

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: P638761

Luminaire Tested: **EPH-VN-08-E-930-U-66-VI**

Issue Date: 11/2/2022

Test Information

Test Method: LM-79-08
Report Number: P638761
Test Lab: INNOVATION CENTER(G2)
Issue Date: 11/2/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-VN-08-E-930-U-66-VI
Description: EPHESUS LUMAVISION FLOOD – Middle Tier Light Square Luminaire w/
Nema 6 distribution lens and Visor
Light Source: (128) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36947.9 lumens
Efficiency: N/A
Efficacy: 58.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G2

Input Watts (W): 626.8
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



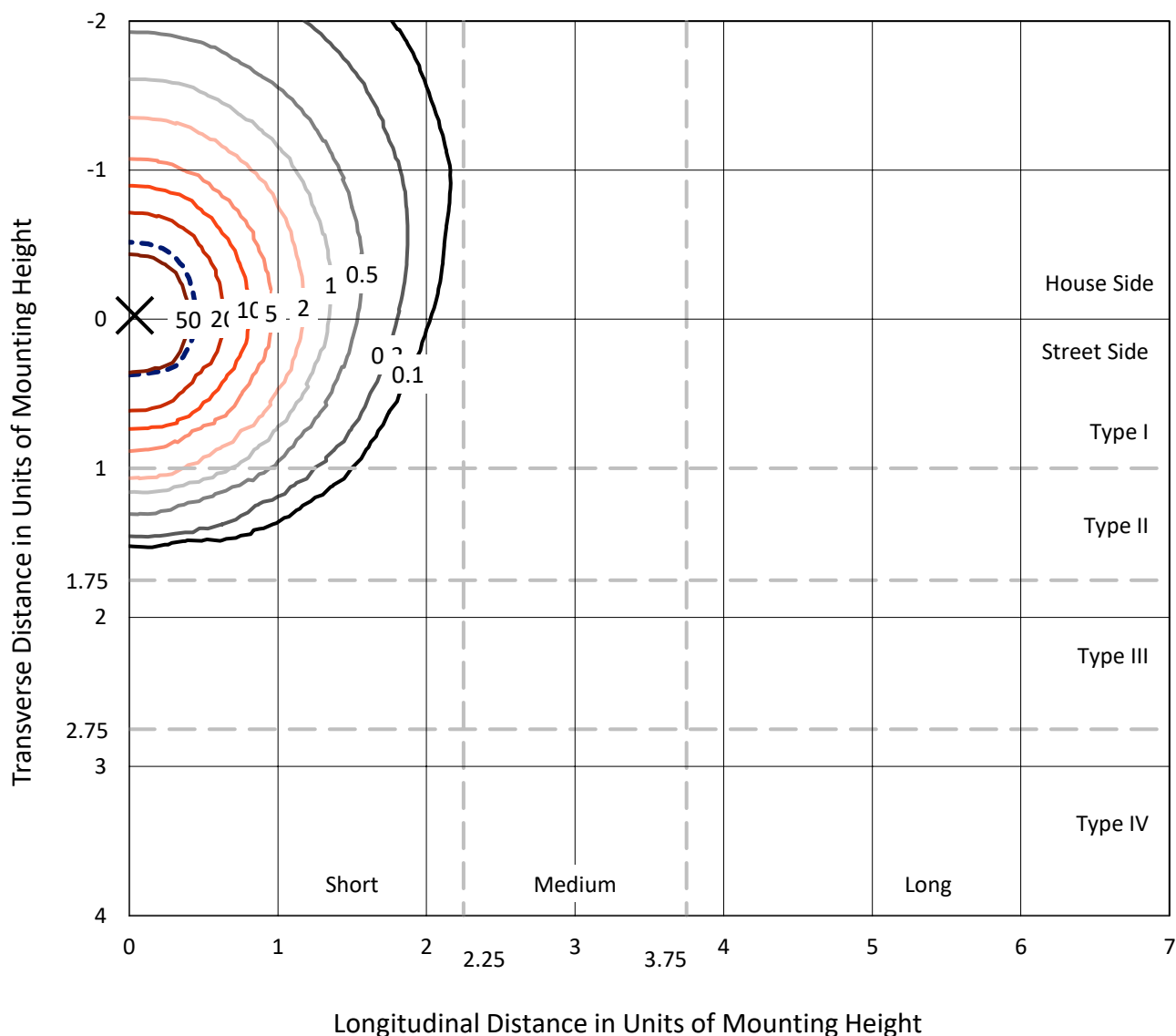
REPORT NUMBER: P638761

CATALOG NUMBER: EPH-VN-08-E-930-U-66-VI

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

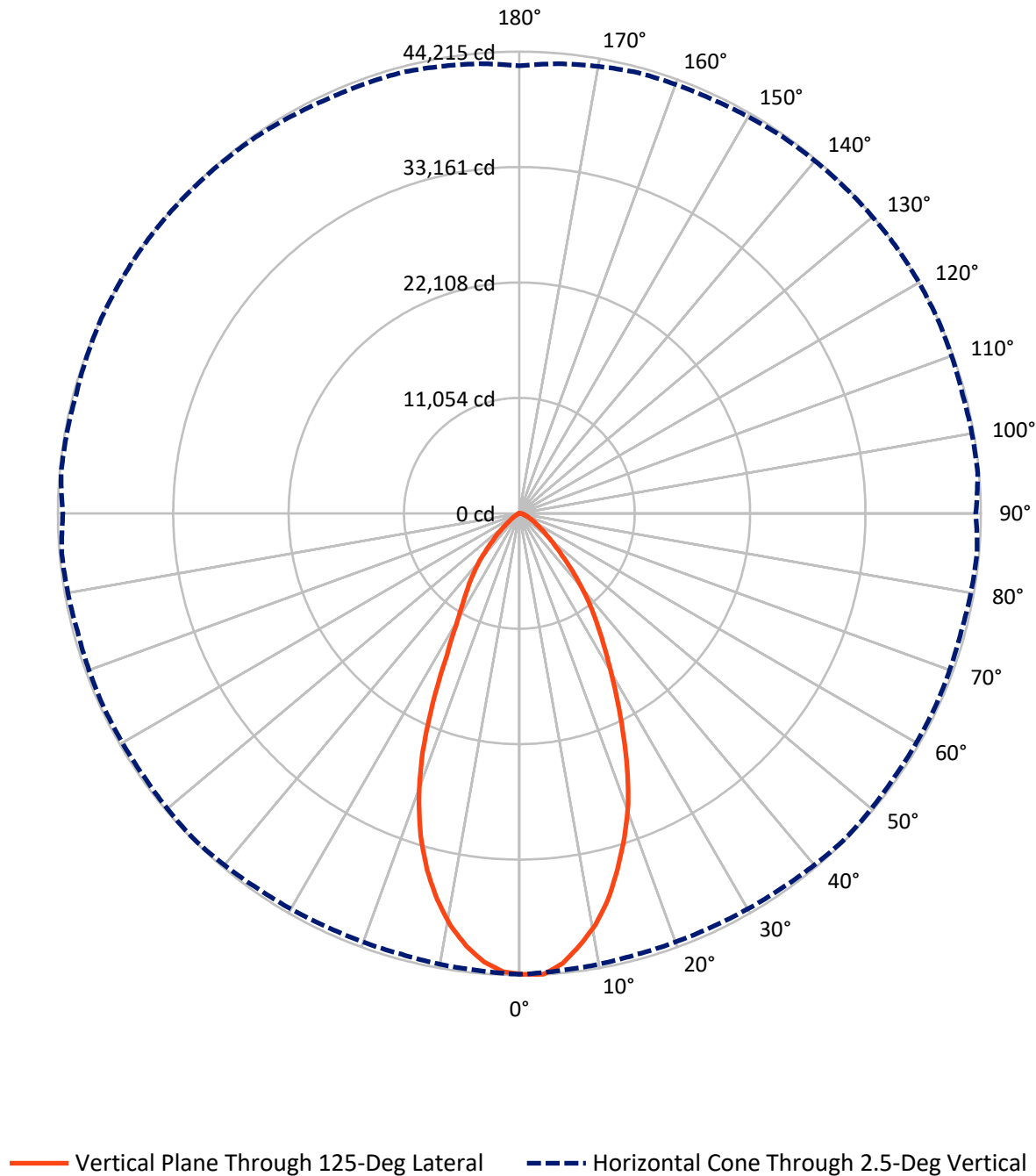


Based on 20 foot mounting height. Maximum calculated value = 110.4 fc

Type I - Short - N/A

REPORT NUMBER: P638761
CATALOG NUMBER: EPH-VN-08-E-930-U-66-VI

Luminous Intensity Polar Plot



REPORT NUMBER: P638761

CATALOG NUMBER: EPH-VN-08-E-930-U-66-VI

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20965.7	0.0	20965.7
	% Fixture	56.7	0.0	56.7
Street Side	Lumens	15982.2	0.0	15982.2
	% Fixture	43.3	0.0	43.3
Total	Lumens	36947.9	0.0	36947.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4008.4	10.8
10°-20°	9555.2	25.9
20°-30°	9731.8	26.3
30°-40°	7256.9	19.6
40°-50°	3791.2	10.3
50°-60°	1594.6	4.3
60°-70°	651.2	1.8
70°-80°	274.1	0.7
80°-90°	84.4	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°	36947.9	100.0
0°-180°	36947.9	100.0

Coefficient of Utilization



REPORT NUMBER: P638761

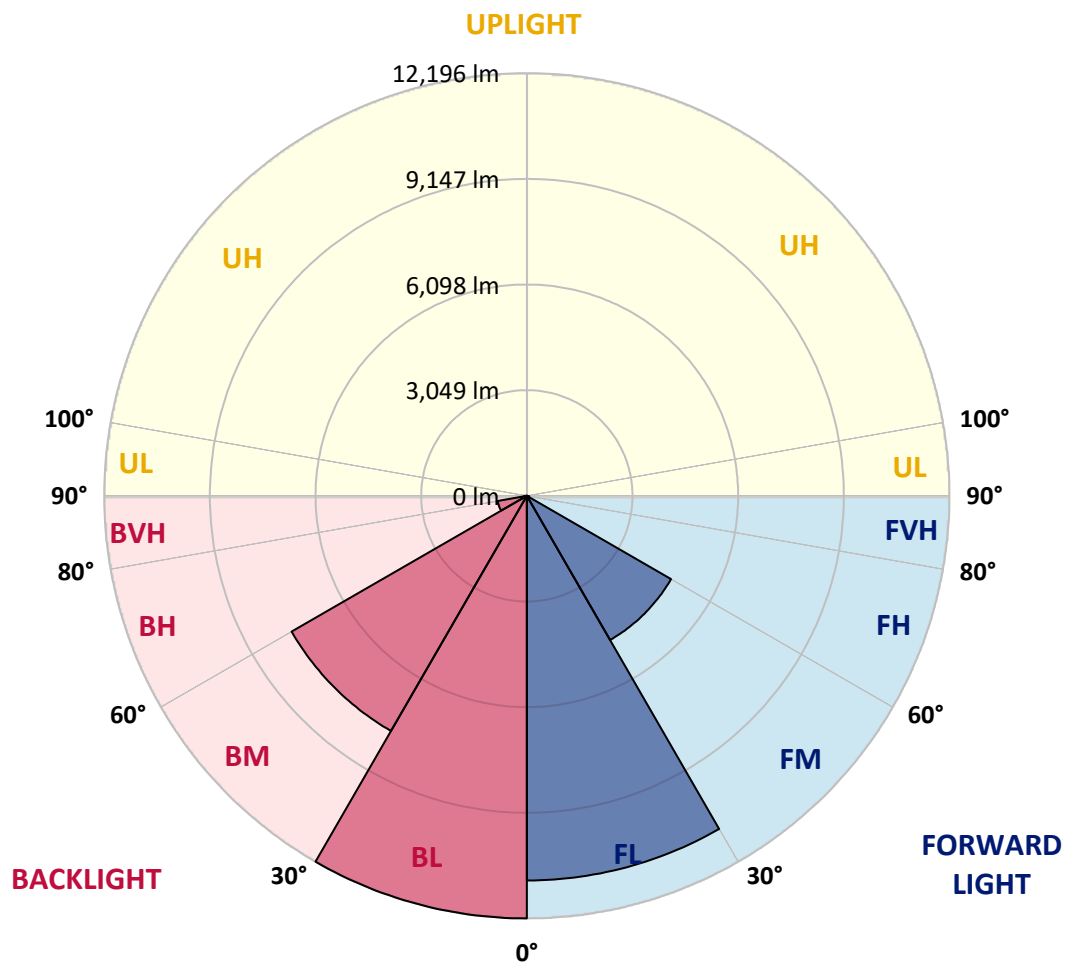
CATALOG NUMBER: EPH-VN-08-E-930-U-66-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	11099.6	30.0			
FM	(30°-60°)	4805.2	13.0			
FH	(60°-80°)	69.5	0.2			G0/660
FVH	(80°-90°)	7.8	0.0			G0/10
BL	(0°-30°)	12195.8	33.0	B5		
BM	(30°-60°)	7837.5	21.2	B4/8500		
BH	(60°-80°)	855.8	2.3	B2/1000		G2/1000
BVH	(80°-90°)	76.6	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: P638761

CATALOG NUMBER: EPH-VN-08-E-930-U-66-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	44143.8	44143.8	44143.8	44143.8	44143.8	44143.8	44143.8	44143.8	44143.8	44143.8
2.5°	44148.5	43968.2	43711.9	43688.1	43821.0	44110.5	43925.4	43934.9	43821.0	44015.6
5°	43455.6	43284.7	43109.1	42876.5	43071.1	43194.5	43099.6	42995.2	42848.1	43037.9
7.5°	42145.6	42050.7	41789.7	41685.3	41803.9	41941.6	41737.5	41709.0	41504.9	41751.7
10°	40142.8	40104.8	39848.5	39786.8	39891.2	40100.1	40009.9	39990.9	39862.8	39839.0
12.5°	38064.0	37916.8	37598.8	37579.9	37736.5	38049.7	37807.7	37575.1	37646.3	37708.0
15°	32710.3	32553.7	33341.6	34580.3	35230.5	35206.8	35278.0	34998.0	34912.5	34941.0
17.5°	26004.1	25738.3	26023.0	27940.5	31030.2	32824.2	32330.6	31727.9	31405.1	31191.6
20°	22444.5	22458.7	22406.5	22900.1	24827.0	28918.2	28799.5	27636.7	27214.3	27038.7
22.5°	20280.2	20199.5	20085.6	20242.2	20759.6	23161.1	24770.1	23702.2	23555.0	23360.5
25°	18158.7	18158.7	18021.1	18177.7	18324.8	18358.0	19971.7	20408.4	20123.6	20123.6
27.5°	16321.9	16227.0	16165.3	16236.5	16041.9	15106.9	15311.0	17546.4	17351.9	17233.2
30°	14499.4	14471.0	14366.5	14461.5	13740.0	12686.4	12259.3	14807.9	15012.0	14969.3
32.5°	11969.7	12083.6	12548.8	12695.9	11461.9	10612.3	10204.2	12292.5	13108.8	13075.6
35°	8134.9	8229.8	8761.4	10517.4	9501.8	8894.2	8775.6	9777.0	11120.2	11248.3
37.5°	6478.5	6464.2	6616.1	6929.4	7636.5	7489.4	7456.2	7717.2	9069.9	9126.8
40°	5339.4	5320.4	5315.7	5059.4	4883.8	6226.9	6136.7	5980.1	7152.4	7266.3
42.5°	4304.7	4323.7	4338.0	3777.9	3521.6	4803.1	4750.9	4589.5	5609.9	5742.8
45°	3379.2	3374.5	3403.0	2814.5	2743.3	3070.7	3550.1	3422.0	4233.5	4375.9
47.5°	1751.3	1813.0	2197.5	2178.5	2211.7	2178.5	2686.3	2653.1	3184.7	3412.5
50°	1177.0	1196.0	1229.2	1234.0	1741.8	1604.2	1822.5	2064.6	2230.7	2581.9
52.5°	911.3	925.5	840.1	787.9	1067.9	1186.5	1196.0	1428.6	1556.7	1912.7
55°	507.8	569.5	612.3	617.0	588.5	878.0	873.3	1058.4	1158.1	1395.4
57.5°	66.4	80.7	123.4	398.7	393.9	488.9	612.3	768.9	825.8	1020.4
60°	4.7	9.5	14.2	61.7	261.0	284.8	417.7	479.4	574.3	716.7
62.5°	0.0	0.0	4.7	14.2	52.2	166.1	218.3	251.5	337.0	469.9
65°	0.0	0.0	4.7	9.5	19.0	61.7	85.4	137.6	199.3	289.5
67.5°	0.0	0.0	4.7	9.5	14.2	23.7	38.0	61.7	104.4	175.6
70°	0.0	0.0	4.7	9.5	14.2	19.0	28.5	38.0	57.0	94.9
72.5°	0.0	0.0	4.7	4.7	9.5	23.7	23.7	28.5	38.0	52.2
75°	0.0	0.0	4.7	9.5	14.2	23.7	23.7	23.7	28.5	33.2
77.5°	0.0	0.0	4.7	9.5	14.2	23.7	19.0	23.7	23.7	23.7
80°	0.0	0.0	4.7	9.5	14.2	23.7	28.5	23.7	19.0	19.0
82.5°	0.0	0.0	4.7	14.2	14.2	33.2	33.2	33.2	14.2	14.2
85°	0.0	0.0	9.5	14.2	23.7	38.0	38.0	28.5	14.2	9.5
87.5°	0.0	0.0	4.7	9.5	9.5	19.0	28.5	23.7	9.5	4.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P638761

CATALOG NUMBER: EPH-VN-08-E-930-U-66-VI

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
44143.8	0°	44143.8	44143.8	44143.8	44143.8	44143.8	44143.8	44143.8	44143.8	44143.8
43730.9	2.5°	44082.1	43963.4	44186.5	44215.0	44120.0	44001.4	43726.1	43702.4	43223.0
42762.6	5°	43246.7	43052.2	43194.5	43289.5	43256.2	43128.1	43014.2	42909.8	42477.9
41191.7	7.5°	41690.0	41618.8	41685.3	41756.5	41894.1	41756.5	41709.0	41599.8	41172.7
39644.4	10°	39962.4	39829.5	40081.1	40047.9	40009.9	39971.9	39772.6	39791.6	39288.5
37537.2	12.5°	37840.9	37617.8	37859.9	37888.4	37859.9	37727.0	37503.9	37598.8	37138.5
34689.5	15°	34988.5	34964.7	35140.4	35254.3	35334.9	35192.6	35116.6	35164.1	34888.8
31025.5	17.5°	31485.8	31794.3	32368.6	32563.2	32568.0	32715.1	32672.4	32615.4	32411.3
26967.5	20°	27366.2	27959.5	28842.2	29748.7	30009.8	29886.4	29829.4	29933.8	29630.1
23156.4	22.5°	23564.5	24072.4	25097.5	26421.7	27185.8	27261.8	27247.5	27157.4	27038.7
20104.6	25°	20337.2	20788.1	21770.5	22980.8	24447.3	24665.6	24675.1	24646.7	24542.2
17337.6	27.5°	17612.9	18158.7	18699.8	19781.9	21343.4	22245.1	22131.2	22098.0	22060.0
15002.5	30°	15144.9	15833.1	16340.9	17014.9	18415.0	19634.7	19753.4	19696.4	19606.3
13070.8	32.5°	13189.5	13597.7	14243.1	14698.8	15704.9	17086.1	17541.7	17499.0	17418.3
11329.0	35°	11490.4	11651.8	12159.6	12667.4	13336.6	14675.0	15349.0	15254.1	15239.8
9231.2	37.5°	9463.8	10004.8	10284.9	10797.4	11267.3	12306.7	13237.0	13194.2	13199.0
7422.9	40°	7641.3	7954.5	8509.8	8941.7	9373.6	10133.0	11167.6	11196.1	11186.6
5747.6	42.5°	5866.2	6170.0	6753.7	7223.6	7608.0	8077.9	9065.1	9098.3	9141.0
4475.6	45°	4580.0	4774.6	5201.8	5690.6	6098.8	6383.5	7133.4	7347.0	7351.8
3469.4	47.5°	3554.9	3777.9	4081.7	4551.5	4950.2	5154.3	5700.1	5989.6	5975.4
2662.6	50°	2790.7	2994.8	3241.6	3611.8	4043.7	4205.1	4608.5	4893.3	4879.0
2007.6	52.5°	2135.8	2396.8	2615.1	2899.9	3322.3	3459.9	3749.4	4076.9	4029.5
1471.3	55°	1618.4	1884.2	2088.3	2325.6	2710.0	2885.6	3085.0	3346.0	3355.5
1139.1	57.5°	1219.8	1495.0	1680.1	1922.2	2211.7	2406.3	2558.2	2838.2	2833.4
778.4	60°	873.3	1110.6	1333.7	1585.2	1808.3	2031.3	2135.8	2401.5	2411.0
550.6	62.5°	631.2	854.3	1067.9	1286.2	1485.5	1703.9	1798.8	2007.6	2036.1
360.7	65°	441.4	598.0	844.8	1010.9	1234.0	1395.4	1518.8	1699.1	1732.3
213.6	67.5°	284.8	431.9	669.2	816.3	1020.4	1158.1	1286.2	1428.6	1471.3
137.6	70°	170.9	327.5	498.3	655.0	840.1	963.5	1086.9	1210.3	1234.0
66.4	72.5°	109.2	227.8	360.7	531.6	674.0	806.8	916.0	1006.2	935.0
42.7	75°	61.7	156.6	284.8	417.7	545.8	674.0	764.1	811.6	650.2
28.5	77.5°	38.0	113.9	232.6	337.0	422.4	541.1	598.0	626.5	465.1
19.0	80°	23.7	85.4	194.6	275.3	275.3	398.7	465.1	488.9	337.0
14.2	82.5°	19.0	61.7	151.9	208.8	185.1	299.0	365.5	370.2	237.3
9.5	85°	14.2	47.5	94.9	137.6	128.1	208.8	213.6	237.3	156.6
9.5	87.5°	9.5	28.5	57.0	80.7	71.2	99.7	113.9	128.1	85.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
44143.8
42848.1
42131.4
41082.5
39117.6
37005.6
34556.6
32107.6
29411.8
26810.9
24191.0
21836.9
19492.4
17204.7
15083.2
13047.1
11020.5
8998.7
7228.4
5923.2
4879.0
4034.2
3355.5
2823.9
2387.3
2026.6
1722.8
1466.6
1215.0
868.5
617.0
436.6
313.2
218.3
142.4
75.9
0.0

(END OF REPORT)