

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: P636470

Luminaire Tested: **IFLD-L-SA7D-930-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636470
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7D-930-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (112) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25832.9 lumens
Efficiency: N/A
Efficacy: 61.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 422.6
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



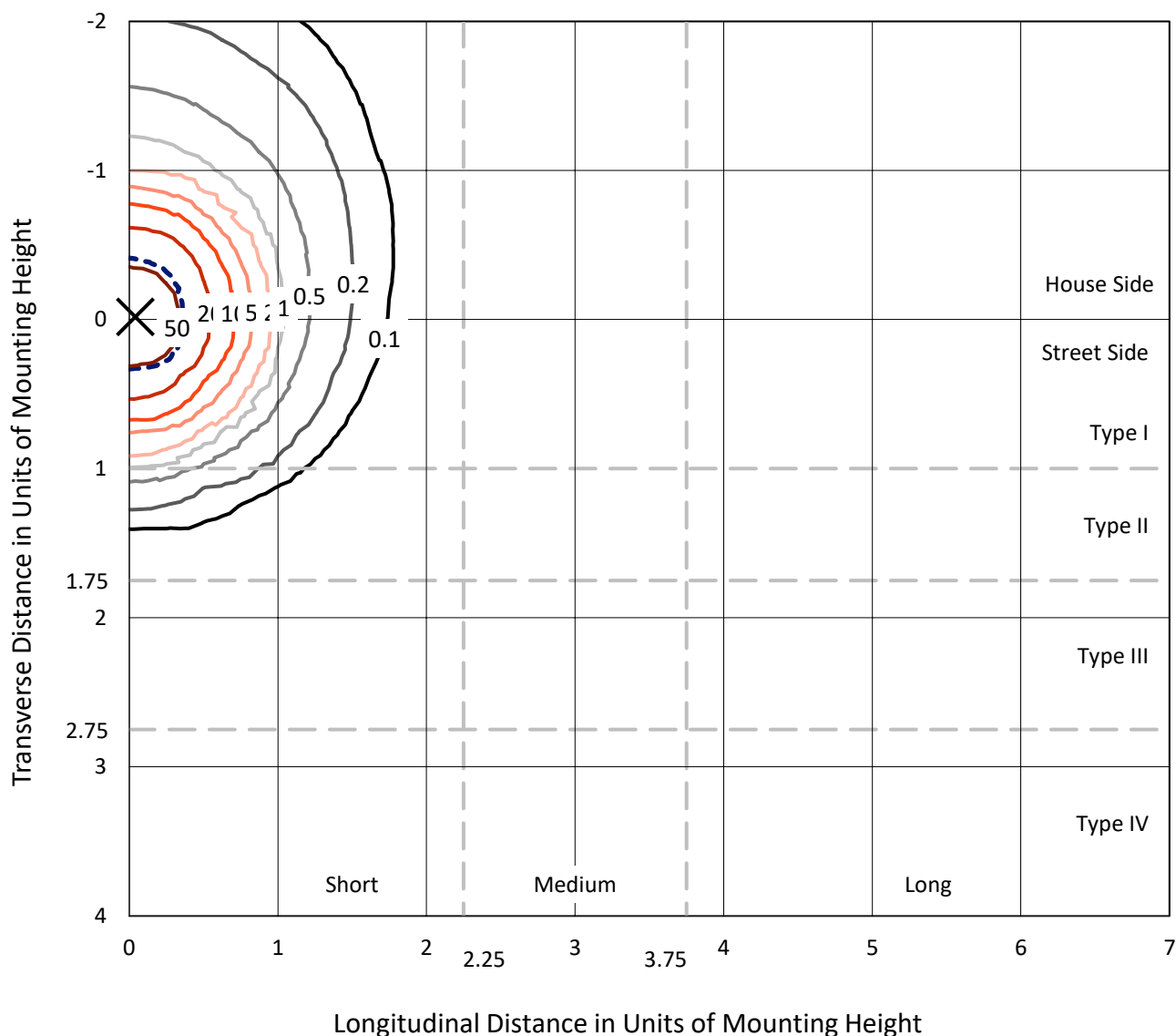
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

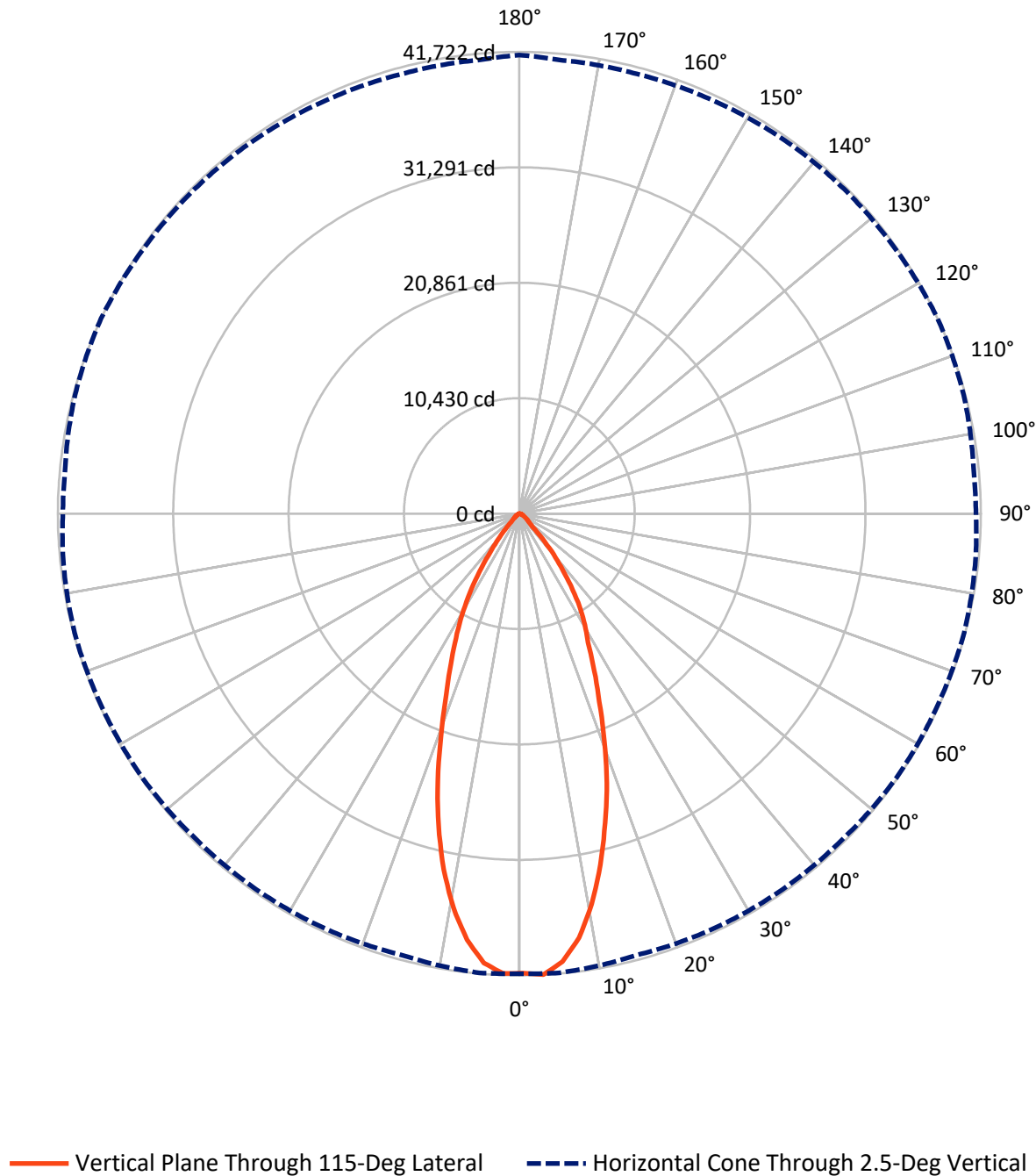


Based on 20 foot mounting height. Maximum calculated value = 103.8 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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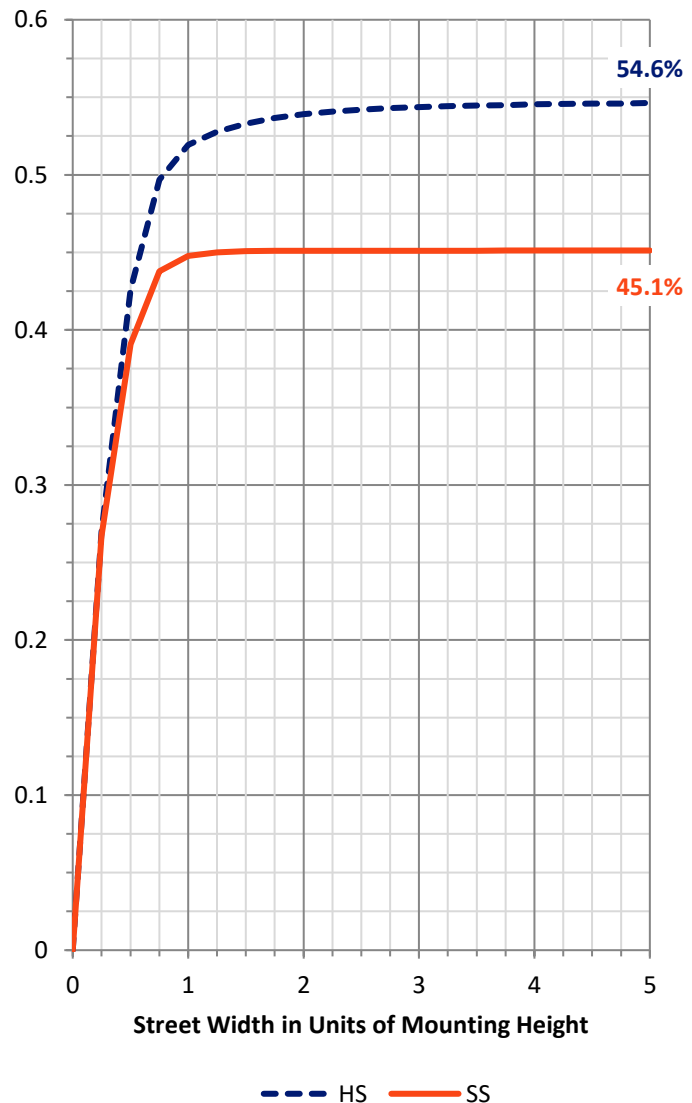
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14256.7	0.0	14256.7
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	11576.1	0.0	11576.1
	% Fixture	44.8	0.0	44.8
Total	Lumens	25832.9	0.0	25832.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3724.6	14.4
10°-20°	7871.8	30.5
20°-30°	7104.8	27.5
30°-40°	4701.7	18.2
40°-50°	1408.4	5.5
50°-60°	565.0	2.2
60°-70°	292.6	1.1
70°-80°	127.0	0.5
80°-90°	36.9	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°	25832.9	100.0
0°-180°	25832.9	100.0

Coefficient of Utilization



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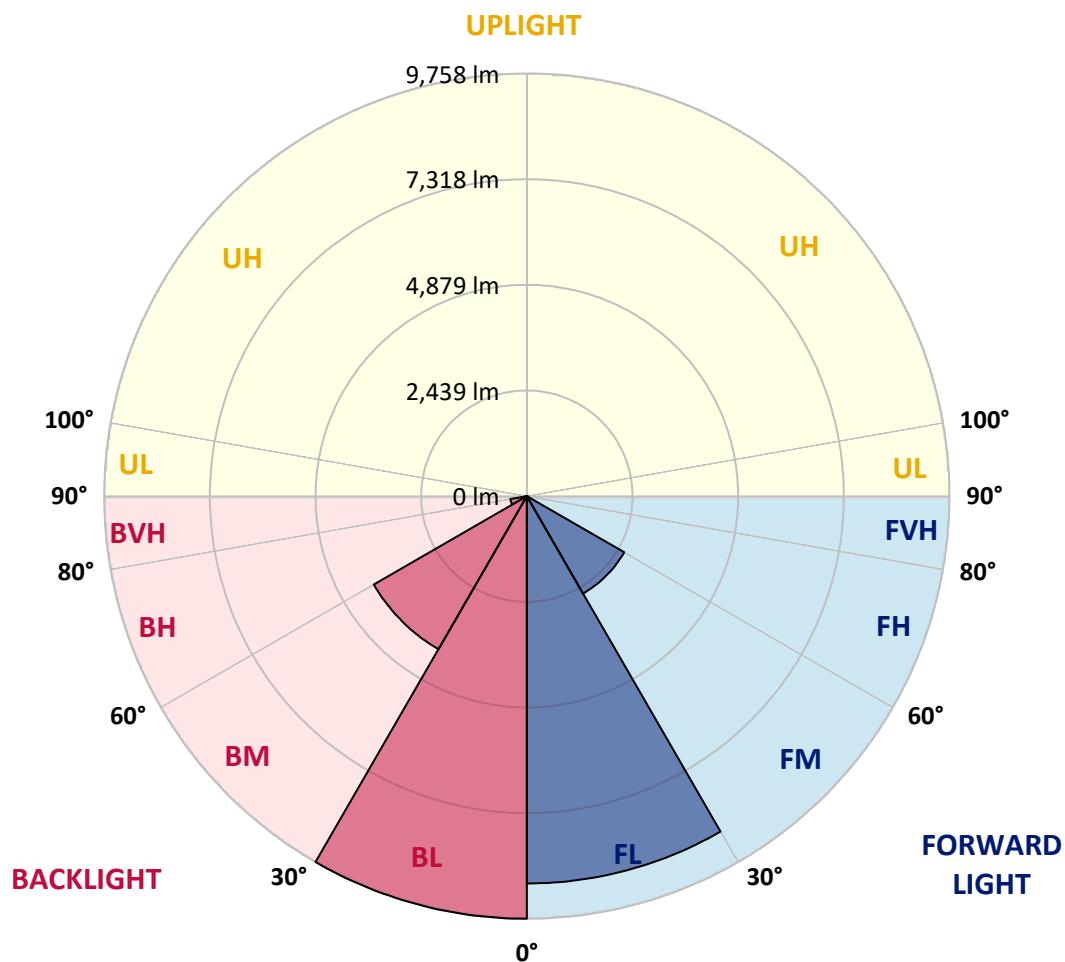
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	8943.5	34.6			
FM	(30°-60°)	2595.1	10.0			
FH	(60°-80°)	32.1	0.1			G0/660
FVH	(80°-90°)	5.3	0.0			G0/10
BL	(0°-30°)	9757.7	37.8	B5		
BM	(30°-60°)	4079.9	15.8	B3/5000		
BH	(60°-80°)	387.4	1.5	B1/500		G1/500
BVH	(80°-90°)	31.6	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	41526.4	41526.4	41526.4	41526.4	41526.4	41526.4	41526.4	41526.4	41526.4	41526.4
2.5°	41579.2	41653.2	41283.4	41410.2	41463.0	41478.8	41610.9	41589.8	41626.8	41431.3
5°	41029.8	40887.1	40612.4	40617.7	40601.8	40453.9	40755.0	40733.9	40670.5	40438.0
7.5°	39159.5	39365.5	38847.8	38837.2	38826.7	38647.0	39043.3	38800.2	38853.1	38520.2
10°	36422.8	36449.2	35989.5	35947.3	35984.3	35751.8	36211.4	36116.3	36216.7	35868.0
12.5°	33067.9	33215.8	32708.6	32634.7	32782.6	32455.0	32824.9	32872.4	32724.5	32676.9
15°	25935.5	26326.5	27288.0	28756.8	29137.2	28862.4	29158.3	29153.0	29216.4	28857.1
17.5°	19759.4	19796.4	19569.2	20271.9	24340.0	25660.8	25724.2	25222.3	24841.9	24709.8
20°	17249.8	17376.6	17170.6	17228.7	17878.5	21751.2	21899.1	21143.6	20493.8	20440.9
22.5°	15252.8	15332.0	15184.1	15231.6	15263.3	15717.7	18290.6	17624.9	17313.2	17075.5
25°	13562.1	13562.1	13482.9	13498.7	13467.0	12796.0	14116.9	14877.7	14698.0	14613.5
27.5°	12019.4	12040.5	11940.2	11998.3	11612.6	10529.5	10371.0	12616.4	12426.2	12273.0
30°	10555.9	10624.6	10529.5	10561.2	9721.2	8833.6	8379.2	10524.2	10762.0	10719.7
32.5°	7946.0	8257.7	9023.8	9055.5	7914.3	7232.8	7032.0	8447.9	9351.4	9272.1
35°	4924.0	4908.1	4939.8	6461.4	6070.5	5605.5	5679.5	6382.2	7401.8	7364.9
37.5°	3756.4	3751.1	3809.2	3656.0	3978.3	4253.0	4311.1	4311.1	5404.8	5410.1
40°	2847.7	2826.5	2821.3	2578.2	2160.9	3191.1	3096.0	3016.7	3756.4	3835.6
42.5°	1817.4	1880.8	1833.3	1569.1	1410.6	1743.5	1944.2	1880.8	2319.3	2377.5
45°	1014.4	1014.4	972.1	824.2	818.9	882.3	1109.5	1035.5	1188.7	1268.0
47.5°	491.3	480.8	528.3	649.8	676.3	655.1	792.5	824.2	898.2	972.1
50°	396.2	396.2	375.1	338.1	560.0	538.9	586.4	628.7	671.0	734.4
52.5°	332.8	332.8	306.4	285.3	322.3	412.1	417.4	496.6	491.3	581.2
55°	169.1	174.3	248.3	248.3	216.6	338.1	343.4	401.5	412.1	486.1
57.5°	15.8	21.1	31.7	153.2	169.1	184.9	258.9	295.9	343.4	375.1
60°	5.3	5.3	10.6	21.1	100.4	126.8	163.8	195.5	237.7	311.7
62.5°	0.0	0.0	5.3	10.6	21.1	79.2	89.8	100.4	142.6	195.5
65°	0.0	0.0	5.3	5.3	10.6	26.4	37.0	63.4	89.8	121.5
67.5°	0.0	0.0	5.3	5.3	10.6	15.8	21.1	31.7	42.3	79.2
70°	0.0	0.0	5.3	5.3	10.6	15.8	15.8	21.1	26.4	37.0
72.5°	0.0	0.0	5.3	5.3	10.6	21.1	15.8	15.8	21.1	26.4
75°	0.0	0.0	5.3	5.3	10.6	15.8	15.8	15.8	15.8	15.8
77.5°	0.0	0.0	5.3	5.3	10.6	15.8	15.8	15.8	10.6	10.6
80°	0.0	0.0	5.3	5.3	10.6	15.8	21.1	21.1	10.6	10.6
82.5°	0.0	0.0	5.3	10.6	10.6	26.4	31.7	26.4	10.6	5.3
85°	0.0	0.0	5.3	5.3	15.8	26.4	26.4	15.8	10.6	5.3
87.5°	0.0	0.0	0.0	5.3	5.3	10.6	15.8	15.8	5.3	5.3
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°
41526.4	0°	41526.4	41526.4	41526.4	41526.4	41526.4	41526.4	41526.4	41526.4	41526.4
41272.8	2.5°	41251.7	41573.9	41721.9	41568.7	41494.7	41389.0	41235.8	41130.2	41151.3
40311.2	5°	40221.4	40559.6	40675.8	40543.7	40432.8	40374.6	40348.2	40401.1	40538.4
38377.6	7.5°	38367.0	38583.6	38710.4	38647.0	38493.8	38668.2	38715.7	38684.0	38884.8
35762.4	10°	35772.9	36010.7	35894.4	35920.9	35741.2	35831.0	35804.6	35920.9	36121.6
32640.0	12.5°	32428.6	32655.8	32566.0	32550.1	32359.9	32529.0	32423.3	32550.1	32814.3
28709.2	15°	28915.3	29057.9	28999.8	28910.0	28740.9	28799.0	29126.6	29105.5	29221.7
24630.5	17.5°	24524.9	25211.7	25586.8	25666.1	25528.7	25644.9	25877.4	25819.3	26083.4
20330.0	20°	20293.0	20985.1	21909.7	22659.9	22675.7	22691.6	22839.5	22876.5	23103.7
17080.8	22.5°	17006.8	17498.1	18491.4	19484.6	20171.5	20314.1	20298.3	20351.1	20414.5
14497.3	25°	14460.3	14819.5	15728.3	16415.1	17619.7	18021.2	18137.4	18021.2	18058.2
12220.2	27.5°	12357.5	12907.0	13208.1	13942.5	15120.7	16050.5	16013.6	15944.9	15955.4
10635.2	30°	10629.9	11221.6	11665.4	11887.3	12774.9	14116.9	14254.2	14058.7	14064.0
9235.1	32.5°	9177.0	9361.9	10017.1	10196.7	10767.3	11987.7	12457.9	12310.0	12283.6
7386.0	35°	7602.6	7703.0	8004.1	8358.1	8696.2	9620.8	10397.4	10260.1	10328.8
5431.2	37.5°	5410.1	5822.1	6112.7	6403.3	6646.3	7227.5	8162.6	8035.8	8104.5
3846.2	40°	3814.5	3999.4	4501.3	4628.1	4987.4	5256.8	6049.3	6007.1	6091.6
2388.0	42.5°	2345.8	2477.8	2731.4	2853.0	3096.0	3249.2	3714.1	3767.0	3877.9
1320.8	45°	1331.4	1389.5	1563.8	1695.9	1875.6	1939.0	2102.7	2176.7	2240.1
1025.0	47.5°	1014.4	1077.8	1194.0	1310.2	1458.2	1511.0	1627.2	1738.2	1796.3
792.5	50°	829.5	887.6	1009.1	1104.2	1252.1	1299.7	1394.8	1516.3	1590.3
602.3	52.5°	628.7	713.2	861.2	961.6	1114.8	1172.9	1262.7	1384.2	1452.9
496.6	55°	517.8	581.2	713.2	850.6	993.3	1072.5	1130.6	1278.5	1352.5
406.8	57.5°	443.8	491.3	575.9	739.7	861.2	977.4	1025.0	1162.3	1236.3
322.3	60°	338.1	412.1	486.1	612.9	750.2	871.7	924.6	1046.1	1104.2
232.5	62.5°	280.0	327.6	422.7	491.3	644.6	771.4	824.2	935.1	977.4
153.2	65°	195.5	264.2	354.0	396.2	538.9	660.4	734.4	818.9	861.2
89.8	67.5°	116.2	195.5	280.0	338.1	438.5	560.0	639.3	718.5	755.5
52.8	70°	74.0	153.2	221.9	285.3	343.4	459.6	554.7	623.4	607.6
31.7	72.5°	42.3	95.1	163.8	232.5	285.3	385.7	475.5	528.3	375.1
21.1	75°	26.4	68.7	137.4	190.2	232.5	306.4	391.0	401.5	232.5
10.6	77.5°	21.1	52.8	105.7	153.2	158.5	227.2	274.7	311.7	174.3
10.6	80°	10.6	42.3	89.8	126.8	100.4	158.5	211.3	243.0	137.4
5.3	82.5°	10.6	26.4	68.7	89.8	74.0	121.5	153.2	174.3	116.2
5.3	85°	5.3	21.1	37.0	52.8	52.8	79.2	68.7	84.5	74.0
5.3	87.5°	5.3	10.6	21.1	26.4	21.1	31.7	37.0	37.0	31.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
41526.4
41436.6
40823.7
39085.5
36200.9
32861.9
29248.1
26041.2
23056.1
20298.3
18000.1
15971.3
14069.3
12347.0
10392.2
8162.6
6123.3
4004.7
2234.8
1822.7
1622.0
1500.4
1373.6
1268.0
1114.8
982.7
861.2
750.2
560.0
332.8
216.6
174.3
142.6
126.8
74.0
26.4
0.0

(END OF REPORT)