.9	2978.9	2741.9	2491.6	2363.4	2968.4	3035.5	3023.6
32.5°	2241.2	2329.2	2545.2	2554.2	2232.3	2040.1	1983.4	2382.8	2637.6	2615.3
35°	1388.9	1384.4	1393.3	1822.5	1712.2	1581.1	1601.9	1800.1	2087.7	2077.3
37.5°	1059.5	1058.0	1074.4	1031.2	1122.1	1199.6	1216.0	1216.0	1524.5	1525.9
40°	803.2	797.2	795.8	727.2	609.5	900.1	873.2	850.9	1059.5	1081.9
42.5°	512.6	530.5	517.1	442.6	397.9	491.8	548.4	530.5	654.2	670.6
45°	286.1	286.1	274.2	232.5	231.0	248.9	312.9	292.1	335.3	357.6
47.5°	138.6	135.6	149.0	183.3	190.7	184.8	223.5	232.5	253.3	274.2
50°	111.8	111.8	105.8	95.4	158.0	152.0	165.4	177.3	189.3	207.1
52.5°	93.9	93.9	86.4	80.5	90.9	116.2	117.7	140.1	138.6	163.9
55°	47.7	49.2	70.0	70.0	61.1	95.4	96.9	113.3	116.2	137.1
57.5°	4.5	6.0	8.9	43.2	47.7	52.2	73.0	83.5	96.9	105.8
60°	1.5	1.5	3.0	6.0	28.3	35.8	46.2	55.1	67.1	87.9
62.5°	0.0	0.0	1.5	3.0	6.0	22.4	25.3	28.3	40.2	55.1
65°	0.0	0.0	1.5	1.5	3.0	7.5	10.4	17.9	25.3	34.3
67.5°	0.0	0.0	1.5	1.5	3.0	4.5	6.0	8.9	11.9	22.4
70°	0.0	0.0	1.5	1.5	3.0	4.5	4.5	6.0	7.5	10.4
72.5°	0.0	0.0	1.5	1.5	3.0	6.0	4.5	4.5	6.0	7.5
75°	0.0	0.0	1.5	1.5	3.0	4.5	4.5	4.5	4.5	4.5
77.5°	0.0	0.0	1.5	1.5	3.0	4.5	4.5	4.5	3.0	3.0
80°	0.0	0.0	1.5	1.5	3.0	4.5	6.0	6.0	3.0	3.0
82.5°	0.0	0.0	1.5	3.0	3.0	7.5	8.9	7.5	3.0	1.5
85°	0.0	0.0	1.5	1.5	4.5	7.5	7.5	4.5	3.0	1.5
87.5°	0.0	0.0	0.0	1.5	1.5	3.0	4.5	4.5	1.5	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P636452

CATALOG NUMBER: IFLD-S-SA3A-930-U-55-VI

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
11712.9	0°	11712.9	11712.9	11712.9	11712.9	11712.9	11712.9	11712.9	11712.9	11712.9
11641.3	2.5°	11635.4	11726.3	11768.0	11724.8	11703.9	11674.1	11630.9	11601.1	11607.0
11370.1	5°	11344.8	11440.1	11472.9	11435.7	11404.4	11388.0	11380.5	11395.4	11434.2
10824.7	7.5°	10821.7	10882.8	10918.6	10900.7	10857.5	10906.7	10920.1	10911.1	10967.8
10087.1	10°	10090.0	10157.1	10124.3	10131.8	10081.1	10106.4	10099.0	10131.8	10188.4
9206.4	12.5°	9146.8	9210.8	9185.5	9181.0	9127.4	9175.1	9145.3	9181.0	9255.5
8097.7	15°	8155.8	8196.0	8179.6	8154.3	8106.6	8123.0	8215.4	8209.4	8242.2
6947.2	17.5°	6917.4	7111.2	7217.0	7239.3	7200.6	7233.4	7298.9	7282.5	7357.0
5734.2	20°	5723.8	5919.0	6179.8	6391.4	6395.9	6400.3	6442.1	6452.5	6516.6
4817.8	22.5°	4796.9	4935.5	5215.6	5495.8	5689.5	5729.8	5725.3	5740.2	5758.1
4089.1	25°	4078.6	4180.0	4436.3	4630.0	4969.8	5083.0	5115.8	5083.0	5093.5
3446.8	27.5°	3485.5	3640.5	3725.5	3932.6	4264.9	4527.2	4516.7	4497.4	4500.4
2999.7	30°	2998.3	3165.2	3290.3	3352.9	3603.3	3981.8	4020.5	3965.4	3966.9
2604.8	32.5°	2588.5	2640.6	2825.4	2876.1	3037.0	3381.2	3513.9	3472.1	3464.7
2083.3	35°	2144.4	2172.7	2257.6	2357.5	2452.8	2713.6	2932.7	2893.9	2913.3
1531.9	37.5°	1525.9	1642.2	1724.1	1806.1	1874.7	2038.6	2302.3	2266.6	2285.9
1084.9	40°	1075.9	1128.1	1269.6	1305.4	1406.7	1482.7	1706.3	1694.3	1718.2
673.6	42.5°	661.6	698.9	770.4	804.7	873.2	916.5	1047.6	1062.5	1093.8
372.5	45°	375.5	391.9	441.1	478.3	529.0	546.9	593.1	614.0	631.8
289.1	47.5°	286.1	304.0	336.8	369.6	411.3	426.2	459.0	490.3	506.7
223.5	50°	234.0	250.4	284.6	311.4	353.2	366.6	393.4	427.7	448.5
169.9	52.5°	177.3	201.2	242.9	271.2	314.4	330.8	356.2	390.4	409.8
140.1	55°	146.0	163.9	201.2	239.9	280.2	302.5	318.9	360.6	381.5
114.7	57.5°	125.2	138.6	162.4	208.6	242.9	275.7	289.1	327.8	348.7
90.9	60°	95.4	116.2	137.1	172.9	211.6	245.9	260.8	295.1	311.4
65.6	62.5°	79.0	92.4	119.2	138.6	181.8	217.6	232.5	263.8	275.7
43.2	65°	55.1	74.5	99.8	111.8	152.0	186.3	207.1	231.0	242.9
25.3	67.5°	32.8	55.1	79.0	95.4	123.7	158.0	180.3	202.7	213.1
14.9	70°	20.9	43.2	62.6	80.5	96.9	129.6	156.5	175.8	171.4
8.9	72.5°	11.9	26.8	46.2	65.6	80.5	108.8	134.1	149.0	105.8
6.0	75°	7.5	19.4	38.7	53.6	65.6	86.4	110.3	113.3	65.6
3.0	77.5°	6.0	14.9	29.8	43.2	44.7	64.1	77.5	87.9	49.2
3.0	80°	3.0	11.9	25.3	35.8	28.3	44.7	59.6	68.5	38.7
1.5	82.5°	3.0	7.5	19.4	25.3	20.9	34.3	43.2	49.2	32.8
1.5	85°	1.5	6.0	10.4	14.9	14.9	22.4	19.4	23.8	20.9
1.5	87.5°	1.5	3.0	6.0	7.5	6.0	8.9	10.4	10.4	8.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
11712.9
11687.5
11514.7
11024.4
10210.7
9268.9
8249.7
7345.1
6503.2
5725.3
5077.1
4504.8
3968.4
3482.6
2931.2
2302.3
1727.1
1129.6
630.3
514.1
457.5
423.2
387.4
357.6
314.4
277.2
242.9
211.6
158.0
93.9
61.1
49.2
40.2
35.8
20.9
7.5
0.0

(END OF REPORT)