

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: P637520

Luminaire Tested: **IFLD-S-SA2A-722-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637520
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2A-722-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6387.9 lumens
Efficiency: N/A
Efficacy: 100.1 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): 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



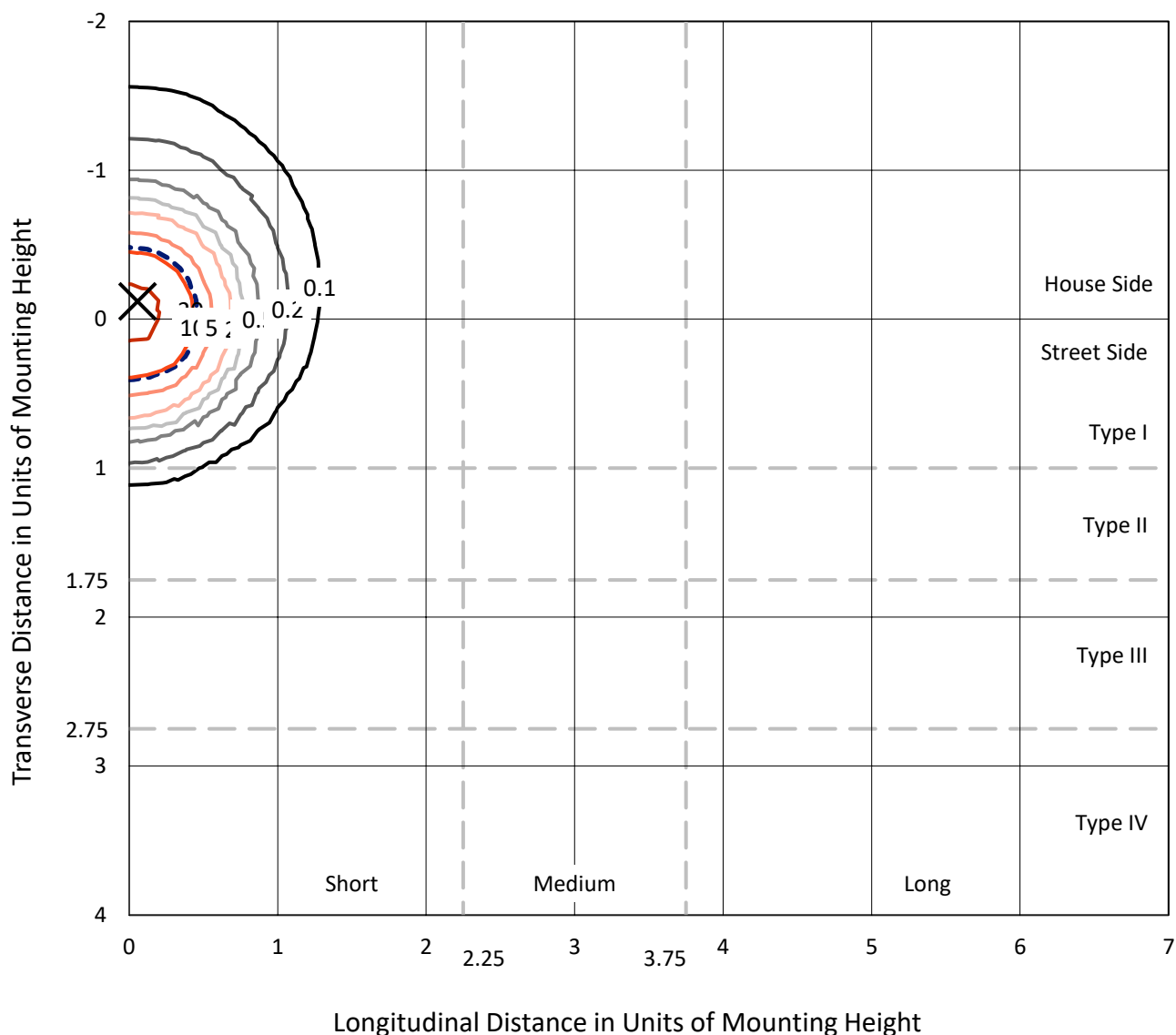
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

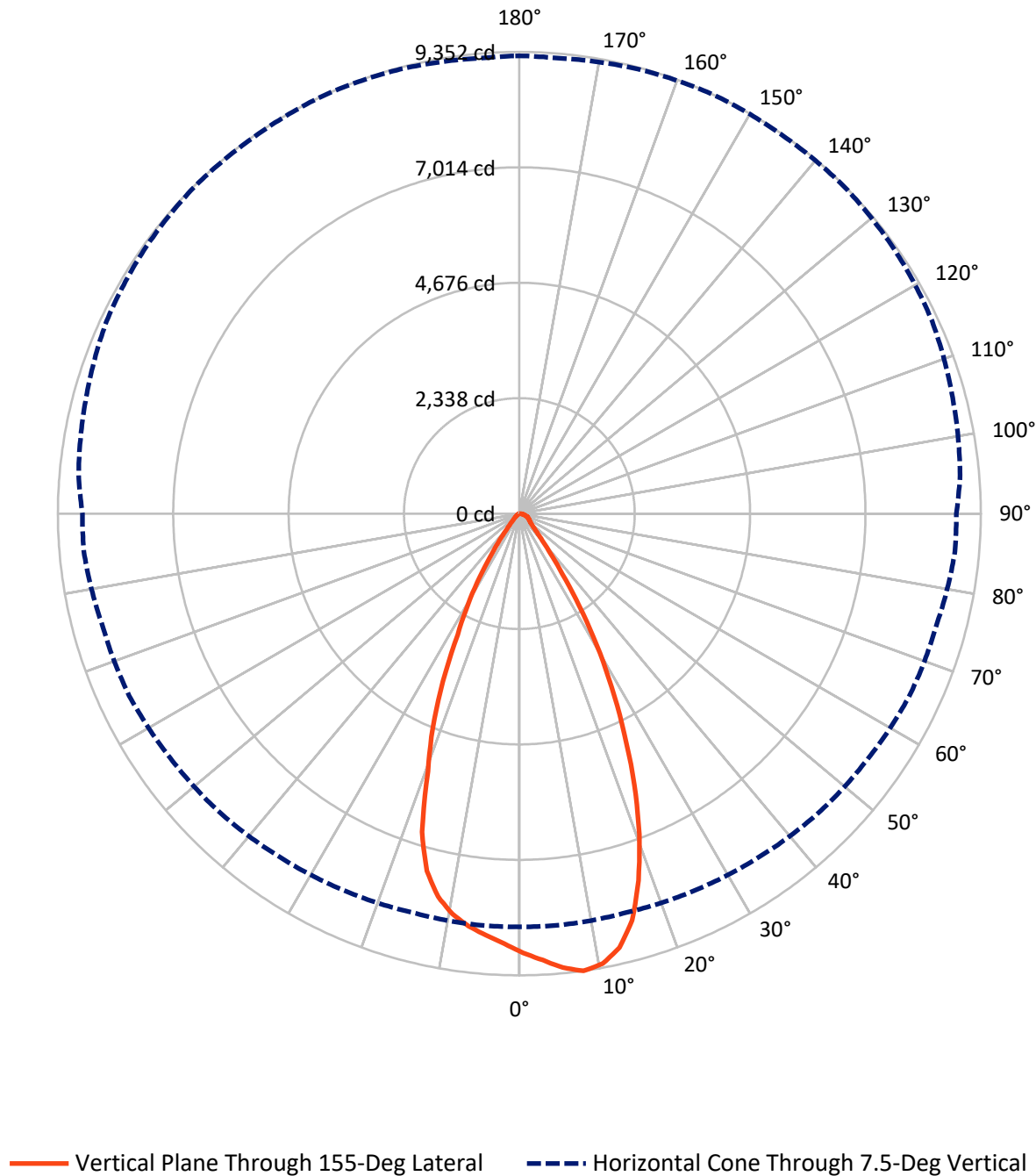


Based on 20 foot mounting height. Maximum calculated value = 22.6 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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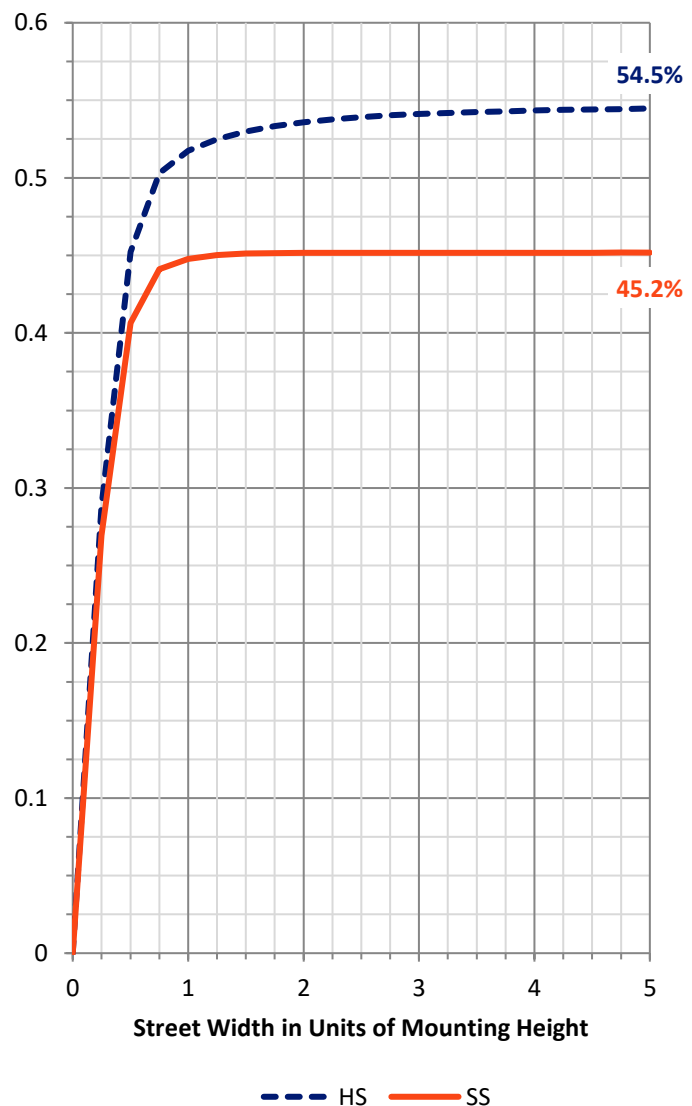
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3526.4	0.0	3526.4
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	2861.6	0.0	2861.6
	% Fixture	44.8	0.0	44.8
Total	Lumens	6387.9	0.0	6387.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	848.6	13.3
10°-20°	2200.3	34.4
20°-30°	2016.1	31.6
30°-40°	814.5	12.8
40°-50°	238.9	3.7
50°-60°	133.6	2.1
60°-70°	81.1	1.3
70°-80°	41.2	0.6
80°-90°	13.5	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°	6387.9	100.0
0°-180°	6387.9	100.0

Coefficient of Utilization



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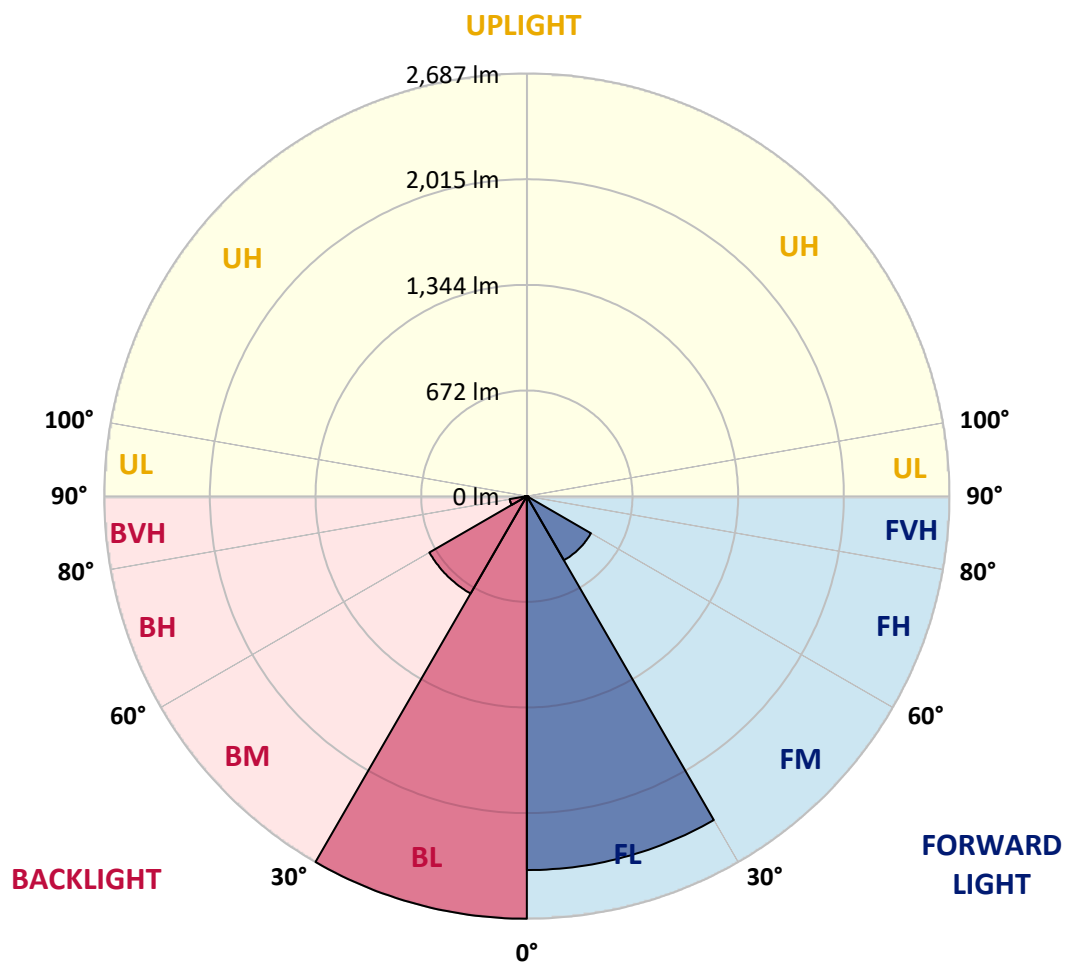
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2377.8	37.2			
FM	(30°-60°)	471.2	7.4			
FH	(60°-80°)	11.4	0.2			G0/660
FVH	(80°-90°)	1.2	0.0			G0/10
BL	(0°-30°)	2687.3	42.1	B4/5000		
BM	(30°-60°)	715.8	11.2	B1/1000		
BH	(60°-80°)	111.0	1.7	B1/500		G1/500
BVH	(80°-90°)	12.3	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8898.9	8898.9	8898.9	8898.9	8898.9	8898.9	8898.9	8898.9	8898.9	8898.9
2.5°	8705.9	8735.4	8676.5	8715.5	8745.7	8817.9	8823.8	8848.8	8857.7	8923.2
5°	8540.9	8563.8	8515.9	8568.2	8610.9	8675.0	8724.3	8793.6	8831.9	8909.2
7.5°	8369.3	8374.4	8364.9	8420.1	8484.2	8572.6	8633.7	8724.3	8747.9	8858.4
10°	8161.6	8124.0	8142.4	8223.4	8319.2	8454.7	8496.7	8587.3	8629.3	8742.0
12.5°	7830.1	7849.2	7826.4	7929.5	8009.1	8163.0	8207.2	8298.6	8378.9	8478.3
15°	7363.1	7352.0	7398.4	7478.7	7564.9	7687.2	7758.6	7858.1	7919.2	8022.3
17.5°	6313.4	6351.0	6542.5	6743.6	6920.4	7063.3	7148.7	7231.2	7275.4	7387.4
20°	5452.3	5405.2	5431.0	5544.4	6047.5	6266.3	6356.2	6376.0	6394.5	6482.8
22.5°	4489.6	4474.1	4560.3	4687.7	4807.1	5311.6	5433.9	5387.5	5425.8	5509.1
25°	3333.9	3411.9	3488.6	3733.1	3887.8	4135.3	4367.3	4387.9	4401.9	4454.2
27.5°	2713.6	2686.4	2684.9	2753.4	2981.8	3188.0	3385.4	3431.1	3423.0	3473.1
30°	2133.2	2124.4	2093.4	2109.6	2086.8	2270.2	2363.0	2550.9	2540.5	2542.0
32.5°	1538.8	1505.6	1493.1	1517.4	1493.8	1476.9	1557.9	1770.1	1766.4	1781.1
35°	931.1	926.6	937.0	958.3	911.2	909.7	926.6	1126.3	1150.6	1174.1
37.5°	514.1	509.7	517.8	596.6	581.2	567.2	571.6	676.9	746.9	764.6
40°	338.8	338.1	344.0	358.0	384.5	379.4	381.6	428.7	495.0	510.5
42.5°	226.9	227.6	231.3	247.5	251.2	277.7	273.3	284.3	346.2	359.5
45°	181.2	180.5	182.7	175.3	179.7	207.0	209.9	210.7	263.7	271.8
47.5°	142.9	142.9	145.1	135.5	133.3	150.3	165.7	167.9	210.7	221.7
50°	100.2	100.2	111.2	106.8	112.0	117.1	134.1	136.3	172.4	184.2
52.5°	73.7	75.1	76.6	77.3	94.3	93.5	108.3	118.6	130.4	151.0
55°	56.0	57.5	53.8	57.5	70.0	78.1	81.0	95.8	103.9	126.7
57.5°	36.8	40.5	37.6	44.2	47.1	60.4	64.8	78.8	84.0	103.9
60°	5.2	5.9	9.6	30.9	33.1	39.8	50.1	62.6	67.8	84.7
62.5°	0.7	0.7	2.2	5.2	22.1	26.5	37.6	43.5	50.1	63.3
65°	0.0	0.0	0.7	1.5	4.4	15.5	19.2	23.6	34.6	45.7
67.5°	0.0	0.0	0.7	1.5	2.2	5.2	8.1	15.5	19.9	31.7
70°	0.0	0.0	0.7	1.5	2.2	2.9	4.4	5.9	11.8	18.4
72.5°	0.0	0.0	0.7	1.5	2.2	2.9	3.7	4.4	5.2	11.8
75°	0.0	0.0	0.7	1.5	2.2	3.7	4.4	4.4	4.4	5.2
77.5°	0.0	0.0	0.7	1.5	2.9	4.4	5.2	4.4	3.7	3.7
80°	0.0	0.0	0.7	2.2	3.7	5.2	5.9	4.4	2.9	2.2
82.5°	0.0	0.0	0.7	2.2	3.7	5.2	5.9	5.2	2.9	2.2
85°	0.0	0.0	0.7	2.2	2.9	3.7	5.9	5.2	2.9	1.5
87.5°	0.0	0.0	0.0	0.7	0.7	1.5	2.9	2.2	1.5	0.7
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°
8898.9	0°	8898.9	8898.9	8898.9	8898.9	8898.9	8898.9	8898.9	8898.9	8898.9
8921.7	2.5°	8988.0	9021.2	9079.4	9095.6	9145.7	9088.2	9056.5	9059.5	8991.0
8899.6	5°	8988.0	9063.9	9165.6	9214.2	9251.0	9248.1	9240.0	9219.3	9169.2
8855.4	7.5°	8964.5	9088.2	9228.2	9293.0	9337.2	9333.5	9351.9	9318.8	9257.6
8776.6	10°	8888.6	8996.1	9168.5	9221.5	9293.0	9294.5	9271.6	9278.3	9169.2
8488.6	12.5°	8649.9	8733.9	8884.9	8945.3	9032.2	9046.2	9021.2	9011.6	8908.5
8016.5	15°	8188.1	8236.7	8388.4	8448.8	8535.0	8523.2	8548.3	8538.0	8447.4
7378.6	17.5°	7512.6	7528.1	7687.2	7738.0	7819.0	7850.7	7813.2	7861.0	7783.0
6498.3	20°	6544.0	6627.2	6806.2	6884.3	6931.4	6988.2	6938.8	6992.6	6901.2
5430.2	22.5°	5561.4	5610.7	5772.8	5885.5	5973.1	5984.2	5965.8	6003.3	5880.3
4488.9	25°	4488.1	4569.9	4698.1	4845.4	4931.6	4984.6	4936.7	4961.0	4941.1
3481.2	27.5°	3540.1	3613.0	3709.5	3819.3	3948.9	4018.2	3979.9	4021.1	3923.9
2595.8	30°	2598.0	2634.8	2743.8	2860.2	3002.4	3086.4	3090.1	3132.0	3074.6
1818.7	32.5°	1831.9	1864.3	1931.4	2008.7	2144.3	2237.8	2223.1	2229.0	2193.6
1185.2	35°	1191.1	1234.5	1282.4	1319.3	1401.0	1504.1	1496.0	1488.7	1464.4
779.3	37.5°	796.3	813.2	839.7	872.9	925.9	990.7	1012.1	985.6	975.3
525.9	40°	538.5	567.9	585.6	610.6	635.7	690.2	704.9	699.8	689.5
368.3	42.5°	382.3	405.1	427.2	451.5	464.8	498.7	527.4	519.3	514.9
279.9	45°	290.2	310.8	336.6	355.0	368.3	388.2	415.4	418.4	411.8
224.7	47.5°	232.8	251.2	271.8	294.6	310.1	322.6	346.2	355.0	350.6
189.3	50°	197.4	211.4	231.3	254.1	271.1	282.1	302.7	312.3	309.4
158.4	52.5°	167.9	184.9	203.3	222.5	243.1	254.1	273.3	287.3	285.1
131.1	55°	139.2	161.3	180.5	199.6	223.2	234.2	251.2	269.6	265.9
111.2	57.5°	121.5	140.0	159.8	178.3	203.3	218.0	233.5	252.7	251.9
91.3	60°	101.7	120.1	142.2	157.6	184.2	204.8	218.8	238.7	240.1
69.2	62.5°	81.0	103.9	120.8	142.2	166.5	190.8	204.0	223.9	231.3
53.0	65°	60.4	85.4	104.6	126.0	148.8	176.0	187.8	207.7	215.1
38.3	67.5°	44.9	64.1	88.4	106.8	132.6	156.2	170.2	188.6	193.7
22.8	70°	33.9	49.4	73.7	89.9	116.4	135.5	149.5	163.5	170.2
15.5	72.5°	19.9	36.8	58.2	77.3	100.2	116.4	126.7	137.7	142.2
7.4	75°	14.0	28.0	45.7	64.1	81.0	94.3	103.9	113.4	117.9
3.7	77.5°	7.4	20.6	36.1	51.6	63.3	74.4	84.0	91.3	94.3
2.9	80°	4.4	14.7	29.5	40.5	48.6	58.2	67.8	72.9	72.2
2.2	82.5°	2.9	11.8	21.4	29.5	35.4	42.7	49.4	53.0	53.0
1.5	85°	2.2	8.1	14.7	22.8	23.6	29.5	30.9	34.6	35.4
1.5	87.5°	1.5	5.2	8.1	13.3	12.5	15.5	16.2	18.4	19.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
8898.9
8935.7
9185.4
9271.6
9137.6
8884.9
8476.1
7763.8
6893.9
5863.4
4928.6
3948.9
3084.9
2213.5
1443.0
973.1
690.9
511.2
411.0
348.4
308.6
283.6
265.9
251.2
240.1
230.6
214.4
193.7
168.7
140.7
116.4
93.5
71.5
52.3
34.6
19.2
0.0

(END OF REPORT)