

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: P636476

Luminaire Tested: **IFLD-S-SA2A-935-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636476
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2A-935-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (32) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5072.6 lumens
Efficiency: N/A
Efficacy: 79.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G0

Input Watts (W): 63.8
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



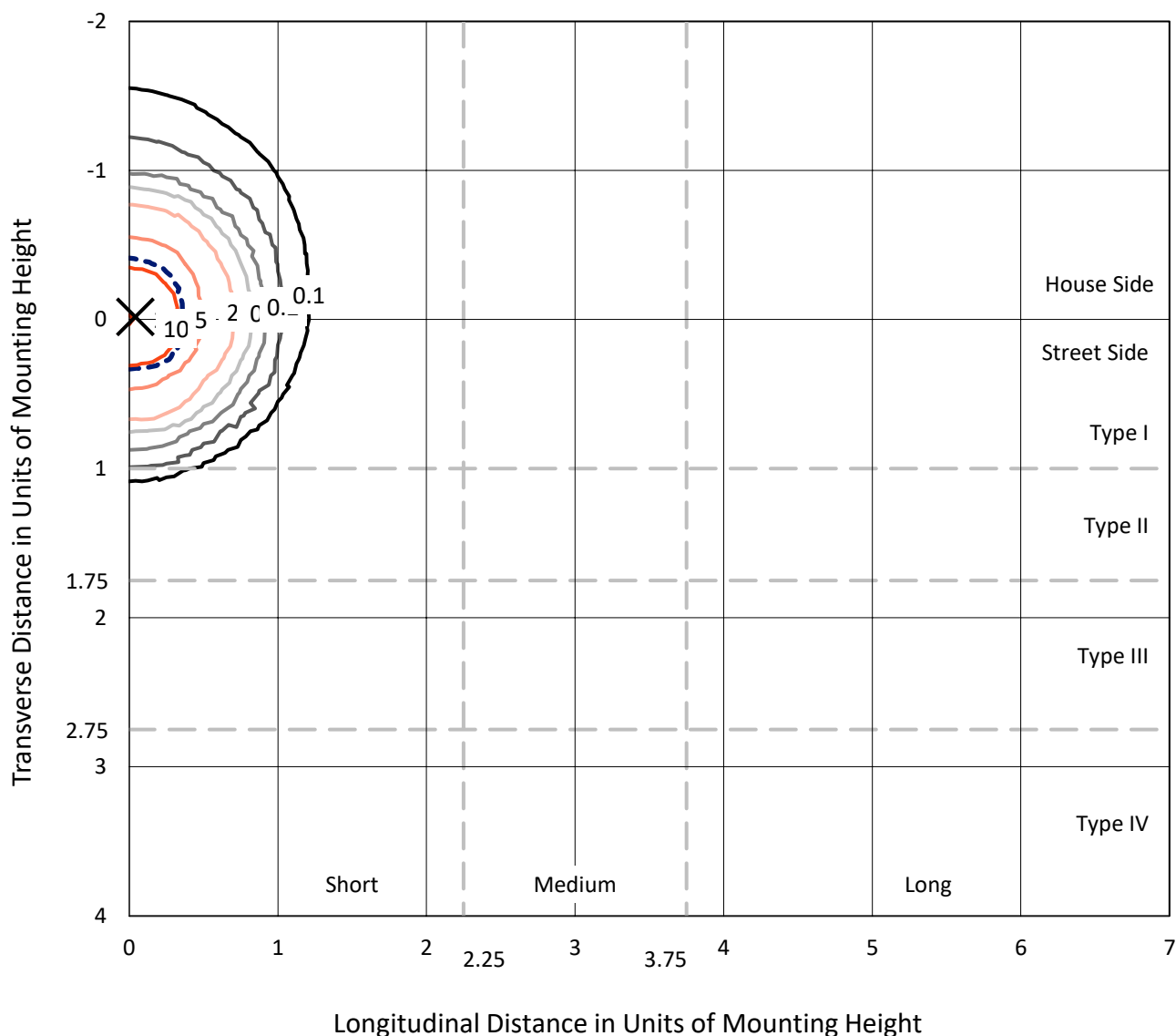
REPORT NUMBER: P636476

CATALOG NUMBER: IFLD-S-SA2A-935-U-55-VI

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

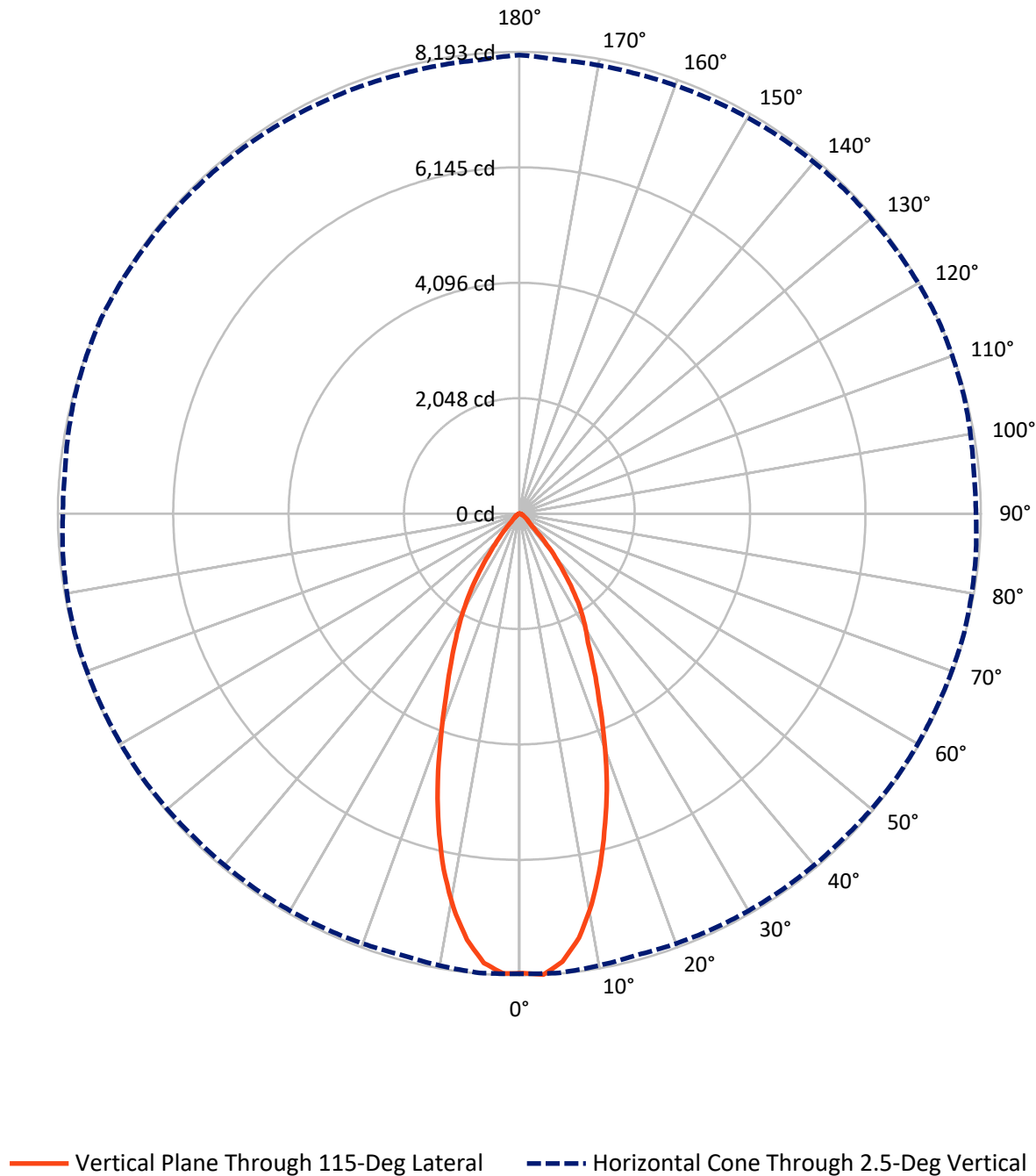


Based on 20 foot mounting height. Maximum calculated value = 20.4 fc

Type I - Short - N/A

REPORT NUMBER: P636476
CATALOG NUMBER: IFLD-S-SA2A-935-U-55-VI

Luminous Intensity Polar Plot



REPORT NUMBER: P636476

CATALOG NUMBER: IFLD-S-SA2A-935-U-55-VI

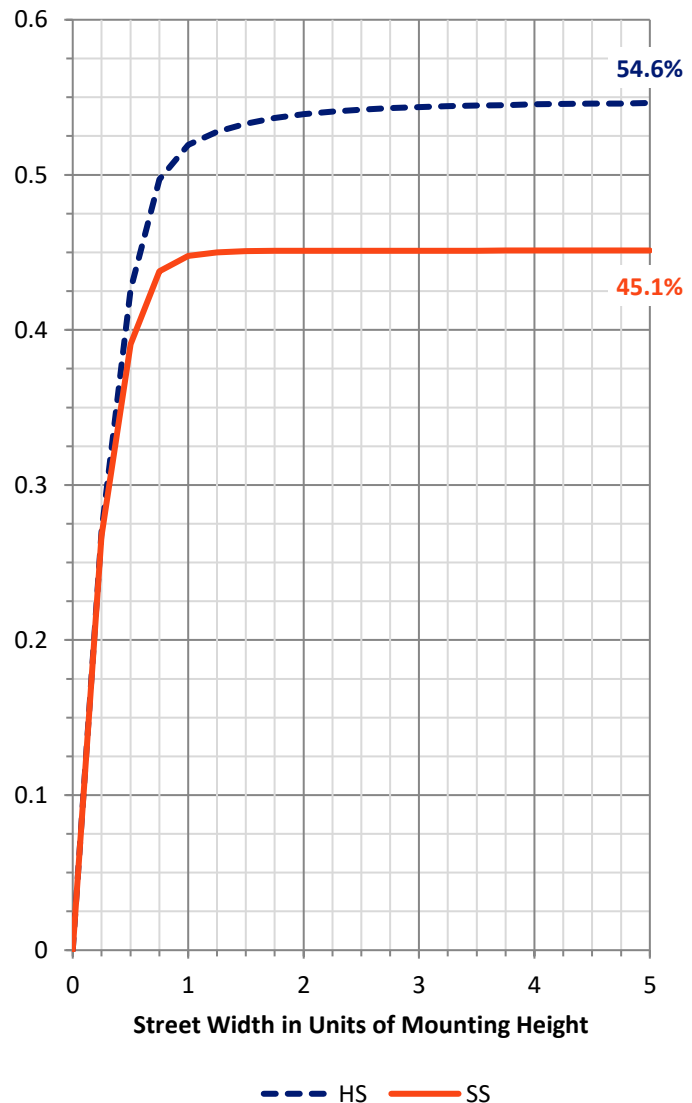
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2799.5	0.0	2799.5
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	2273.1	0.0	2273.1
	% Fixture	44.8	0.0	44.8
Total	Lumens	5072.6	0.0	5072.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	731.4	14.4
10°-20°	1545.7	30.5
20°-30°	1395.1	27.5
30°-40°	923.2	18.2
40°-50°	276.6	5.5
50°-60°	110.9	2.2
60°-70°	57.4	1.1
70°-80°	24.9	0.5
80°-90°	7.2	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°	5072.6	100.0
0°-180°	5072.6	100.0

Coefficient of Utilization



REPORT NUMBER: P636476

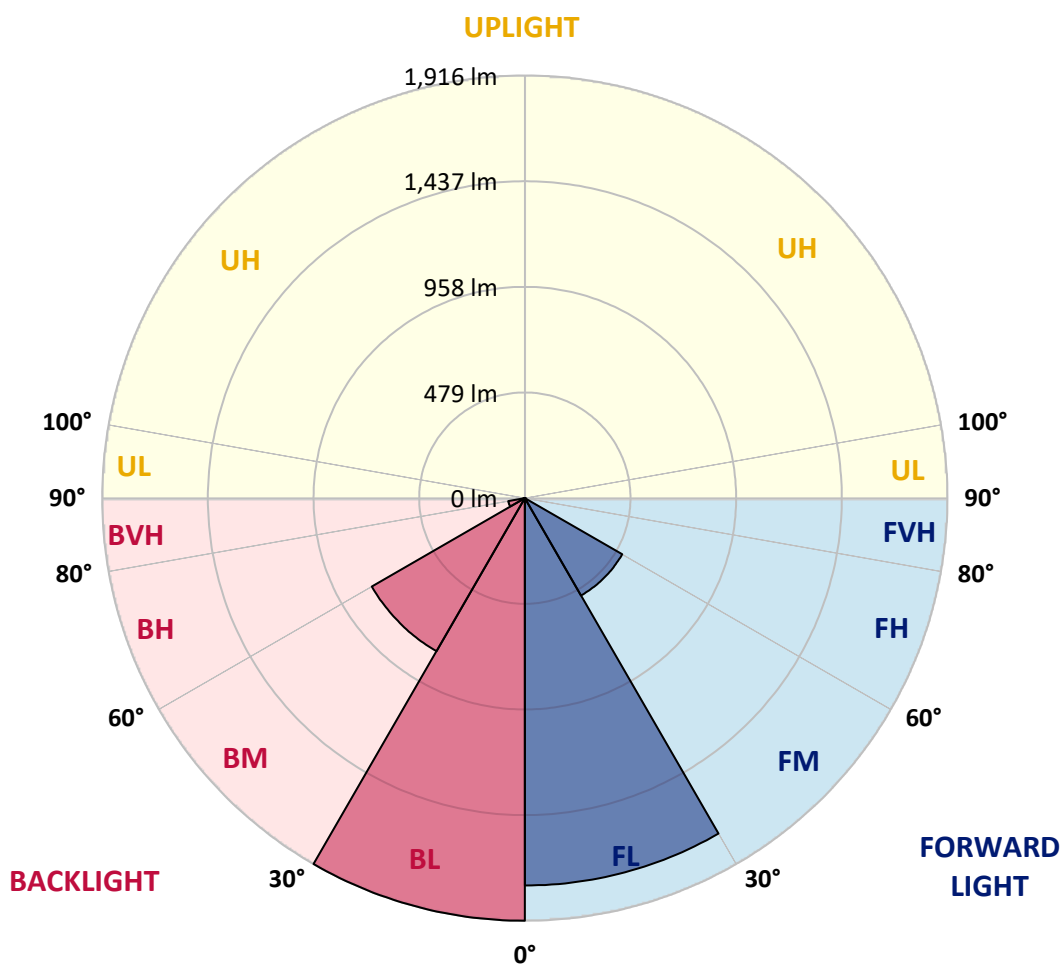
CATALOG NUMBER: IFLD-S-SA2A-935-U-55-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1756.2	34.6			
FM	(30°-60°)	509.6	10.0			
FH	(60°-80°)	6.3	0.1			G0/660
FVH	(80°-90°)	1.0	0.0			G0/10
BL	(0°-30°)	1916.1	37.8	B3/2500		
BM	(30°-60°)	801.1	15.8	B1/1000		
BH	(60°-80°)	76.1	1.5	B0/110		G0/110
BVH	(80°-90°)	6.2	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type I Short



REPORT NUMBER: P636476

CATALOG NUMBER: IFLD-S-SA2A-935-U-55-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8154.3	8154.3	8154.3	8154.3	8154.3	8154.3	8154.3	8154.3	8154.3	8154.3
2.5°	8164.6	8179.2	8106.5	8131.4	8141.8	8144.9	8170.9	8166.7	8174.0	8135.6
5°	8056.7	8028.7	7974.8	7975.8	7972.7	7943.7	8002.8	7998.7	7986.2	7940.6
7.5°	7689.5	7730.0	7628.3	7626.2	7624.1	7588.9	7666.7	7618.9	7629.3	7564.0
10°	7152.1	7157.3	7067.0	7058.7	7066.0	7020.3	7110.6	7091.9	7111.6	7043.2
12.5°	6493.3	6522.4	6422.8	6408.3	6437.3	6373.0	6445.6	6454.9	6425.9	6416.6
15°	5092.8	5169.6	5358.4	5646.8	5721.5	5667.5	5725.6	5724.6	5737.0	5666.5
17.5°	3880.0	3887.3	3842.7	3980.7	4779.5	5038.8	5051.3	4952.7	4878.0	4852.1
20°	3387.2	3412.1	3371.7	3383.1	3510.7	4271.1	4300.2	4151.8	4024.2	4013.8
22.5°	2995.1	3010.6	2981.6	2990.9	2997.2	3086.4	3591.6	3460.9	3399.7	3353.0
25°	2663.1	2663.1	2647.5	2650.7	2644.4	2512.7	2772.0	2921.4	2886.2	2869.6
27.5°	2360.2	2364.3	2344.6	2356.0	2280.3	2067.6	2036.5	2477.4	2440.1	2410.0
30°	2072.8	2086.3	2067.6	2073.8	1908.9	1734.6	1645.4	2066.6	2113.3	2105.0
32.5°	1560.3	1621.5	1771.9	1778.2	1554.1	1420.3	1380.8	1658.9	1836.3	1820.7
35°	966.9	963.8	970.0	1268.8	1192.0	1100.7	1115.2	1253.2	1453.5	1446.2
37.5°	737.6	736.6	748.0	717.9	781.2	835.1	846.5	846.5	1061.3	1062.3
40°	559.2	555.0	554.0	506.3	424.3	626.6	607.9	592.4	737.6	753.2
42.5°	356.9	369.3	360.0	308.1	277.0	342.4	381.8	369.3	455.4	466.8
45°	199.2	199.2	190.9	161.8	160.8	173.3	217.9	203.3	233.4	249.0
47.5°	96.5	94.4	103.7	127.6	132.8	128.6	155.6	161.8	176.4	190.9
50°	77.8	77.8	73.7	66.4	110.0	105.8	115.2	123.5	131.8	144.2
52.5°	65.4	65.4	60.2	56.0	63.3	80.9	82.0	97.5	96.5	114.1
55°	33.2	34.2	48.8	48.8	42.5	66.4	67.4	78.8	80.9	95.4
57.5°	3.1	4.1	6.2	30.1	33.2	36.3	50.8	58.1	67.4	73.7
60°	1.0	1.0	2.1	4.1	19.7	24.9	32.2	38.4	46.7	61.2
62.5°	0.0	0.0	1.0	2.1	4.1	15.6	17.6	19.7	28.0	38.4
65°	0.0	0.0	1.0	1.0	2.1	5.2	7.3	12.4	17.6	23.9
67.5°	0.0	0.0	1.0	1.0	2.1	3.1	4.1	6.2	8.3	15.6
70°	0.0	0.0	1.0	1.0	2.1	3.1	3.1	4.1	5.2	7.3
72.5°	0.0	0.0	1.0	1.0	2.1	4.1	3.1	3.1	4.1	5.2
75°	0.0	0.0	1.0	1.0	2.1	3.1	3.1	3.1	3.1	3.1
77.5°	0.0	0.0	1.0	1.0	2.1	3.1	3.1	3.1	2.1	2.1
80°	0.0	0.0	1.0	1.0	2.1	3.1	4.1	4.1	2.1	2.1
82.5°	0.0	0.0	1.0	2.1	2.1	5.2	6.2	5.2	2.1	1.0
85°	0.0	0.0	1.0	1.0	3.1	5.2	5.2	3.1	2.1	1.0
87.5°	0.0	0.0	0.0	1.0	1.0	2.1	3.1	3.1	1.0	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P636476

CATALOG NUMBER: IFLD-S-SA2A-935-U-55-VI

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
8154.3	0°	8154.3	8154.3	8154.3	8154.3	8154.3	8154.3	8154.3	8154.3	8154.3
8104.5	2.5°	8100.3	8163.6	8192.7	8162.6	8148.0	8127.3	8097.2	8076.5	8080.6
7915.7	5°	7898.0	7964.4	7987.2	7961.3	7939.5	7928.1	7922.9	7933.3	7960.3
7536.0	7.5°	7533.9	7576.4	7601.3	7588.9	7558.8	7593.0	7602.3	7596.1	7635.5
7022.4	10°	7024.5	7071.2	7048.4	7053.5	7018.3	7035.9	7030.7	7053.5	7093.0
6409.3	12.5°	6367.8	6412.4	6394.8	6391.7	6354.3	6387.5	6366.8	6391.7	6443.5
5637.4	15°	5677.9	5705.9	5694.5	5676.9	5643.7	5655.1	5719.4	5715.2	5738.1
4836.5	17.5°	4815.8	4950.7	5024.3	5039.9	5012.9	5035.7	5081.4	5070.0	5121.8
3992.1	20°	3984.8	4120.7	4302.3	4449.6	4452.7	4455.8	4484.8	4492.1	4536.7
3354.0	22.5°	3339.5	3436.0	3631.0	3826.1	3960.9	3989.0	3985.8	3996.2	4008.7
2846.7	25°	2839.5	2910.0	3088.5	3223.3	3459.9	3538.7	3561.5	3538.7	3546.0
2399.6	27.5°	2426.6	2534.5	2593.6	2737.8	2969.1	3151.7	3144.5	3131.0	3133.1
2088.4	30°	2087.3	2203.5	2290.7	2334.2	2508.5	2772.0	2799.0	2760.6	2761.7
1813.4	32.5°	1802.0	1838.3	1967.0	2002.3	2114.3	2353.9	2446.3	2417.2	2412.0
1450.3	35°	1492.9	1512.6	1571.7	1641.2	1707.6	1889.2	2041.7	2014.7	2028.2
1066.5	37.5°	1062.3	1143.3	1200.3	1257.4	1305.1	1419.2	1602.8	1577.9	1591.4
755.3	40°	749.0	785.3	883.9	908.8	979.3	1032.3	1187.9	1179.6	1196.2
468.9	42.5°	460.6	486.6	536.4	560.2	607.9	638.0	729.3	739.7	761.5
259.4	45°	261.4	272.8	307.1	333.0	368.3	380.7	412.9	427.4	439.9
201.3	47.5°	199.2	211.6	234.5	257.3	286.3	296.7	319.5	341.3	352.7
155.6	50°	162.9	174.3	198.2	216.8	245.9	255.2	273.9	297.7	312.3
118.3	52.5°	123.5	140.1	169.1	188.8	218.9	230.3	247.9	271.8	285.3
97.5	55°	101.7	114.1	140.1	167.0	195.0	210.6	222.0	251.1	265.6
79.9	57.5°	87.1	96.5	113.1	145.2	169.1	191.9	201.3	228.2	242.8
63.3	60°	66.4	80.9	95.4	120.3	147.3	171.2	181.6	205.4	216.8
45.6	62.5°	55.0	64.3	83.0	96.5	126.6	151.5	161.8	183.6	191.9
30.1	65°	38.4	51.9	69.5	77.8	105.8	129.7	144.2	160.8	169.1
17.6	67.5°	22.8	38.4	55.0	66.4	86.1	110.0	125.5	141.1	148.4
10.4	70°	14.5	30.1	43.6	56.0	67.4	90.3	108.9	122.4	119.3
6.2	72.5°	8.3	18.7	32.2	45.6	56.0	75.7	93.4	103.7	73.7
4.1	75°	5.2	13.5	27.0	37.3	45.6	60.2	76.8	78.8	45.6
2.1	77.5°	4.1	10.4	20.7	30.1	31.1	44.6	53.9	61.2	34.2
2.1	80°	2.1	8.3	17.6	24.9	19.7	31.1	41.5	47.7	27.0
1.0	82.5°	2.1	5.2	13.5	17.6	14.5	23.9	30.1	34.2	22.8
1.0	85°	1.0	4.1	7.3	10.4	10.4	15.6	13.5	16.6	14.5
1.0	87.5°	1.0	2.1	4.1	5.2	4.1	6.2	7.3	7.3	6.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
8154.3
8136.6
8016.3
7675.0
7108.5
6452.9
5743.3
5113.5
4527.4
3985.8
3534.6
3136.2
2762.7
2424.5
2040.6
1602.8
1202.4
786.4
438.8
357.9
318.5
294.6
269.7
249.0
218.9
193.0
169.1
147.3
110.0
65.4
42.5
34.2
28.0
24.9
14.5
5.2
0.0

(END OF REPORT)