

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: P637637

Luminaire Tested: **IFLD-S-SA2B-740-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637637
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-740-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10725.2 lumens
Efficiency: N/A
Efficacy: 130.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 82.4
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



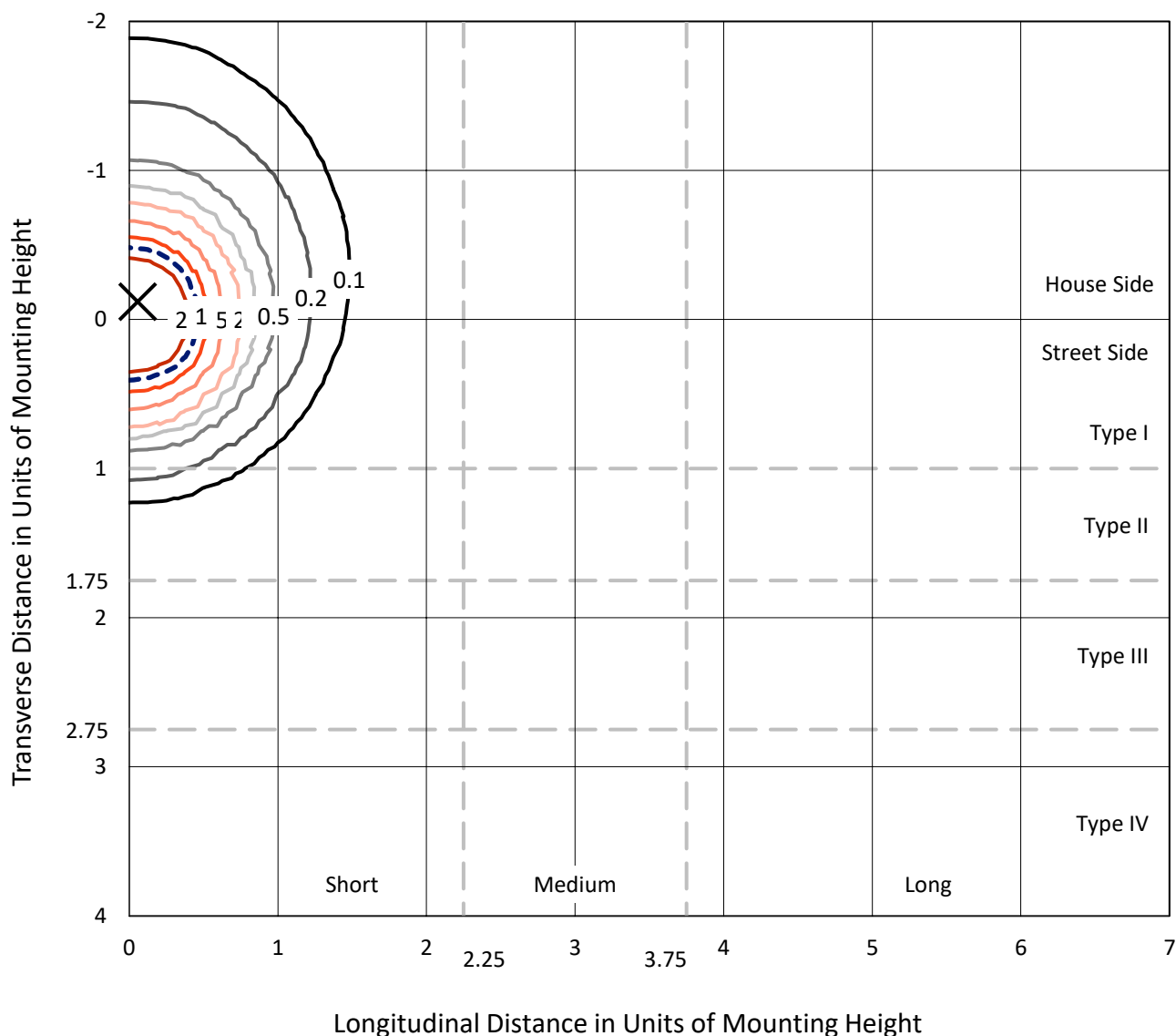
REPORT NUMBER: P637637

CATALOG NUMBER: IFLD-S-SA2B-740-U-55-VI

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

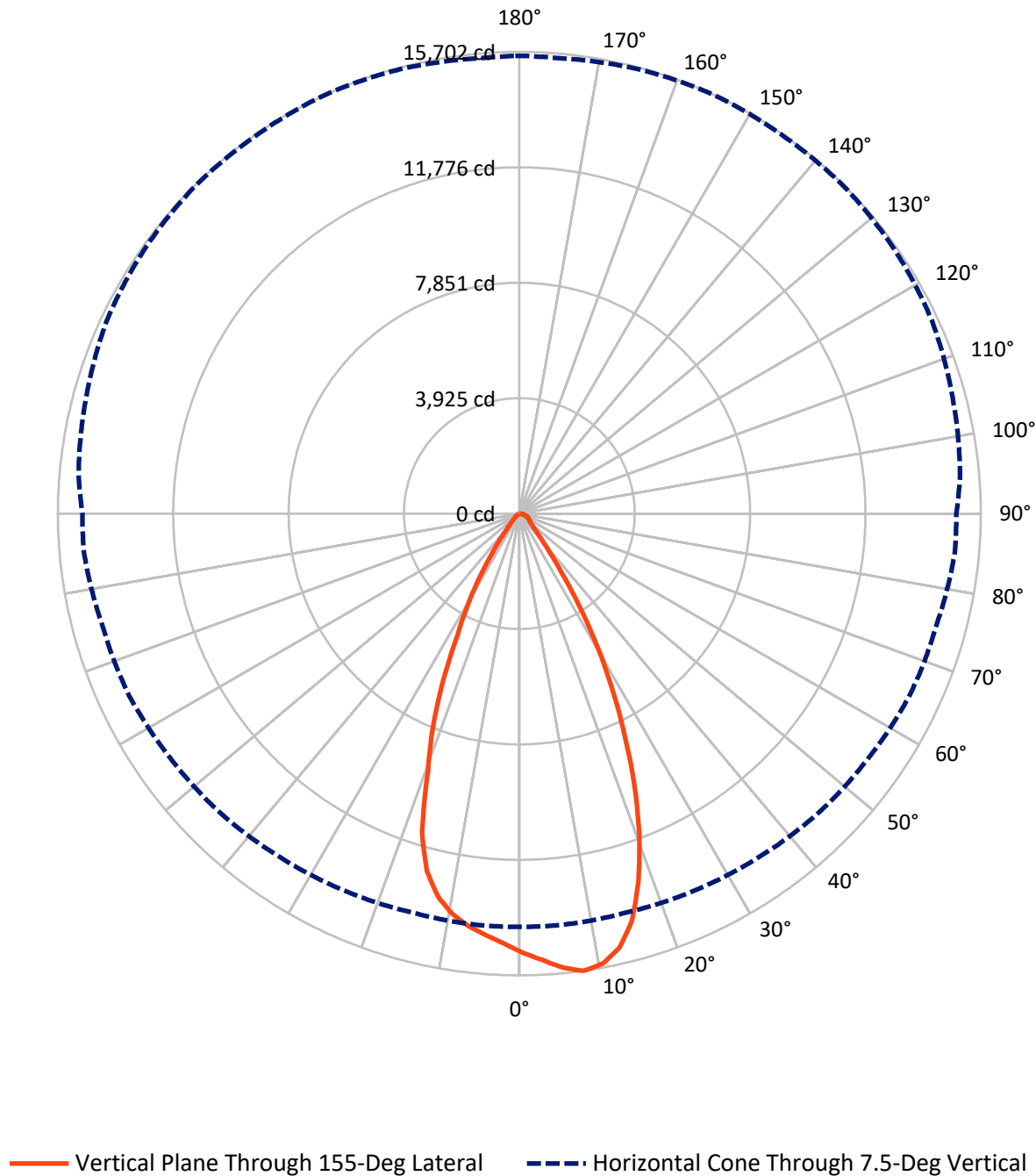


Based on 20 foot mounting height. Maximum calculated value = 38 fc

Type I - Short - N/A

REPORT NUMBER: P637637
CATALOG NUMBER: IFLD-S-SA2B-740-U-55-VI

Luminous Intensity Polar Plot



REPORT NUMBER: P637637

CATALOG NUMBER: IFLD-S-SA2B-740-U-55-VI

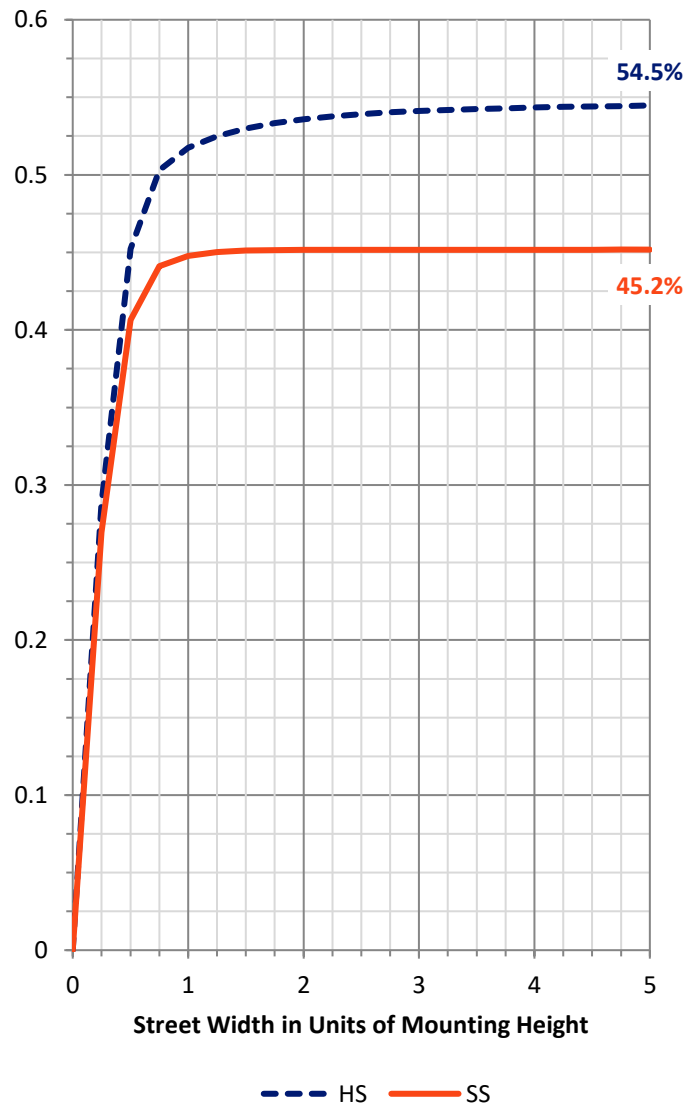
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5920.7	0.0	5920.7
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	4804.5	0.0	4804.5
	% Fixture	44.8	0.0	44.8
Total	Lumens	10725.2	0.0	10725.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1424.7	13.3
10°-20°	3694.3	34.4
20°-30°	3385.0	31.6
30°-40°	1367.6	12.8
40°-50°	401.2	3.7
50°-60°	224.3	2.1
60°-70°	136.2	1.3
70°-80°	69.2	0.6
80°-90°	22.6	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°	10725.2	100.0
0°-180°	10725.2	100.0

Coefficient of Utilization



REPORT NUMBER: P637637

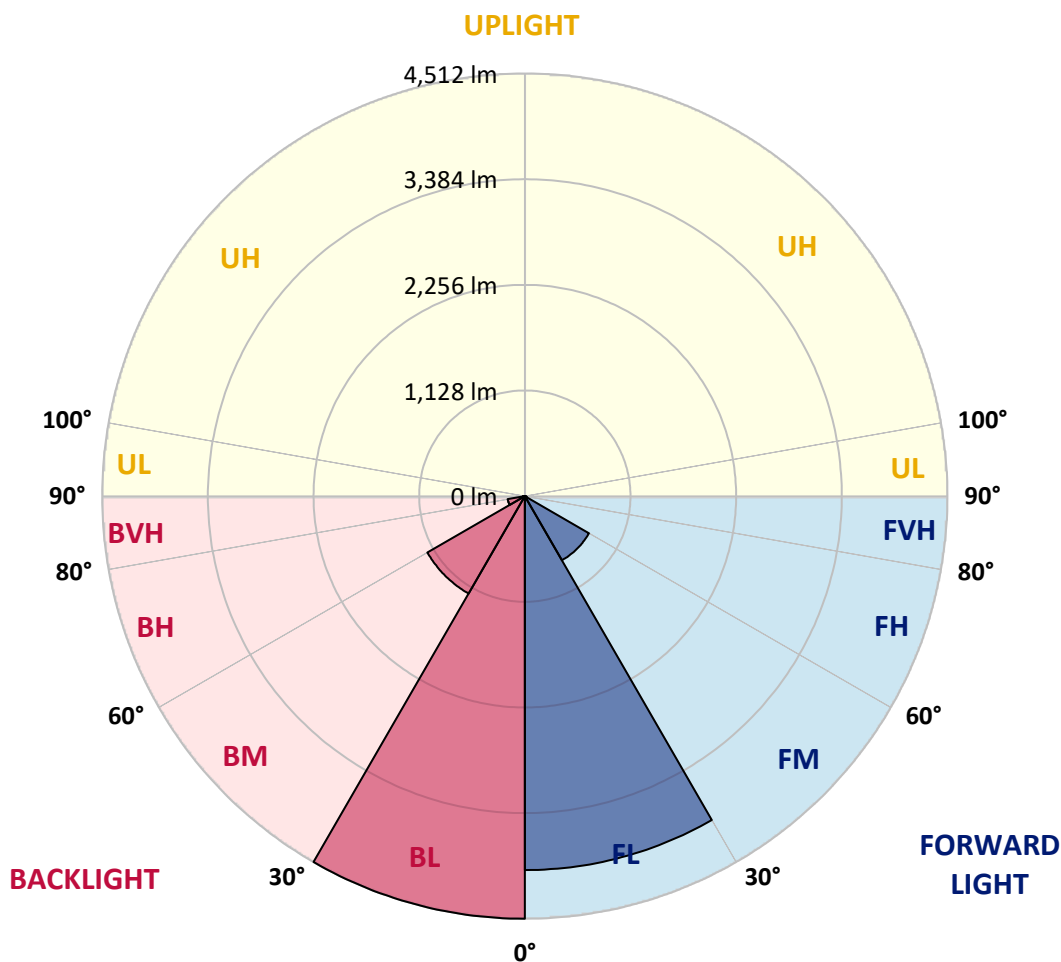
CATALOG NUMBER: IFLD-S-SA2B-740-U-55-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3992.2	37.2			
FM	(30°-60°)	791.2	7.4			
FH	(60°-80°)	19.2	0.2			G0/660
FVH	(80°-90°)	2.0	0.0			G0/10
BL	(0°-30°)	4511.9	42.1	B4/5000		
BM	(30°-60°)	1201.9	11.2	B2/2500		
BH	(60°-80°)	186.3	1.7	B1/500		G1/500
BVH	(80°-90°)	20.7	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type I Short



REPORT NUMBER: P637637

CATALOG NUMBER: IFLD-S-SA2B-740-U-55-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	14941.0	14941.0	14941.0	14941.0	14941.0	14941.0	14941.0	14941.0	14941.0	14941.0
2.5°	14617.0	14666.5	14567.5	14633.1	14683.8	14805.0	14814.9	14856.9	14871.8	14981.8
5°	14340.0	14378.3	14297.9	14385.7	14457.5	14565.0	14647.9	14764.2	14828.5	14958.3
7.5°	14051.8	14060.5	14044.4	14137.1	14244.7	14393.1	14495.8	14647.9	14687.5	14873.0
10°	13703.0	13640.0	13670.9	13806.9	13967.7	14195.3	14265.8	14417.9	14488.4	14677.6
12.5°	13146.5	13178.7	13140.3	13313.5	13447.0	13705.5	13779.7	13933.1	14067.9	14234.8
15°	12362.4	12343.9	12421.8	12556.6	12701.3	12906.6	13026.5	13193.5	13296.2	13469.3
17.5°	10600.1	10663.1	10984.7	11322.3	11619.1	11859.1	12002.5	12141.0	12215.2	12403.2
20°	9154.3	9075.2	9118.5	9308.9	10153.6	10520.9	10671.8	10705.2	10736.1	10884.5
22.5°	7537.9	7511.9	7656.6	7870.6	8070.9	8918.1	9123.4	9045.5	9109.8	9249.6
25°	5597.5	5728.6	5857.2	6267.8	6527.5	6943.0	7332.6	7367.2	7390.7	7478.5
27.5°	4556.1	4510.4	4507.9	4622.9	5006.3	5352.6	5684.0	5760.7	5747.1	5831.2
30°	3581.6	3566.7	3514.8	3542.0	3503.7	3811.6	3967.5	4282.8	4265.5	4268.0
32.5°	2583.5	2527.9	2506.9	2547.7	2508.1	2479.7	2615.7	2971.9	2965.7	2990.4
35°	1563.2	1555.8	1573.1	1609.0	1529.8	1527.4	1555.8	1891.0	1931.8	1971.4
37.5°	863.2	855.8	869.4	1001.8	975.8	952.3	959.7	1136.6	1254.1	1283.7
40°	568.9	567.7	577.6	601.1	645.6	636.9	640.6	719.8	831.1	857.1
42.5°	380.9	382.2	388.3	415.5	421.7	466.2	458.8	477.4	581.3	603.5
45°	304.2	303.0	306.7	294.3	301.8	347.5	352.5	353.7	442.8	456.4
47.5°	239.9	239.9	243.6	227.6	223.8	252.3	278.3	282.0	353.7	372.3
50°	168.2	168.2	186.7	179.3	188.0	196.6	225.1	228.8	289.4	309.2
52.5°	123.7	126.1	128.6	129.9	158.3	157.1	181.8	199.1	218.9	253.5
55°	94.0	96.5	90.3	96.5	117.5	131.1	136.0	160.8	174.4	212.7
57.5°	61.8	68.0	63.1	74.2	79.2	101.4	108.8	132.3	141.0	174.4
60°	8.7	9.9	16.1	51.9	55.7	66.8	84.1	105.1	113.8	142.2
62.5°	1.2	1.2	3.7	8.7	37.1	44.5	63.1	73.0	84.1	106.4
65°	0.0	0.0	1.2	2.5	7.4	26.0	32.2	39.6	58.1	76.7
67.5°	0.0	0.0	1.2	2.5	3.7	8.7	13.6	26.0	33.4	53.2
70°	0.0	0.0	1.2	2.5	3.7	4.9	7.4	9.9	19.8	30.9
72.5°	0.0	0.0	1.2	2.5	3.7	4.9	6.2	7.4	8.7	19.8
75°	0.0	0.0	1.2	2.5	3.7	6.2	7.4	7.4	7.4	8.7
77.5°	0.0	0.0	1.2	2.5	4.9	7.4	8.7	7.4	6.2	6.2
80°	0.0	0.0	1.2	3.7	6.2	8.7	9.9	7.4	4.9	3.7
82.5°	0.0	0.0	1.2	3.7	6.2	8.7	9.9	8.7	4.9	3.7
85°	0.0	0.0	1.2	3.7	4.9	6.2	9.9	8.7	4.9	2.5
87.5°	0.0	0.0	0.0	1.2	1.2	2.5	4.9	3.7	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

REPORT NUMBER: P637637

CATALOG NUMBER: IFLD-S-SA2B-740-U-55-VI

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
14941.0	0°	14941.0	14941.0	14941.0	14941.0	14941.0	14941.0	14941.0	14941.0	14941.0
14979.4	2.5°	15090.7	15146.3	15244.0	15271.2	15355.3	15258.9	15205.7	15210.6	15095.6
14942.3	5°	15090.7	15218.0	15388.7	15470.3	15532.2	15527.2	15513.6	15479.0	15394.9
14868.0	7.5°	15051.1	15258.9	15493.8	15602.7	15676.9	15670.7	15701.6	15646.0	15543.3
14735.7	10°	14923.7	15104.3	15393.7	15482.7	15602.7	15605.1	15566.8	15577.9	15394.9
14252.2	12.5°	14523.0	14664.0	14917.5	15018.9	15164.9	15188.4	15146.3	15130.2	14957.1
13459.4	15°	13747.6	13829.2	14084.0	14185.4	14330.1	14310.3	14352.3	14335.0	14182.9
12388.4	17.5°	12613.5	12639.4	12906.6	12991.9	13128.0	13181.1	13118.1	13198.5	13067.4
10910.5	20°	10987.2	11126.9	11427.4	11558.5	11637.7	11732.9	11650.1	11740.3	11587.0
9117.2	22.5°	9337.4	9420.2	9692.3	9881.5	10028.7	10047.2	10016.3	10079.4	9872.9
7536.7	25°	7535.4	7672.7	7887.9	8135.3	8280.0	8369.0	8288.6	8329.4	8296.0
5844.8	27.5°	5943.8	6066.2	6228.2	6412.5	6630.1	6746.4	6682.1	6751.3	6588.1
4358.3	30°	4362.0	4423.8	4606.8	4802.2	5040.9	5181.9	5188.1	5258.6	5162.1
3053.5	32.5°	3075.8	3130.2	3242.7	3372.6	3600.1	3757.2	3732.5	3742.4	3683.0
1989.9	35°	1999.8	2072.8	2153.2	2215.0	2352.3	2525.4	2511.8	2499.4	2458.6
1308.5	37.5°	1336.9	1365.4	1409.9	1465.5	1554.6	1663.4	1699.3	1654.8	1637.4
883.0	40°	904.1	953.5	983.2	1025.3	1067.3	1158.8	1183.6	1174.9	1157.6
618.4	42.5°	641.9	680.2	717.3	758.1	780.4	837.3	885.5	871.9	864.5
470.0	45°	487.3	521.9	565.2	596.1	618.4	651.8	697.5	702.5	691.3
377.2	47.5°	390.8	421.7	456.4	494.7	520.7	541.7	581.3	596.1	588.7
317.8	50°	331.4	354.9	388.3	426.7	455.1	473.7	508.3	524.4	519.4
265.9	52.5°	282.0	310.4	341.3	373.5	408.1	426.7	458.8	482.3	478.6
220.1	55°	233.7	270.8	303.0	335.2	374.7	393.3	421.7	452.6	446.5
186.7	57.5°	204.1	235.0	268.4	299.3	341.3	366.1	392.0	424.2	423.0
153.4	60°	170.7	201.6	238.7	264.7	309.2	343.8	367.3	400.7	403.2
116.3	62.5°	136.0	174.4	202.8	238.7	279.5	320.3	342.6	376.0	388.3
89.0	65°	101.4	143.5	175.6	211.5	249.8	295.6	315.4	348.8	361.1
64.3	67.5°	75.4	107.6	148.4	179.3	222.6	262.2	285.7	316.6	325.3
38.3	70°	56.9	82.9	123.7	150.9	195.4	227.6	251.1	274.6	285.7
26.0	72.5°	33.4	61.8	97.7	129.9	168.2	195.4	212.7	231.3	238.7
12.4	75°	23.5	47.0	76.7	107.6	136.0	158.3	174.4	190.5	197.9
6.2	77.5°	12.4	34.6	60.6	86.6	106.4	124.9	141.0	153.4	158.3
4.9	80°	7.4	24.7	49.5	68.0	81.6	97.7	113.8	122.4	121.2
3.7	82.5°	4.9	19.8	35.9	49.5	59.4	71.7	82.9	89.0	89.0
2.5	85°	3.7	13.6	24.7	38.3	39.6	49.5	51.9	58.1	59.4
2.5	87.5°	2.5	8.7	13.6	22.3	21.0	26.0	27.2	30.9	33.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
14941.0
15002.9
15422.1
15566.8
15341.7
14917.5
14231.1
13035.2
11574.6
9844.4
8275.0
6630.1
5179.5
3716.4
2422.8
1633.7
1160.1
858.3
690.1
585.0
518.2
476.1
446.5
421.7
403.2
387.1
359.9
325.3
283.2
236.2
195.4
157.1
120.0
87.8
58.1
32.2
0.0

(END OF REPORT)