

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: EPHESUS

Report Number: P638758

Luminaire Tested: **EPH-VN-06-E-930-U-66-VI**

Issue Date: 11/2/2022

Test Information

Test Method: LM-79-08
Report Number: P638758
Test Lab: INNOVATION CENTER(G2)
Issue Date: 11/2/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-VN-06-E-930-U-66-VI
Description: EPHESUS LUMAVISION FLOOD – Middle Tier Light Square Luminaire w/
Nema 6 distribution lens and Visor
Light Source: (96) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28554.8 lumens
Efficiency: N/A
Efficacy: 61.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G2

Input Watts (W): 464.2
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



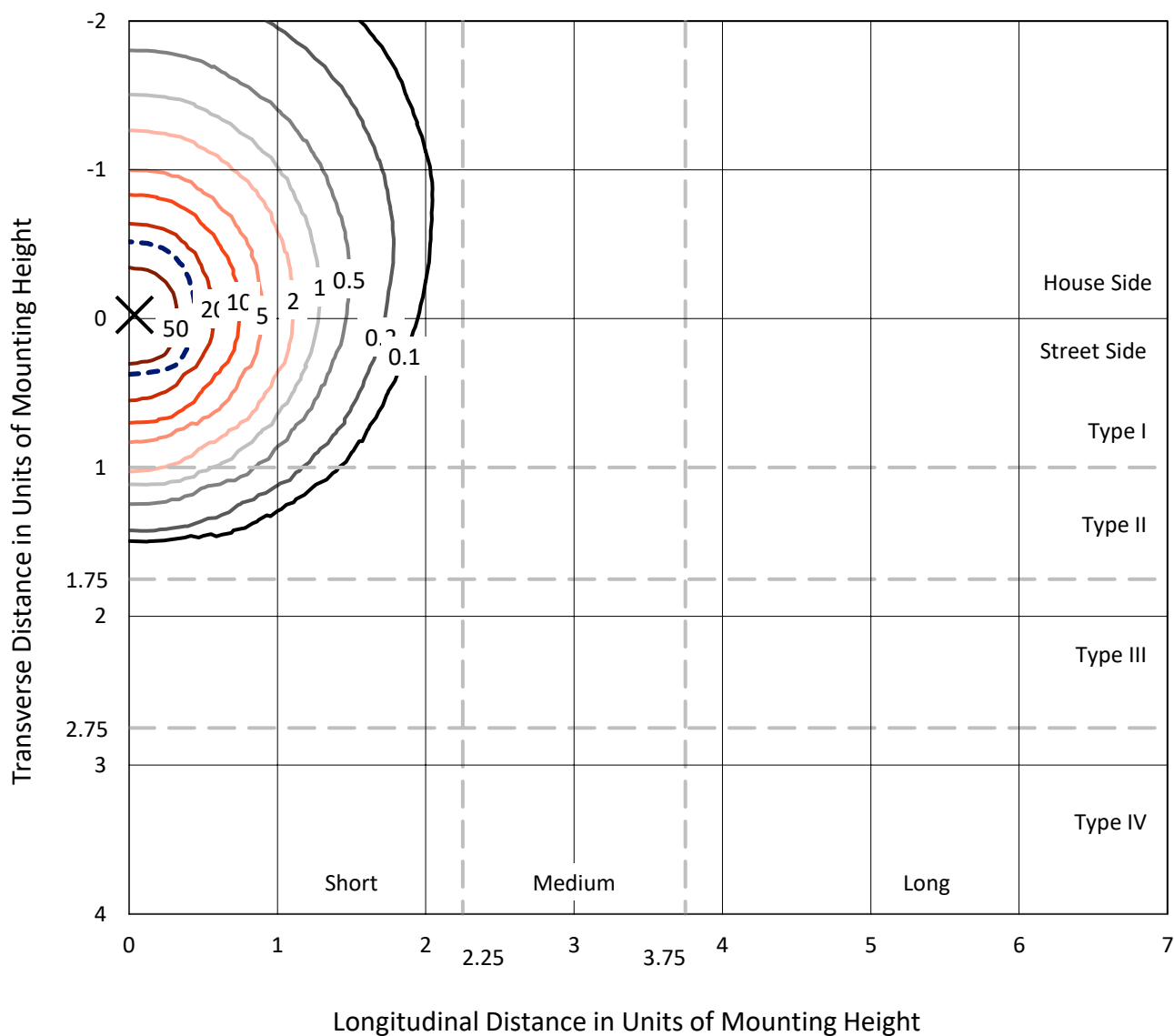
REPORT NUMBER: P638758

CATALOG NUMBER: EPH-VN-06-E-930-U-66-VI

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

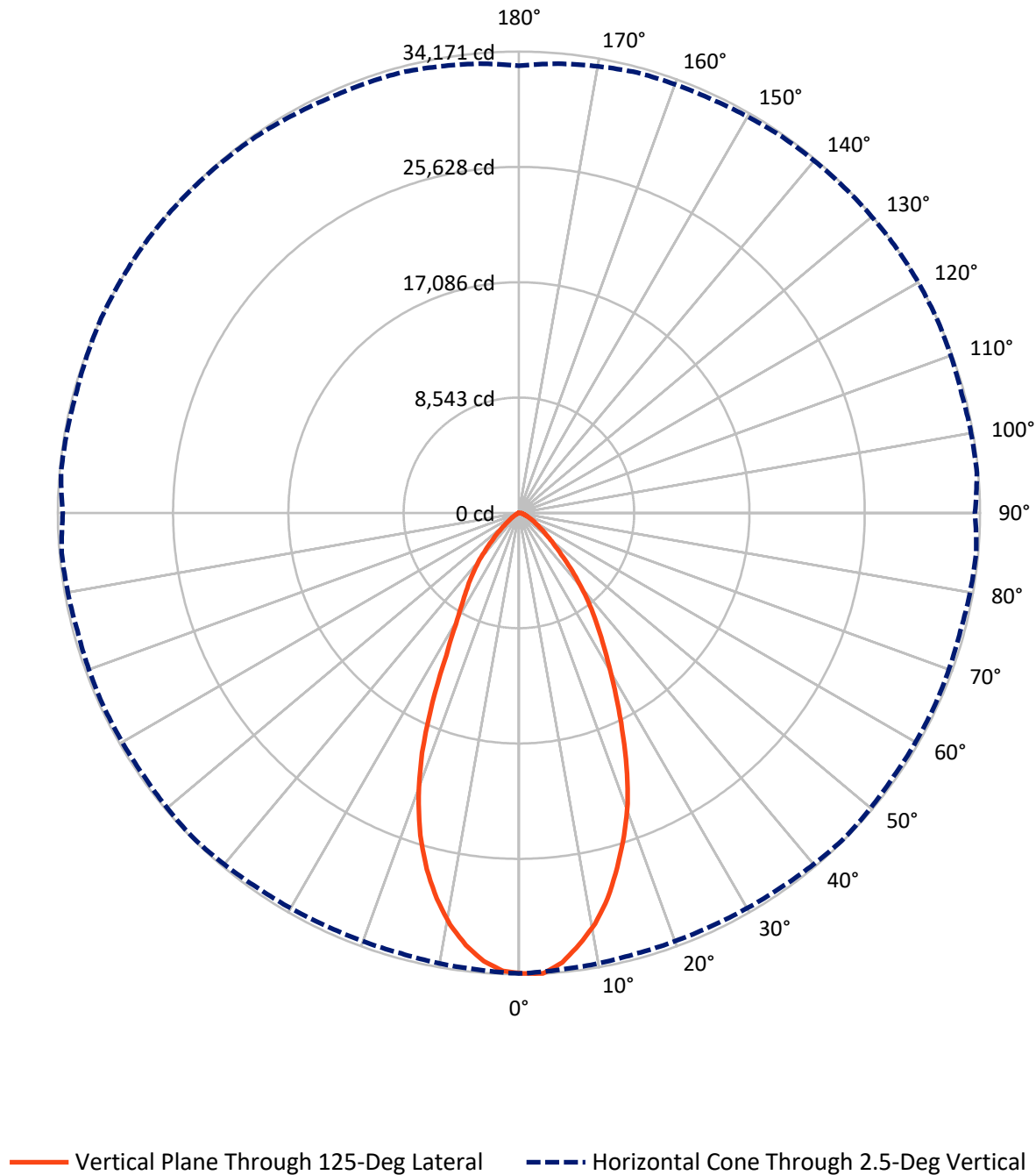


Based on 20 foot mounting height. Maximum calculated value = 85.3 fc

Type I - Short - N/A

REPORT NUMBER: P638758
CATALOG NUMBER: EPH-VN-06-E-930-U-66-VI

Luminous Intensity Polar Plot



REPORT NUMBER: P638758

CATALOG NUMBER: EPH-VN-06-E-930-U-66-VI

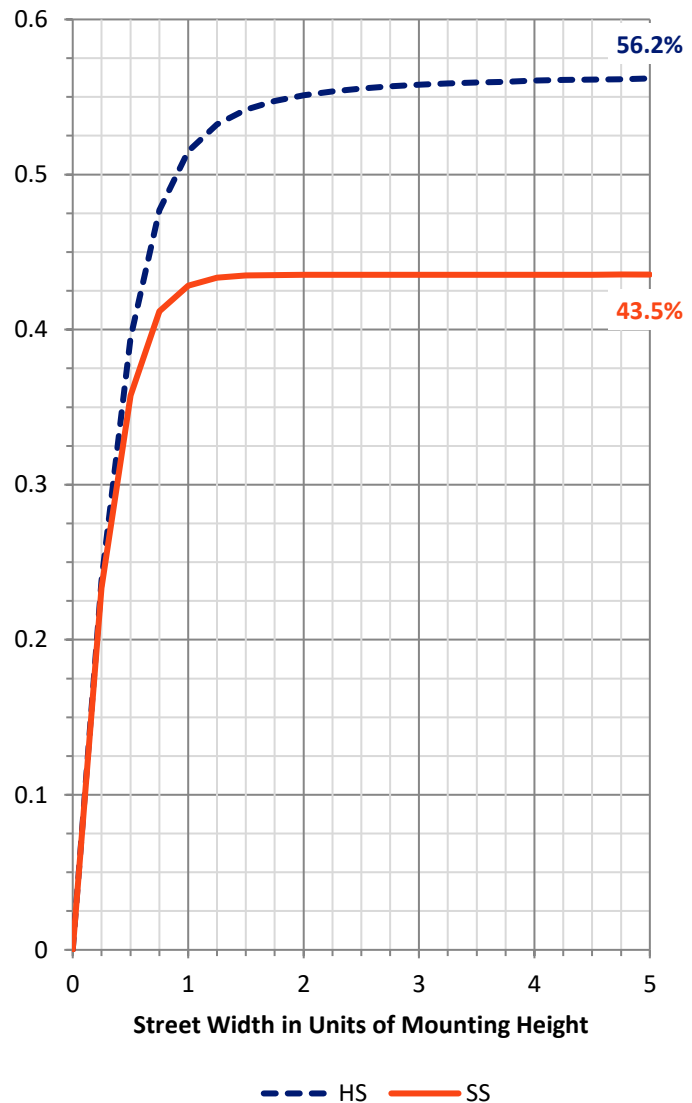
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16203.1	0.0	16203.1
	% Fixture	56.7	0.0	56.7
Street Side	Lumens	12351.7	0.0	12351.7
	% Fixture	43.3	0.0	43.3
Total	Lumens	28554.8	0.0	28554.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3097.9	10.8
10°-20°	7384.6	25.9
20°-30°	7521.1	26.3
30°-40°	5608.5	19.6
40°-50°	2930.0	10.3
50°-60°	1232.4	4.3
60°-70°	503.3	1.8
70°-80°	211.8	0.7
80°-90°	65.3	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°	28554.8	100.0
0°-180°	28554.8	100.0

Coefficient of Utilization



REPORT NUMBER: P638758

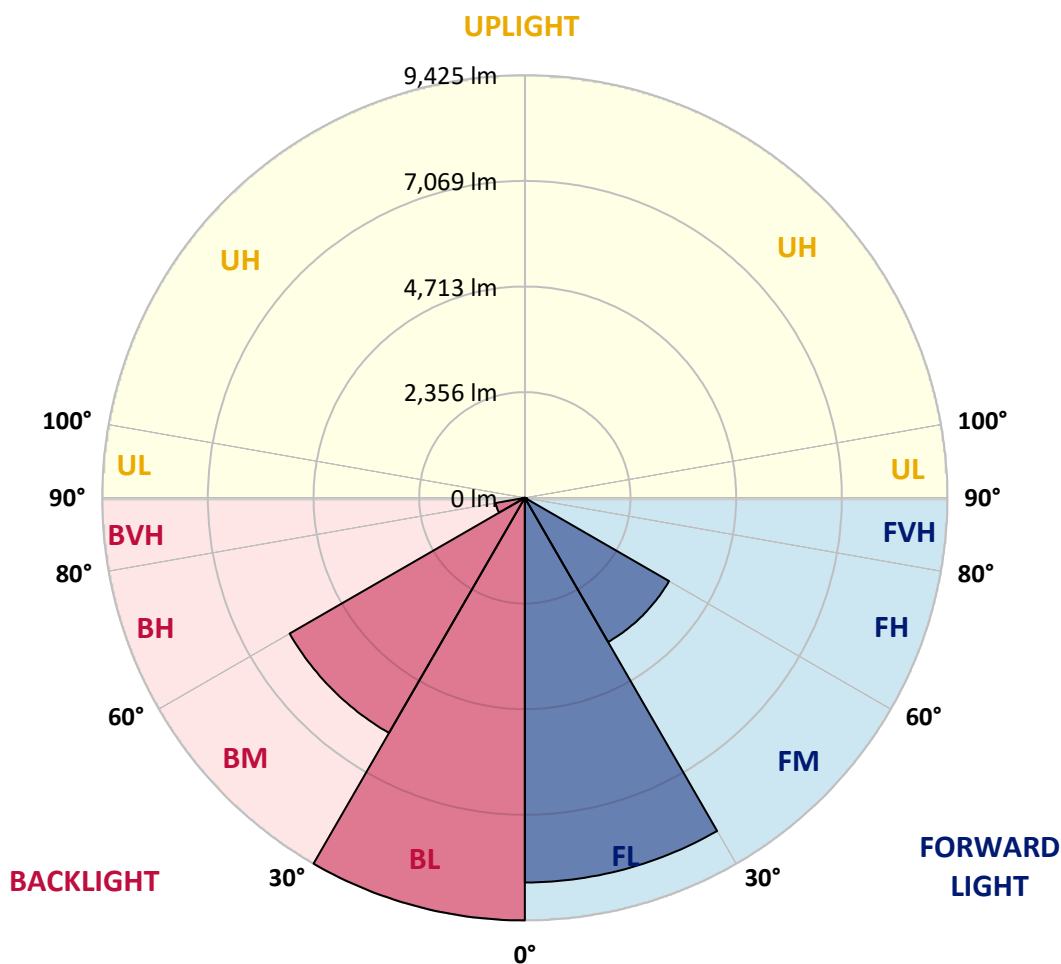
CATALOG NUMBER: EPH-VN-06-E-930-U-66-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	8578.2	30.0			
FM	(30°-60°)	3713.7	13.0			
FH	(60°-80°)	53.7	0.2			G0/660
FVH	(80°-90°)	6.1	0.0			G0/10
BL	(0°-30°)	9425.4	33.0	B5		
BM	(30°-60°)	6057.2	21.2	B4/8500		
BH	(60°-80°)	661.4	2.3	B2/1000		G2/1000
BVH	(80°-90°)	59.2	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type I Short



REPORT NUMBER: P638758

CATALOG NUMBER: EPH-VN-06-E-930-U-66-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	34116.1	34116.1	34116.1	34116.1	34116.1	34116.1	34116.1	34116.1	34116.1	34116.1
2.5°	34119.7	33980.4	33782.3	33763.9	33866.6	34090.4	33947.3	33954.7	33866.6	34017.0
5°	33584.2	33452.2	33316.4	33136.7	33287.1	33382.5	33309.1	33228.4	33114.7	33261.4
7.5°	32571.8	32498.5	32296.7	32216.0	32307.7	32414.1	32256.4	32234.4	32076.7	32267.4
10°	31023.9	30994.6	30796.5	30748.8	30829.5	30990.9	30921.2	30906.6	30807.5	30789.2
12.5°	29417.4	29303.7	29057.9	29043.2	29164.3	29406.4	29219.3	29039.6	29094.6	29142.3
15°	25279.9	25158.8	25767.7	26725.0	27227.6	27209.2	27264.2	27047.8	26981.8	27003.8
17.5°	20097.0	19891.6	20111.6	21593.5	23981.4	25367.9	24986.4	24520.6	24271.2	24106.1
20°	17346.0	17357.0	17316.6	17698.1	19187.3	22349.1	22257.4	21358.8	21032.3	20896.6
22.5°	15673.4	15611.0	15523.0	15644.0	16043.8	17899.8	19143.3	18318.0	18204.3	18053.9
25°	14033.8	14033.8	13927.4	14048.4	14162.1	14187.8	15434.9	15772.4	15552.3	15552.3
27.5°	12614.3	12540.9	12493.2	12548.2	12397.8	11675.2	11833.0	13560.6	13410.2	13318.5
30°	11205.7	11183.7	11103.0	11176.4	10618.9	9804.6	9474.4	11444.2	11601.9	11568.9
32.5°	9250.7	9338.7	9698.2	9811.9	8858.2	8201.6	7886.2	9500.1	10131.0	10105.3
35°	6287.0	6360.3	6771.1	8128.3	7343.3	6873.8	6782.1	7556.1	8594.1	8693.2
37.5°	5006.8	4995.8	5113.2	5355.3	5901.8	5788.1	5762.4	5964.2	7009.5	7053.6
40°	4126.5	4111.8	4108.2	3910.1	3774.4	4812.4	4742.7	4621.7	5527.7	5615.7
42.5°	3326.9	3341.5	3352.6	2919.7	2721.7	3712.0	3671.7	3547.0	4335.6	4438.3
45°	2611.6	2607.9	2630.0	2175.1	2120.1	2373.2	2743.7	2644.6	3271.9	3381.9
47.5°	1353.5	1401.2	1698.3	1683.6	1709.3	1683.6	2076.1	2050.4	2461.2	2637.3
50°	909.7	924.3	950.0	953.7	1346.2	1239.8	1408.5	1595.6	1724.0	1995.4
52.5°	704.3	715.3	649.2	608.9	825.3	917.0	924.3	1104.1	1203.1	1478.2
55°	392.5	440.2	473.2	476.8	454.8	678.6	674.9	818.0	895.0	1078.4
57.5°	51.4	62.4	95.4	308.1	304.4	377.8	473.2	594.2	638.2	788.6
60°	3.7	7.3	11.0	47.7	201.7	220.1	322.8	370.5	443.8	553.9
62.5°	0.0	0.0	3.7	11.0	40.3	128.4	168.7	194.4	260.4	363.1
65°	0.0	0.0	3.7	7.3	14.7	47.7	66.0	106.4	154.1	223.7
67.5°	0.0	0.0	3.7	7.3	11.0	18.3	29.3	47.7	80.7	135.7
70°	0.0	0.0	3.7	7.3	11.0	14.7	22.0	29.3	44.0	73.4
72.5°	0.0	0.0	3.7	3.7	7.3	18.3	18.3	22.0	29.3	40.3
75°	0.0	0.0	3.7	7.3	11.0	18.3	18.3	18.3	22.0	25.7
77.5°	0.0	0.0	3.7	7.3	11.0	18.3	14.7	18.3	18.3	18.3
80°	0.0	0.0	3.7	7.3	11.0	18.3	22.0	18.3	14.7	14.7
82.5°	0.0	0.0	3.7	11.0	11.0	25.7	25.7	25.7	11.0	11.0
85°	0.0	0.0	7.3	11.0	18.3	29.3	29.3	22.0	11.0	7.3
87.5°	0.0	0.0	3.7	7.3	7.3	14.7	22.0	18.3	7.3	3.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P638758

CATALOG NUMBER: EPH-VN-06-E-930-U-66-VI

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
34116.1	0°	34116.1	34116.1	34116.1	34116.1	34116.1	34116.1	34116.1	34116.1	34116.1
33797.0	2.5°	34068.4	33976.7	34149.1	34171.1	34097.7	34006.0	33793.3	33774.9	33404.5
33048.7	5°	33422.8	33272.4	33382.5	33455.8	33430.2	33331.1	33243.1	33162.4	32828.6
31834.6	7.5°	32219.7	32164.7	32216.0	32271.1	32377.4	32271.1	32234.4	32150.0	31819.9
30638.8	10°	30884.6	30781.9	30976.3	30950.6	30921.2	30891.9	30737.8	30752.5	30363.7
29010.2	12.5°	29245.0	29072.6	29259.6	29281.6	29259.6	29156.9	28984.5	29057.9	28702.1
26809.4	15°	27040.5	27022.2	27157.9	27245.9	27308.3	27198.2	27139.5	27176.2	26963.5
23977.7	17.5°	24333.5	24571.9	25015.8	25166.1	25169.8	25283.5	25250.5	25206.5	25048.8
20841.6	20°	21149.7	21608.2	22290.4	22991.0	23192.8	23097.4	23053.4	23134.1	22899.3
17896.2	22.5°	18211.6	18604.1	19396.4	20419.8	21010.3	21069.0	21058.0	20988.3	20896.6
15537.6	25°	15717.4	16065.8	16825.1	17760.5	18893.9	19062.6	19069.9	19047.9	18967.2
13399.2	27.5°	13611.9	14033.8	14451.9	15288.2	16495.0	17191.9	17103.9	17078.2	17048.9
11594.5	30°	11704.6	12236.4	12628.9	13149.8	14231.8	15174.5	15266.2	15222.2	15152.5
10101.7	32.5°	10193.4	10508.8	11007.7	11359.8	12137.4	13204.8	13556.9	13523.9	13461.6
8755.5	35°	8880.2	9004.9	9397.4	9789.9	10307.1	11341.5	11862.3	11789.0	11777.9
7134.3	37.5°	7314.0	7732.1	7948.6	8344.7	8707.8	9511.1	10230.1	10197.0	10200.7
5736.8	40°	5905.5	6147.6	6576.7	6910.5	7244.3	7831.2	8630.8	8652.8	8645.5
4441.9	42.5°	4533.6	4768.4	5219.6	5582.7	5879.8	6242.9	7005.9	7031.6	7064.6
3458.9	45°	3539.6	3690.0	4020.1	4397.9	4713.4	4933.5	5513.0	5678.1	5681.7
2681.3	47.5°	2747.3	2919.7	3154.5	3517.6	3825.7	3983.4	4405.3	4629.0	4618.0
2057.7	50°	2156.8	2314.5	2505.2	2791.3	3125.1	3249.8	3561.6	3781.7	3770.7
1551.6	52.5°	1650.6	1852.3	2021.1	2241.1	2567.6	2674.0	2897.7	3150.8	3114.1
1137.1	55°	1250.8	1456.2	1613.9	1797.3	2094.4	2230.1	2384.2	2585.9	2593.3
880.3	57.5°	942.7	1155.4	1298.5	1485.5	1709.3	1859.7	1977.1	2193.5	2189.8
601.6	60°	674.9	858.3	1030.7	1225.1	1397.5	1569.9	1650.6	1856.0	1863.3
425.5	62.5°	487.8	660.2	825.3	994.0	1148.1	1316.8	1390.2	1551.6	1573.6
278.8	65°	341.1	462.2	652.9	781.3	953.7	1078.4	1173.8	1313.1	1338.8
165.1	67.5°	220.1	333.8	517.2	630.9	788.6	895.0	994.0	1104.1	1137.1
106.4	70°	132.0	253.1	385.1	506.2	649.2	744.6	840.0	935.3	953.7
51.4	72.5°	84.4	176.1	278.8	410.8	520.9	623.6	707.9	777.6	722.6
33.0	75°	47.7	121.0	220.1	322.8	421.8	520.9	590.5	627.2	502.5
22.0	77.5°	29.3	88.0	179.7	260.4	326.5	418.2	462.2	484.2	359.5
14.7	80°	18.3	66.0	150.4	212.7	212.7	308.1	359.5	377.8	260.4
11.0	82.5°	14.7	47.7	117.4	161.4	143.1	231.1	282.4	286.1	183.4
7.3	85°	11.0	36.7	73.4	106.4	99.0	161.4	165.1	183.4	121.0
7.3	87.5°	7.3	22.0	44.0	62.4	55.0	77.0	88.0	99.0	66.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
34116.1
33114.7
32560.8
31750.2
30231.7
28599.4
26706.7
24814.0
22730.6
20720.5
18695.8
16876.5
15064.5
13296.5
11656.9
10083.3
8517.1
6954.5
5586.4
4577.7
3770.7
3117.8
2593.3
2182.5
1845.0
1566.2
1331.5
1133.4
939.0
671.2
476.8
337.5
242.1
168.7
110.0
58.7
0.0

(END OF REPORT)