

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: P636487

Luminaire Tested: **IFLD-S-SA6B-935-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636487
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-935-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (96) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18340.5 lumens
Efficiency: N/A
Efficacy: 74.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 244.9
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



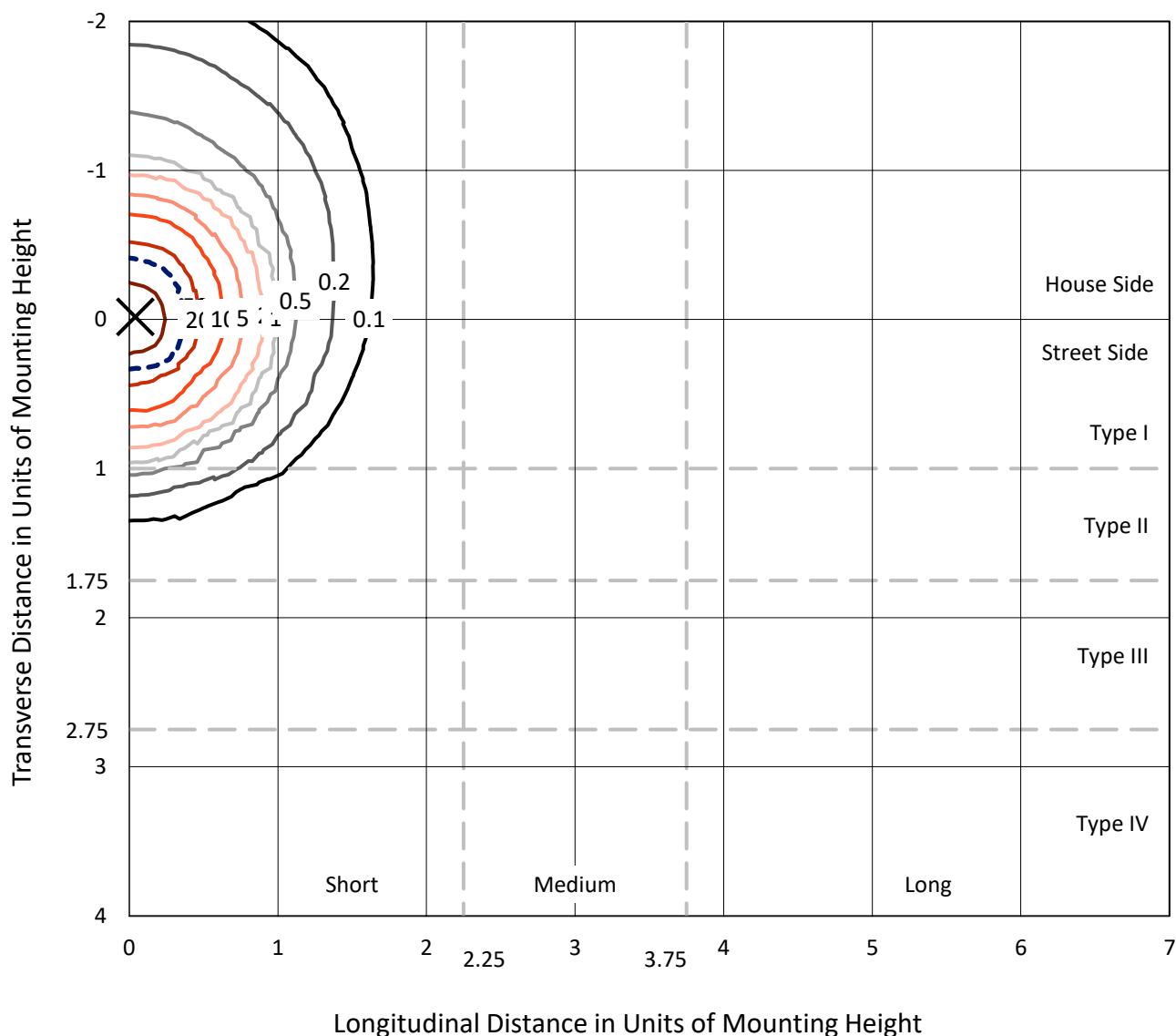
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

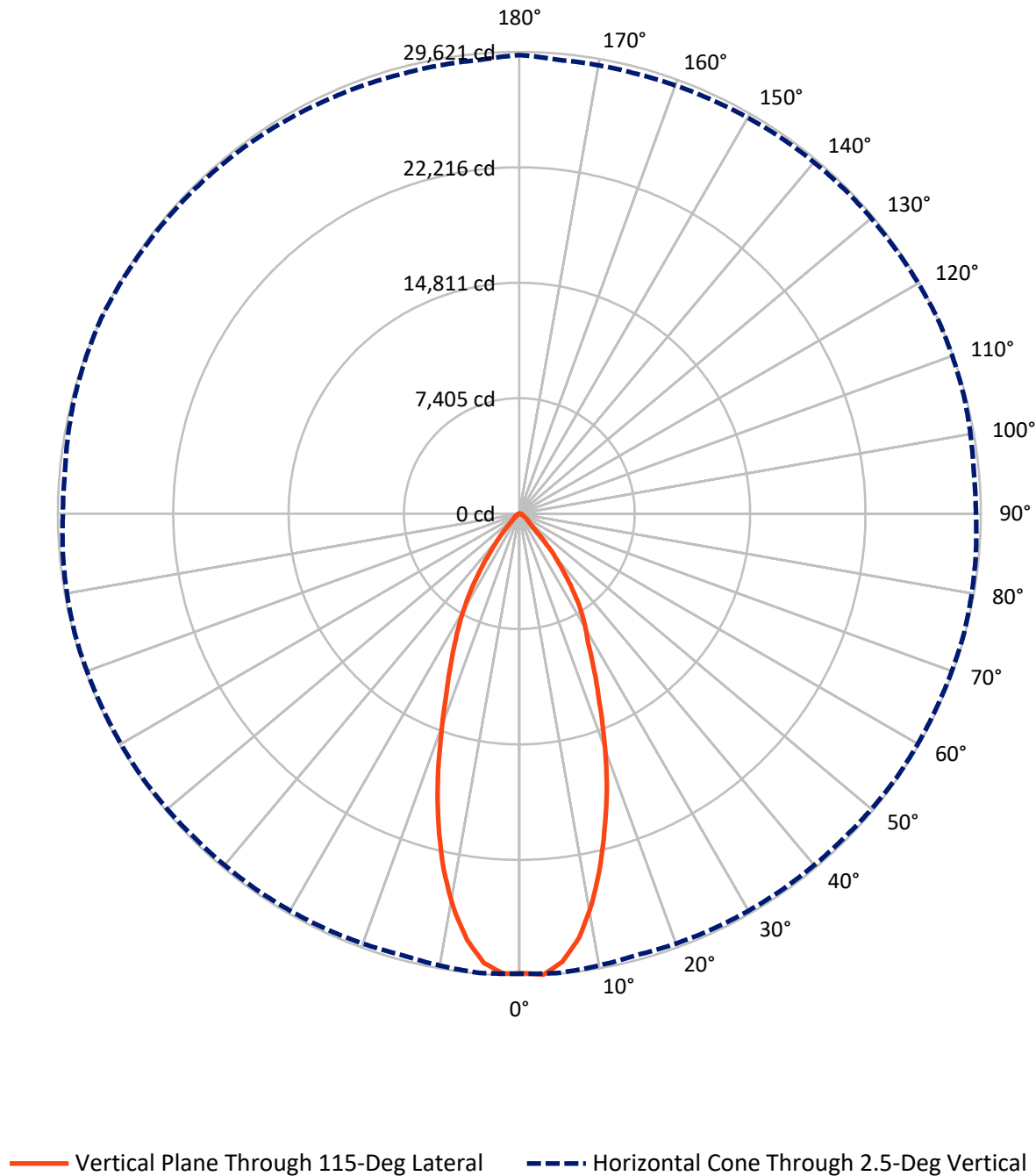


Based on 20 foot mounting height. Maximum calculated value = 73.7 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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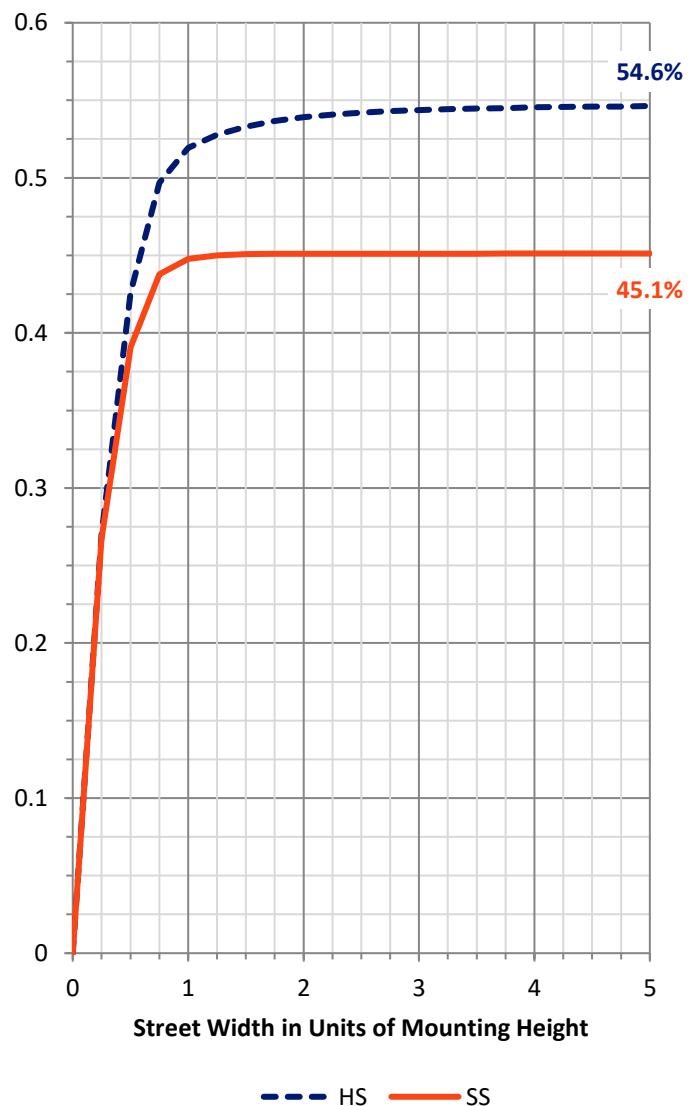
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10121.8	0.0	10121.8
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	8218.7	0.0	8218.7
	% Fixture	44.8	0.0	44.8
Total	Lumens	18340.5	0.0	18340.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2644.3	14.4
10°-20°	5588.7	30.5
20°-30°	5044.2	27.5
30°-40°	3338.0	18.2
40°-50°	999.9	5.5
50°-60°	401.1	2.2
60°-70°	207.7	1.1
70°-80°	90.2	0.5
80°-90°	26.2	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°	18340.5	100.0
0°-180°	18340.5	100.0

Coefficient of Utilization



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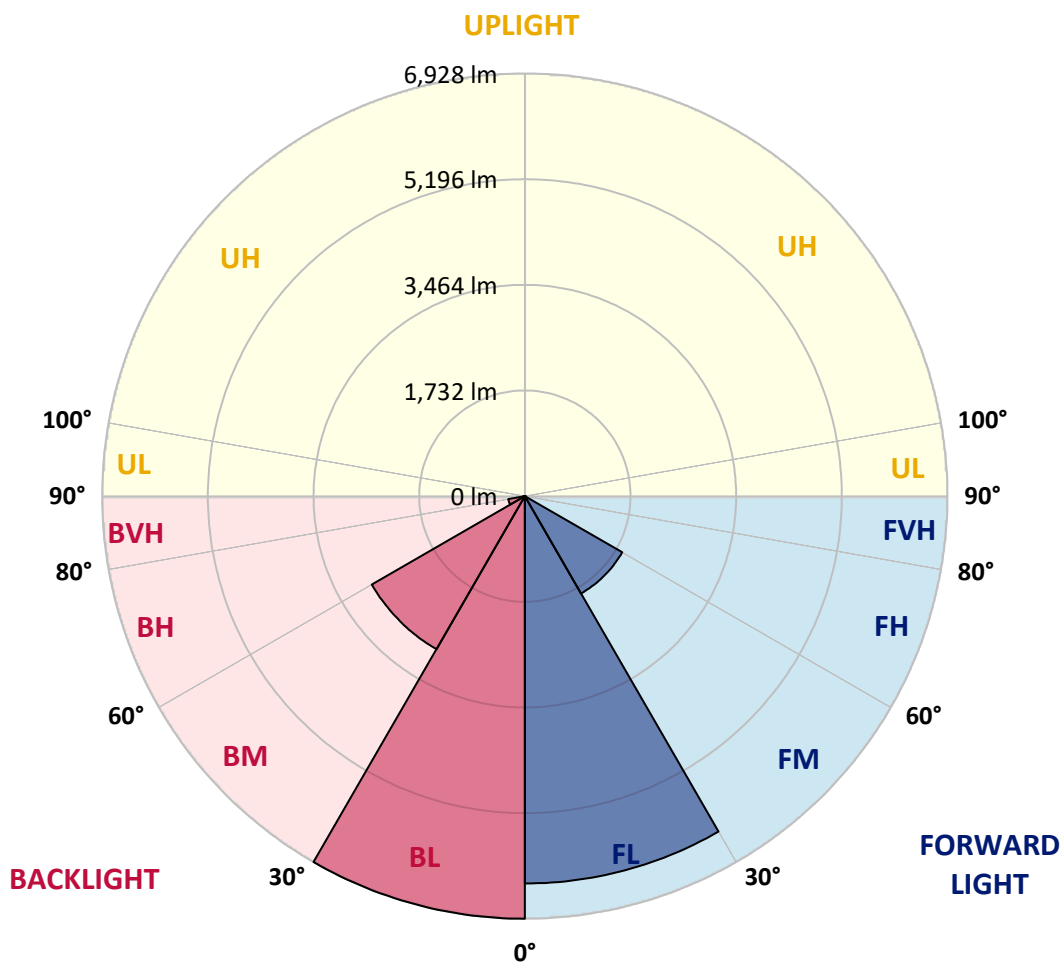
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6349.6	34.6			
FM	(30°-60°)	1842.5	10.0			
FH	(60°-80°)	22.8	0.1			G0/660
FVH	(80°-90°)	3.8	0.0			G0/10
BL	(0°-30°)	6927.6	37.8	B5		
BM	(30°-60°)	2896.6	15.8	B3/5000		
BH	(60°-80°)	275.1	1.5	B1/500		G1/500
BVH	(80°-90°)	22.5	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°	29482.3	29482.3	29482.3	29482.3	29482.3	29482.3	29482.3	29482.3	29482.3	29482.3
2.5°	29519.8	29572.3	29309.7	29399.7	29437.3	29448.5	29542.3	29527.3	29553.5	29414.8
5°	29129.7	29028.4	28833.4	28837.1	28825.9	28720.8	28934.6	28919.6	28874.6	28709.6
7.5°	27801.9	27948.1	27580.6	27573.0	27565.5	27438.0	27719.3	27546.8	27584.3	27348.0
10°	25858.9	25877.6	25551.3	25521.3	25547.5	25382.5	25708.8	25641.3	25712.6	25465.0
12.5°	23477.0	23582.1	23222.0	23169.5	23274.5	23041.9	23304.5	23338.3	23233.2	23199.5
15°	18413.3	18690.9	19373.5	20416.3	20686.4	20491.3	20701.4	20697.6	20742.6	20487.6
17.5°	14028.5	14054.7	13893.4	14392.3	17280.5	18218.2	18263.3	17906.9	17636.8	17543.1
20°	12246.8	12336.8	12190.5	12231.8	12693.1	15442.6	15547.6	15011.2	14549.8	14512.3
22.5°	10828.9	10885.2	10780.2	10813.9	10836.4	11159.0	12985.7	12513.1	12291.8	12123.0
25°	9628.6	9628.6	9572.4	9583.6	9561.1	9084.7	10022.5	10562.6	10435.1	10375.1
27.5°	8533.4	8548.4	8477.1	8518.4	8244.5	7475.6	7363.1	8957.2	8822.2	8713.4
30°	7494.3	7543.1	7475.6	7498.1	6901.7	6271.5	5949.0	7471.8	7640.6	7610.6
32.5°	5641.4	5862.7	6406.6	6429.1	5618.9	5135.0	4992.5	5997.7	6639.1	6582.9
35°	3495.9	3484.6	3507.1	4587.4	4309.8	3979.7	4032.2	4531.1	5255.0	5228.8
37.5°	2666.9	2663.2	2704.4	2595.6	2824.4	3019.5	3060.8	3060.8	3837.2	3840.9
40°	2021.7	2006.7	2003.0	1830.5	1534.1	2265.6	2198.0	2141.8	2666.9	2723.2
42.5°	1290.3	1335.3	1301.6	1114.0	1001.5	1237.8	1380.3	1335.3	1646.7	1687.9
45°	720.2	720.2	690.2	585.1	581.4	626.4	787.7	735.2	844.0	900.2
47.5°	348.8	341.3	375.1	461.4	480.1	465.1	562.6	585.1	637.7	690.2
50°	281.3	281.3	266.3	240.1	397.6	382.6	416.4	446.4	476.4	521.4
52.5°	236.3	236.3	217.6	202.5	228.8	292.6	296.3	352.6	348.8	412.6
55°	120.0	123.8	176.3	176.3	153.8	240.1	243.8	285.1	292.6	345.1
57.5°	11.3	15.0	22.5	108.8	120.0	131.3	183.8	210.1	243.8	266.3
60°	3.8	3.8	7.5	15.0	71.3	90.0	116.3	138.8	168.8	221.3
62.5°	0.0	0.0	3.8	7.5	15.0	56.3	63.8	71.3	101.3	138.8
65°	0.0	0.0	3.8	3.8	7.5	18.8	26.3	45.0	63.8	86.3
67.5°	0.0	0.0	3.8	3.8	7.5	11.3	15.0	22.5	30.0	56.3
70°	0.0	0.0	3.8	3.8	7.5	11.3	11.3	15.0	18.8	26.3
72.5°	0.0	0.0	3.8	3.8	7.5	15.0	11.3	11.3	15.0	18.8
75°	0.0	0.0	3.8	3.8	7.5	11.3	11.3	11.3	11.3	11.3
77.5°	0.0	0.0	3.8	3.8	7.5	11.3	11.3	11.3	7.5	7.5
80°	0.0	0.0	3.8	3.8	7.5	11.3	15.0	15.0	7.5	7.5
82.5°	0.0	0.0	3.8	7.5	7.5	18.8	22.5	18.8	7.5	3.8
85°	0.0	0.0	3.8	3.8	11.3	18.8	18.8	11.3	7.5	3.8
87.5°	0.0	0.0	0.0	3.8	3.8	7.5	11.3	11.3	3.8	3.8
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°
29482.3	0°	29482.3	29482.3	29482.3	29482.3	29482.3	29482.3	29482.3	29482.3	29482.3
29302.2	2.5°	29287.2	29516.0	29621.1	29512.3	29459.8	29384.7	29276.0	29201.0	29216.0
28619.6	5°	28555.8	28795.9	28878.4	28784.6	28705.8	28664.6	28645.8	28683.3	28780.8
27246.7	7.5°	27239.2	27393.0	27483.0	27438.0	27329.2	27453.0	27486.8	27464.3	27606.8
25390.0	10°	25397.5	25566.3	25483.8	25502.5	25375.0	25438.8	25420.0	25502.5	25645.1
23173.2	12.5°	23023.2	23184.5	23120.7	23109.4	22974.4	23094.4	23019.4	23109.4	23297.0
20382.5	15°	20528.8	20630.1	20588.8	20525.1	20405.0	20446.3	20678.8	20663.8	20746.4
17486.8	17.5°	17411.8	17899.4	18165.7	18222.0	18124.5	18207.0	18372.0	18330.8	18518.3
14433.6	20°	14407.3	14898.7	15555.1	16087.7	16099.0	16110.2	16215.2	16241.5	16402.8
12126.7	22.5°	12074.2	12423.1	13128.2	13833.4	14321.0	14422.3	14411.1	14448.6	14493.6
10292.5	25°	10266.3	10521.3	11166.5	11654.1	12509.3	12794.4	12876.9	12794.4	12820.7
8675.9	27.5°	8773.4	9163.5	9377.3	9898.7	10735.1	11395.3	11369.1	11320.3	11327.8
7550.6	30°	7546.9	7967.0	8282.0	8439.6	9069.7	10022.5	10120.0	9981.2	9985.0
6556.6	32.5°	6515.4	6646.6	7111.8	7239.3	7644.4	8510.8	8844.7	8739.7	8720.9
5243.8	35°	5397.6	5468.8	5682.7	5934.0	6174.0	6830.4	7381.8	7284.3	7333.1
3856.0	37.5°	3840.9	4133.5	4339.8	4546.1	4718.7	5131.3	5795.2	5705.2	5753.9
2730.7	40°	2708.2	2839.5	3195.8	3285.8	3540.9	3732.2	4294.8	4264.8	4324.8
1695.4	42.5°	1665.4	1759.2	1939.2	2025.5	2198.0	2306.8	2636.9	2674.4	2753.2
937.7	45°	945.2	986.5	1110.3	1204.0	1331.6	1376.6	1492.9	1545.4	1590.4
727.7	47.5°	720.2	765.2	847.7	930.2	1035.3	1072.8	1155.3	1234.1	1275.3
562.6	50°	588.9	630.2	716.4	783.9	889.0	922.7	990.2	1076.5	1129.0
427.6	52.5°	446.4	506.4	611.4	682.7	791.4	832.7	896.5	982.7	1031.5
352.6	55°	367.6	412.6	506.4	603.9	705.2	761.4	802.7	907.7	960.2
288.8	57.5°	315.1	348.8	408.9	525.1	611.4	693.9	727.7	825.2	877.7
228.8	60°	240.1	292.6	345.1	435.1	532.6	618.9	656.4	742.7	783.9
165.0	62.5°	198.8	232.6	300.1	348.8	457.6	547.6	585.1	663.9	693.9
108.8	65°	138.8	187.5	251.3	281.3	382.6	468.9	521.4	581.4	611.4
63.8	67.5°	82.5	138.8	198.8	240.1	311.3	397.6	453.9	510.1	536.4
37.5	70°	52.5	108.8	157.5	202.5	243.8	326.3	393.8	442.6	431.4
22.5	72.5°	30.0	67.5	116.3	165.0	202.5	273.8	337.6	375.1	266.3
15.0	75°	18.8	48.8	97.5	135.0	165.0	217.6	277.6	285.1	165.0
7.5	77.5°	15.0	37.5	75.0	108.8	112.5	161.3	195.0	221.3	123.8
7.5	80°	7.5	30.0	63.8	90.0	71.3	112.5	150.0	172.5	97.5
3.8	82.5°	7.5	18.8	48.8	63.8	52.5	86.3	108.8	123.8	82.5
3.8	85°	3.8	15.0	26.3	37.5	37.5	56.3	48.8	60.0	52.5
3.8	87.5°	3.8	7.5	15.0	18.8	15.0	22.5	26.3	26.3	22.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
29482.3
29418.5
28983.4
27749.3
25701.3
23330.8
20765.1
18488.3
16369.0
14411.1
12779.4
11339.0
9988.7
8765.9
7378.1
5795.2
4347.3
2843.2
1586.6
1294.1
1151.5
1065.3
975.2
900.2
791.4
697.7
611.4
532.6
397.6
236.3
153.8
123.8
101.3
90.0
52.5
18.8
0.0

(END OF REPORT)