

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: LUMARK

Report Number: P285747

Luminaire Tested: **PRV-XL-C125-D-UNV-T2-BZ-7030**

Issue Date: 2/13/2019

Test Information

Test Method: LM-79-08
Report Number: P285747
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1902-125-5)
Test Lab: INNOVATIONS CENTER(G2)
Issue Date: 2/13/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: PRV-XL-C125-D-UNV-T2-BZ-7030
Description: PREVAIL XL AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3000K LEDS AND TYPE II OPTICS, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35840 lumens
Efficiency: N/A
Efficacy: 135.8 lumens/watt
Luminous Opening: Rectangular (W 1.29' x L: 1.79' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G4

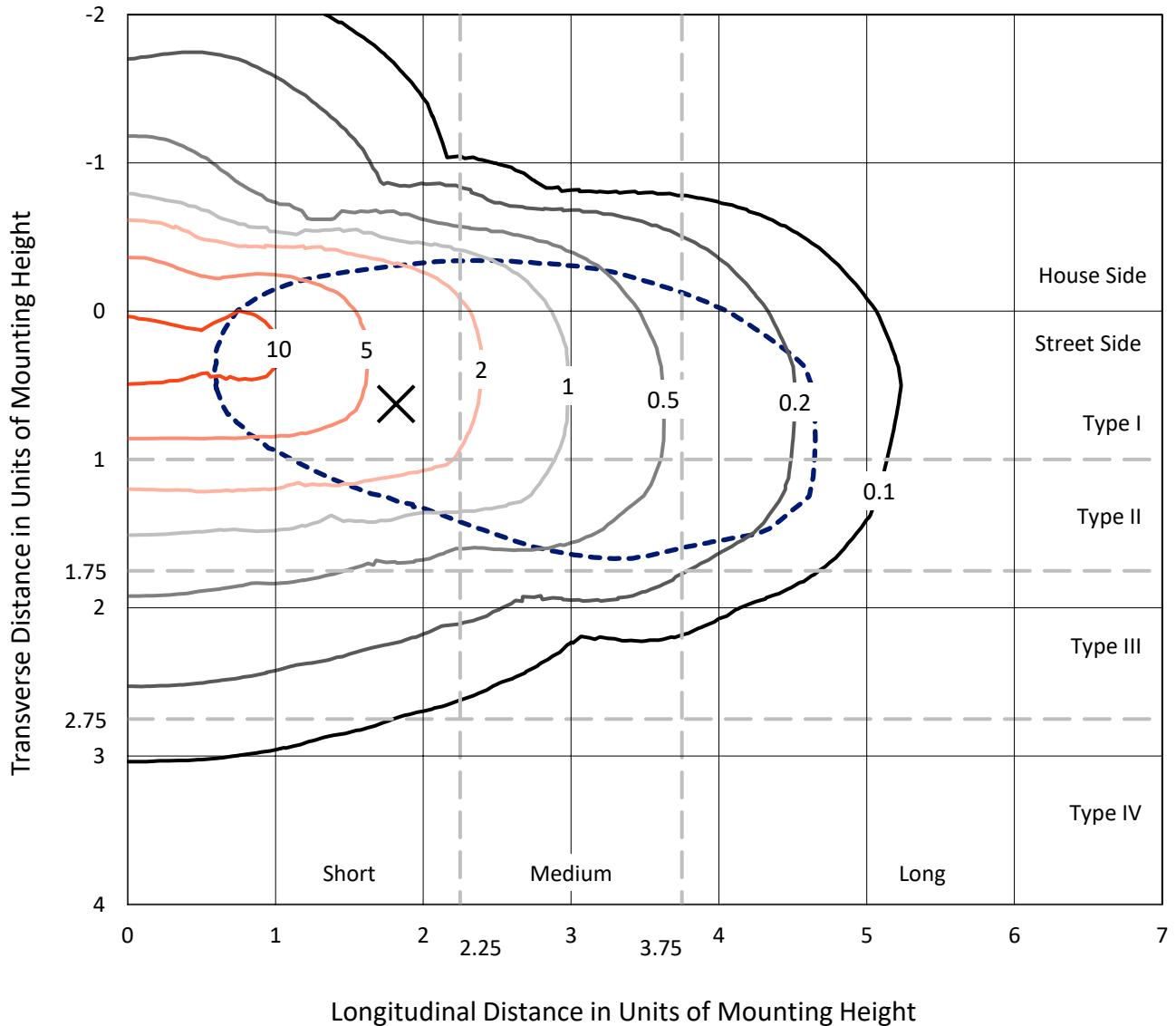
Input Watts (W): 264
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

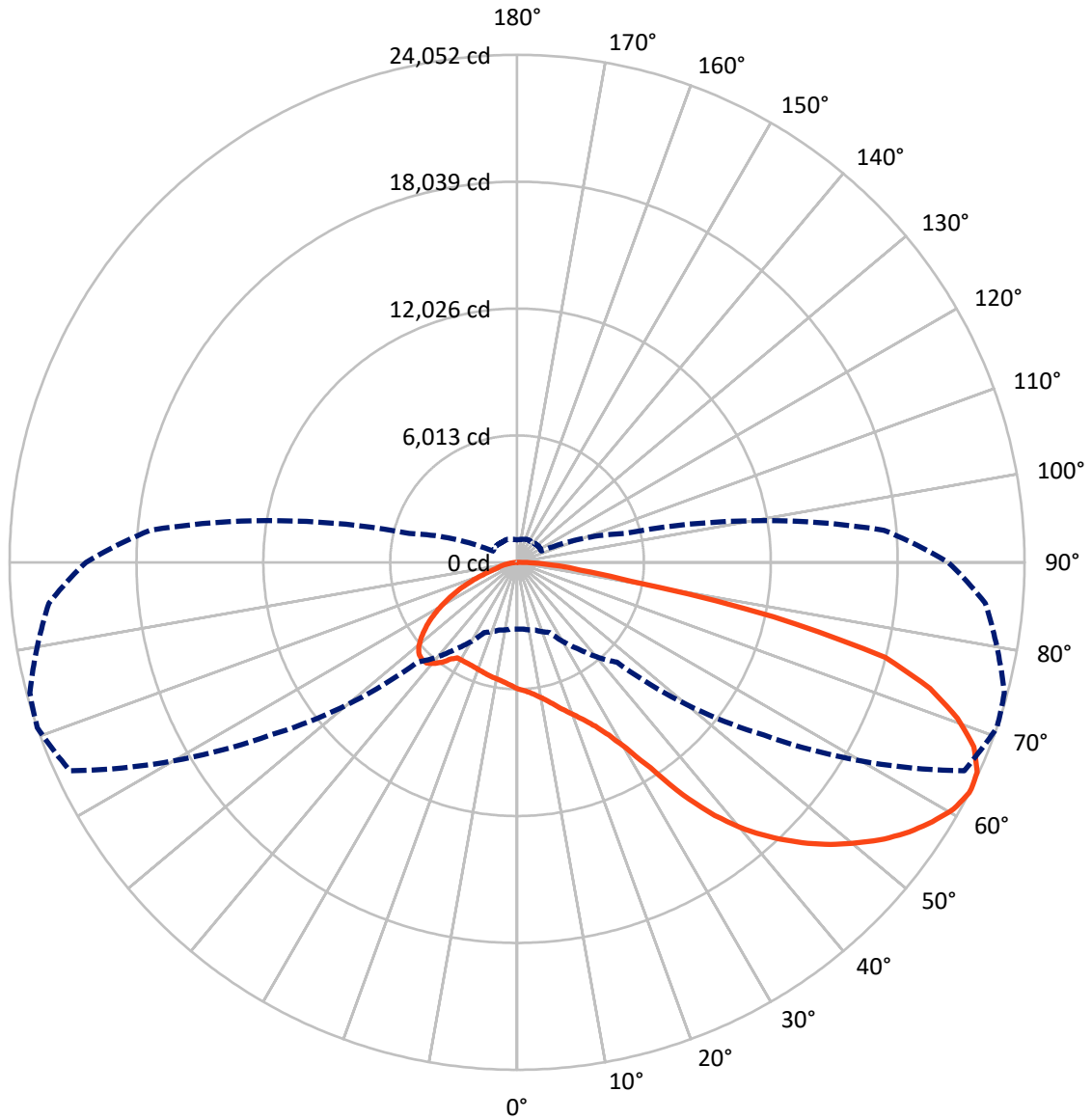
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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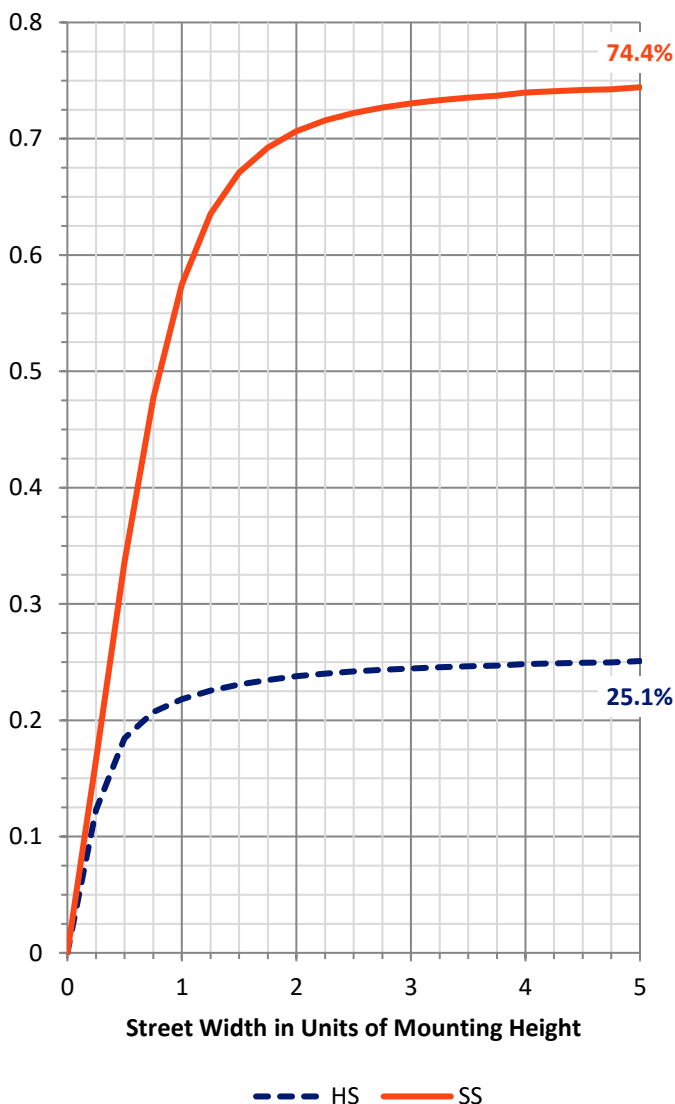
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9152.5	0.0	9152.5
	% Fixture	25.5	0.0	25.5
Street Side	Lumens	26687.5	0.0	26687.5
	% Fixture	74.5	0.0	74.5
Total	Lumens	35840.0	0.0	35840.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	578.9	1.6
10°-20°	1771.7	4.9
20°-30°	3003.5	8.4
30°-40°	4526.9	12.6
40°-50°	6218.9	17.4
50°-60°	7230.1	20.2
60°-70°	7134.1	19.9
70°-80°	4561.7	12.7
80°-90°	814.3	2.3
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°	35840.0	100.0
0°-180°	35840.0	100.0

Coefficient of Utilization

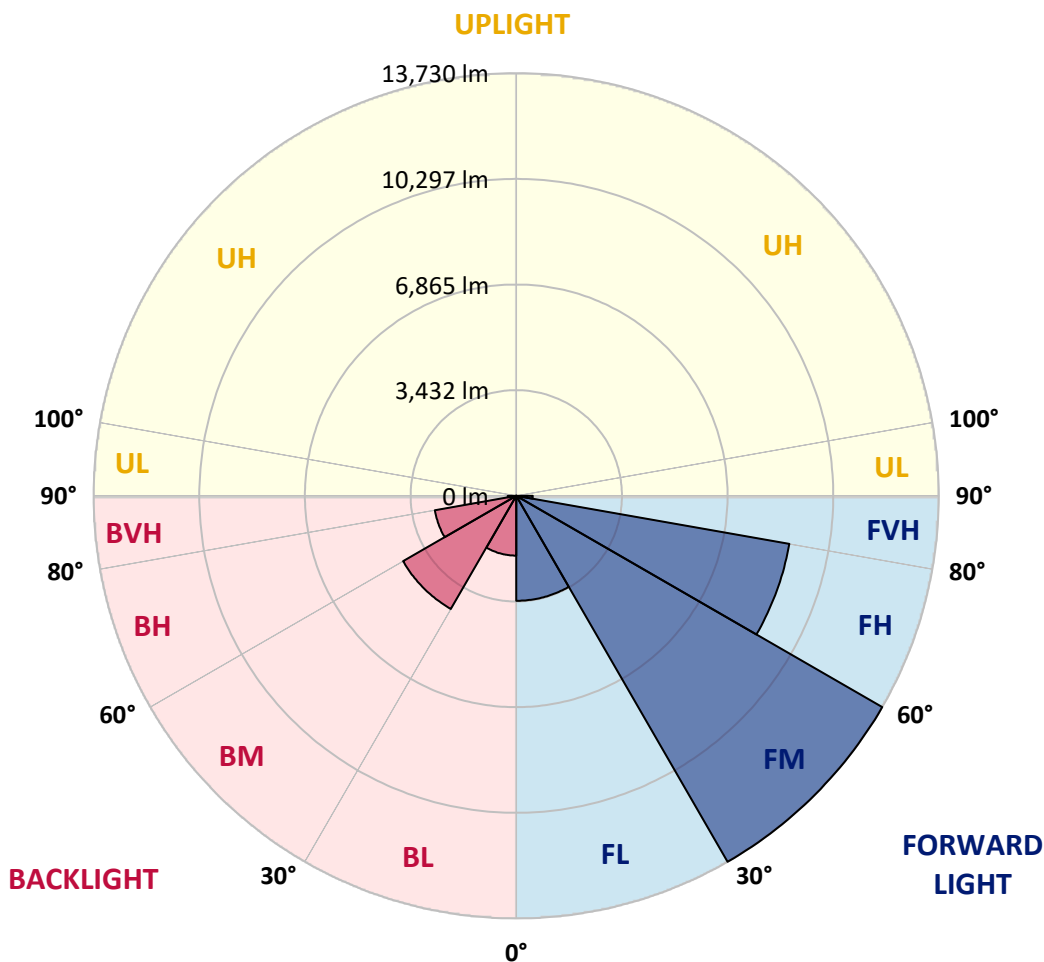


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3411.1	9.5			
FM (30°-60°)	13729.6	38.3			
FH (60°-80°)	9008.6	25.1			G4/12000
FVH (80°-90°)	538.1	1.5			G4/750
BL (0°-30°)	1943.0	5.4	B3/2500		
BM (30°-60°)	4246.2	11.8	B3/5000		
BH (60°-80°)	2687.1	7.5	B4/5000		G4/5000
BVH (80°-90°)	276.2	0.8			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	6008.6	6008.6	6008.6	6008.6	6008.6	6008.6	6008.6	6008.6	6008.6	6008.6	6008.6
2.5°	6405.7	6393.4	6378.4	6352.5	6322.5	6287.0	6250.1	6166.9	6080.9	6053.6	5995.0
5°	6757.8	6734.6	6715.5	6690.9	6633.6	6561.3	6464.4	6327.9	6194.2	6151.9	6030.4
7.5°	7068.9	7043.0	7008.9	6976.1	6913.4	6820.6	6689.6	6516.3	6355.2	6281.5	6083.7
10°	7346.0	7321.4	7303.7	7266.8	7216.3	7104.4	6948.9	6731.9	6544.9	6442.6	6168.3
12.5°	7653.0	7632.5	7595.7	7553.4	7486.5	7378.7	7223.2	6987.1	6787.8	6663.6	6297.9
15°	7965.5	7951.9	7886.4	7861.8	7786.8	7662.6	7524.7	7281.8	7078.5	6924.3	6483.5
17.5°	8242.6	8233.0	8192.1	8163.4	8102.0	7962.8	7820.9	7598.4	7391.0	7194.5	6689.6
20°	8420.0	8433.6	8425.4	8420.0	8415.9	8301.2	8160.7	7931.4	7722.6	7527.5	6910.6
22.5°	8585.1	8590.5	8612.4	8662.9	8735.2	8684.7	8533.2	8321.7	8108.8	7875.5	7197.2
25°	8636.9	8641.0	8725.6	8878.5	9081.8	9103.7	8979.5	8837.5	8605.6	8376.3	7590.2
27.5°	8679.2	8690.2	8796.6	9064.1	9421.6	9525.3	9480.3	9433.9	9270.1	9030.0	8118.4
30°	8667.0	8669.7	8845.7	9189.6	9691.8	9971.6	10039.8	10263.6	10222.7	10058.9	9002.7
32.5°	8441.8	8421.3	8676.5	9192.4	9903.3	10419.2	10734.4	11371.7	11613.3	11656.9	10771.3
35°	7983.3	7983.3	8365.4	9085.9	10056.2	10861.3	11525.9	12720.0	13534.7	13556.5	12452.5
37.5°	7601.2	7625.7	8054.2	8886.7	10127.2	11310.3	12433.4	14368.5	15228.3	15154.6	13856.8
40°	7220.4	7250.4	7689.9	8615.1	10084.8	11697.9	13313.6	15940.6	16655.7	16486.5	15053.6
42.5°	6798.7	6821.9	7234.1	8228.9	9938.8	11980.4	14259.3	17282.1	17851.1	17645.1	16145.3
45°	6377.1	6416.6	6787.8	7710.3	9653.6	12149.6	15070.0	18499.3	18960.6	18723.2	17138.8
47.5°	5756.1	5909.0	6341.6	7198.6	9136.4	12137.3	15789.1	19592.4	19984.1	19731.6	18034.0
50°	4493.8	4583.9	5537.8	6734.6	8454.1	11893.0	16356.8	20568.2	20903.9	20680.1	18938.8
52.5°	4081.7	4106.3	4414.7	6165.5	7698.1	11409.9	16777.1	21470.2	21797.7	21541.2	19757.6
55°	3870.2	3883.8	4035.3	5041.1	7056.7	10520.2	16968.2	22304.0	22551.0	22261.7	20450.8
57.5°	3582.2	3624.5	3836.1	4297.3	6400.3	9262.0	16721.2	22959.1	23206.1	22892.2	21114.0
60°	3369.3	3395.3	3576.8	3934.3	5640.1	7790.9	15866.9	23432.6	23765.6	23476.3	21729.5
62.5°	3159.2	3174.2	3327.0	3670.9	4986.5	6696.4	14271.6	23378.0	24052.2	23907.5	22275.4
63°	3115.5	3129.2	3282.0	3623.2	4889.6	6472.6	13935.9	23309.8	24052.2	23951.2	22343.6
65°	2921.7	2938.1	3089.6	3400.7	4484.3	5910.3	12437.5	22885.4	23966.2	24013.9	22440.5
67.5°	2633.8	2661.1	2786.6	3058.2	3875.6	5225.3	10214.5	22441.9	23349.4	23451.7	21904.2
70°	2294.0	2299.5	2450.9	2678.8	3267.0	4444.7	7874.1	21096.3	22144.4	22189.4	20650.1
72.5°	1932.4	1947.4	2083.8	2276.3	2710.2	3680.5	5629.2	18600.3	20460.4	20714.2	18549.8
75°	1686.7	1699.0	1813.6	1948.7	2250.3	2901.3	3765.1	13563.4	18038.1	18320.6	16045.7
77.5°	1412.4	1420.6	1540.7	1633.5	1828.6	2188.9	2599.7	7156.3	12423.9	13927.7	12535.8
80°	1005.8	1007.1	1127.2	1199.5	1325.1	1345.6	1652.6	3808.8	5466.8	7064.9	8284.9
82.5°	218.3	313.9	472.2	593.6	664.6	559.5	813.3	2086.6	3020.0	3605.4	4491.1
85°	94.2	129.6	249.7	274.3	182.9	202.0	330.2	1112.2	1726.3	2055.2	2311.7
87.5°	17.7	23.2	64.1	86.0	53.2	56.0	66.9	356.2	604.5	709.6	791.5
90°	0.0	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°	180°
0°	6008.6	6008.6	6008.6	6008.6	6008.6	6008.6	6008.6	6008.6	6008.6	6008.6	6008.6
2.5°	5959.5	5943.1	5888.5	5851.7	5828.5	5798.4	5760.2	5709.7	5694.7	5659.2	5687.9
5°	5963.6	5919.9	5805.3	5722.0	5647.0	5581.5	5505.0	5432.7	5405.4	5357.7	5376.8
7.5°	5982.7	5909.0	5731.6	5604.7	5492.8	5404.1	5297.6	5208.9	5177.5	5122.9	5132.5
10°	6033.2	5918.5	5674.3	5520.1	5365.8	5236.2	5112.0	4990.6	4936.0	4888.2	4911.4
12.5°	6121.9	5954.0	5648.3	5450.5	5245.8	5087.5	4906.0	4750.4	4674.0	4612.6	4633.0
15°	6255.6	6022.2	5618.3	5350.8	5103.8	4897.8	4675.3	4478.8	4392.8	4345.1	4368.3
17.5°	6392.1	6121.9	5600.6	5229.4	4933.3	4665.8	4451.5	4265.9	4109.0	4073.5	4087.2
20°	6553.1	6224.2	5614.2	5101.1	4732.6	4416.0	4162.2	4038.0	3834.7	3763.7	3767.8
22.5°	6766.0	6383.9	5626.5	4975.6	4493.8	4140.4	3844.3	3721.4	3526.3	3400.7	3406.2
25°	7071.7	6581.8	5655.2	4859.6	4259.1	3837.4	3494.9	3290.2	3168.7	3009.1	3010.4
27.5°	7490.6	6853.3	5712.5	4750.4	4009.4	3489.4	3070.5	2841.2	2734.8	2629.7	2616.1
30°	8205.7	7302.3	5797.1	4630.3	3713.2	3069.1	2622.9	2422.3	2332.2	2246.2	2236.7
32.5°	9715.0	8392.7	5914.4	4478.8	3393.9	2591.5	2227.1	2068.8	1941.9	1857.3	1869.6
35°	11263.9	9758.7	6411.2	4298.7	3033.6	2173.9	1929.6	1733.1	1570.7	1505.2	1509.3
37.5°	12590.4	10996.4	7157.6	4103.5	2635.2	1905.1	1630.8	1441.1	1311.4	1278.7	1319.6
40°	13694.4	12013.1	7756.7	3897.5	2216.2	1678.5	1329.2	1225.5	1142.2	1132.7	1169.5
42.5°	14738.3	12931.5	8260.3	3660.0	1825.9	1386.5	1104.0	1128.6	1116.3	1114.9	1120.4
45°	15686.8	13783.1	8541.4	3306.6	1550.3	1135.4	1042.6	1135.4	1155.9	1153.1	1138.1
47.5°	16550.6	14560.9	8732.5	2794.8	1312.8	1064.4	1076.7	1139.5	1177.7	1184.5	1168.1
50°	17447.2	15321.1	8762.5	2175.3	1218.6	1120.4	1106.7	1098.6	1168.1	1166.8	1168.1
52.5°	18248.2	15973.4	8435.0	1690.8	1267.8	1179.1	1131.3	1083.5	1123.1	1124.5	1097.2
55°	18851.4	16508.3	7874.1	1482.0	1308.7	1228.2	1202.3	1106.7	1082.2	1065.8	1075.4
57.5°	19473.7	16985.9	7112.6	1387.9	1321.0	1239.1	1265.0	1112.2	1075.4	1000.3	994.8
60°	20072.8	17372.1	6210.6	1325.1	1306.0	1233.7	1225.5	1154.5	1083.5	971.6	933.4
62.5°	20437.2	17456.7	5288.1	1263.7	1277.3	1225.5	1181.8	1185.9	1136.8	1075.4	1067.2
63°	20479.5	17428.1	5112.0	1248.7	1270.5	1224.1	1181.8	1188.6	1136.8	1099.9	1101.3
65°	20426.2	17095.1	4421.5	1184.5	1245.9	1202.3	1164.1	1129.9	1045.3	1068.5	1095.8
67.5°	19828.5	16006.1	3399.4	1080.8	1191.3	1166.8	1110.8	1026.2	949.8	934.8	951.2
70°	18214.1	14222.5	2408.6	921.1	1093.1	1121.8	1097.2	970.3	893.9	880.2	913.0
72.5°	15973.4	12348.8	1654.0	736.9	915.7	1044.0	1037.1	934.8	866.6	827.0	843.4
75°	13446.0	9960.7	1155.9	620.9	705.5	940.3	983.9	904.8	852.9	816.1	810.6
77.5°	10352.3	7523.4	908.9	530.9	582.7	761.5	904.8	897.9	962.1	1135.4	1097.2
80°	7052.6	5002.8	655.0	398.5	464.0	533.6	779.2	926.6	1217.3	715.1	701.4
82.5°	4099.4	2939.5	409.4	264.7	277.0	363.0	488.5	978.5	814.7	322.1	406.7
85°	1980.1	1280.1	204.7	182.9	126.9	136.5	226.5	911.6	577.3	143.3	28.7
87.5°	631.8	311.1	21.8	16.4	19.1	27.3	107.8	556.8	339.8	122.8	17.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)