

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: P285787

Luminaire Tested: **PRV-XL-C125-D-UNV-T3-BZ-7030**

Issue Date: 2/13/2019

Test Information

Test Method: LM-79-08
Report Number: P285787
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1902-125-7)
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-T3-BZ-7030
Description: PREVAIL XL AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3000K LEDS AND TYPE III OPTICS, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35645 lumens
Efficiency: N/A
Efficacy: 135.0 lumens/watt
Luminous Opening: Rectangular (W 1.29' x L: 1.79' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

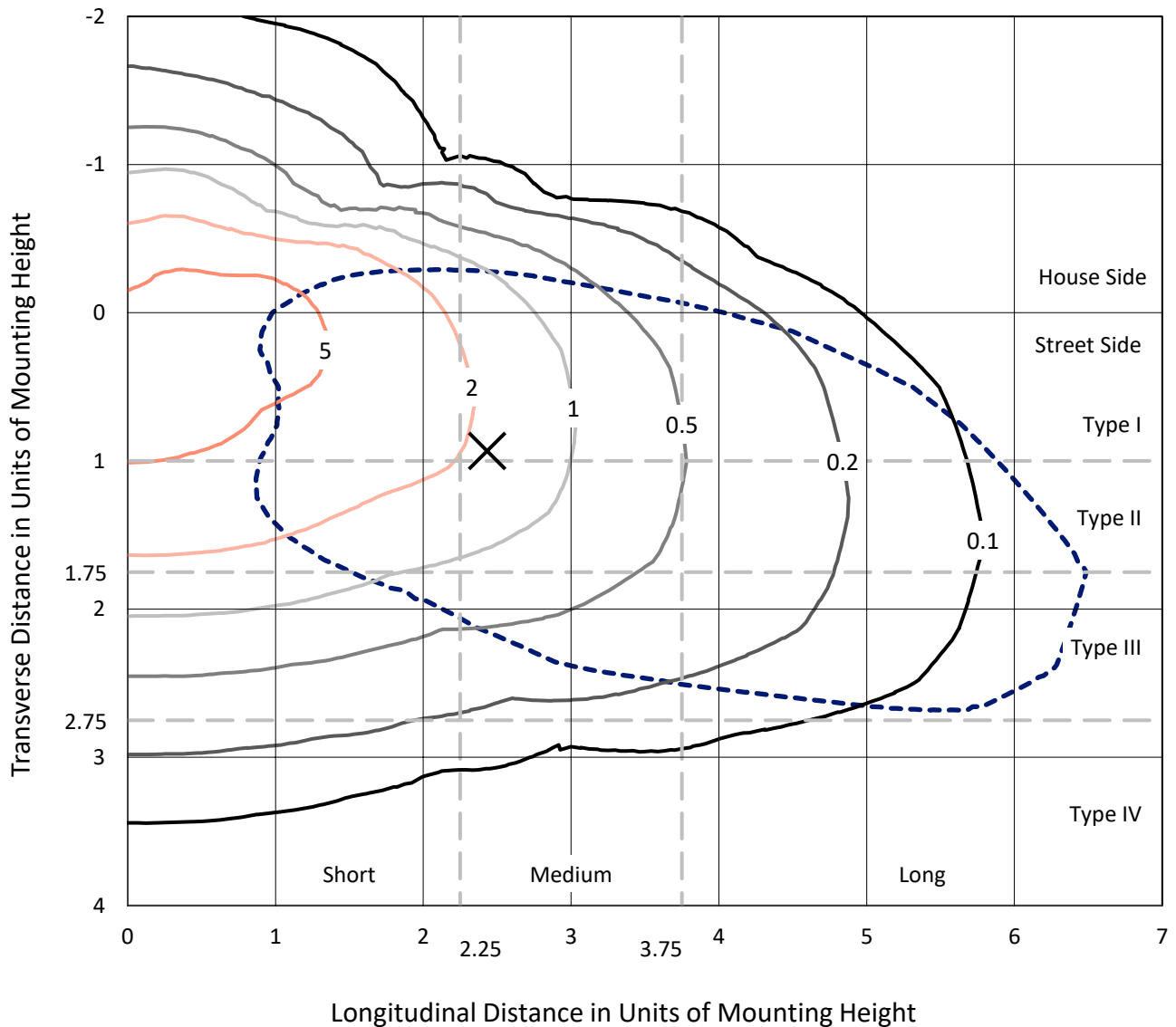
Input Watts (W): 264
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

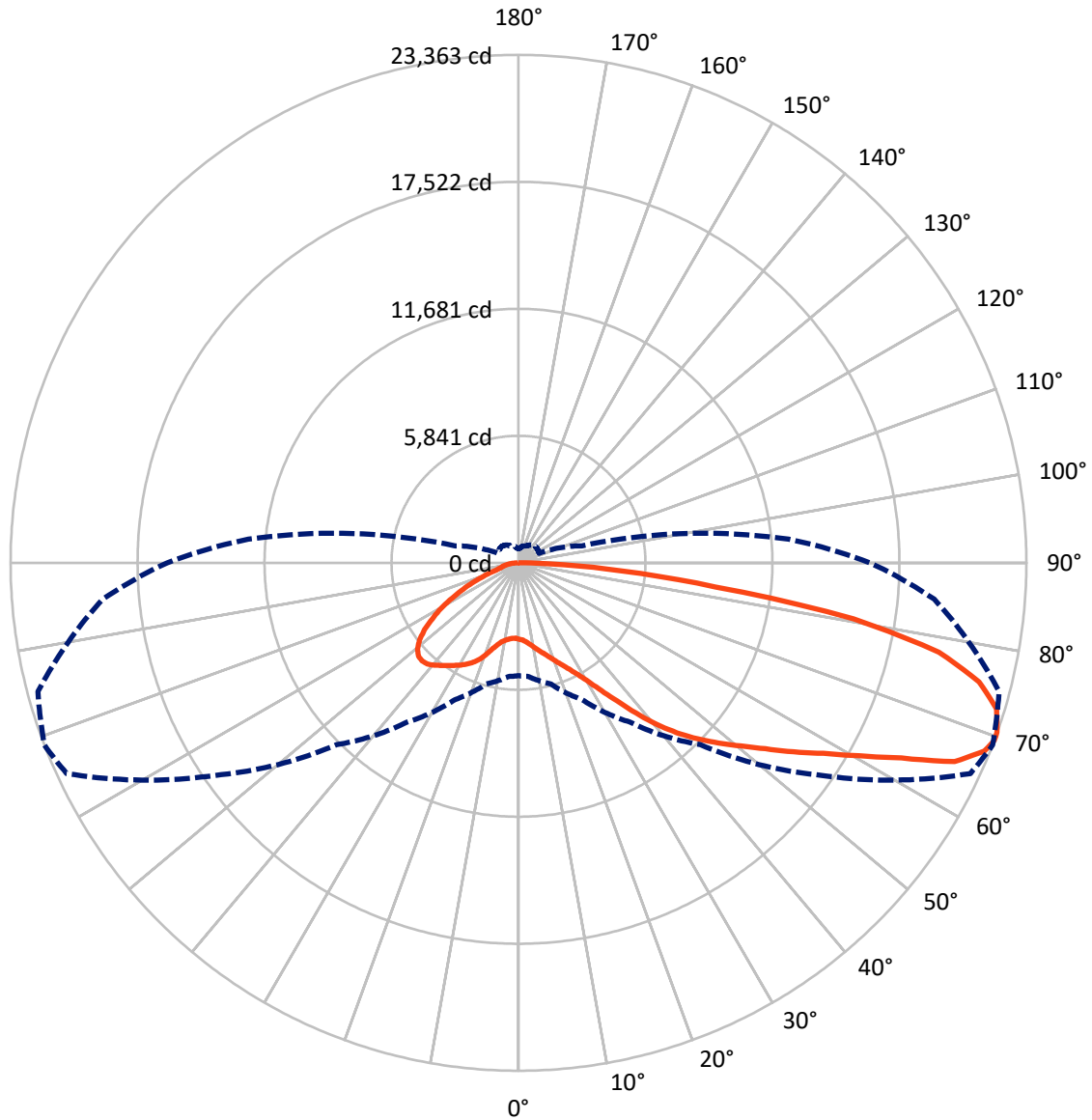
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 69-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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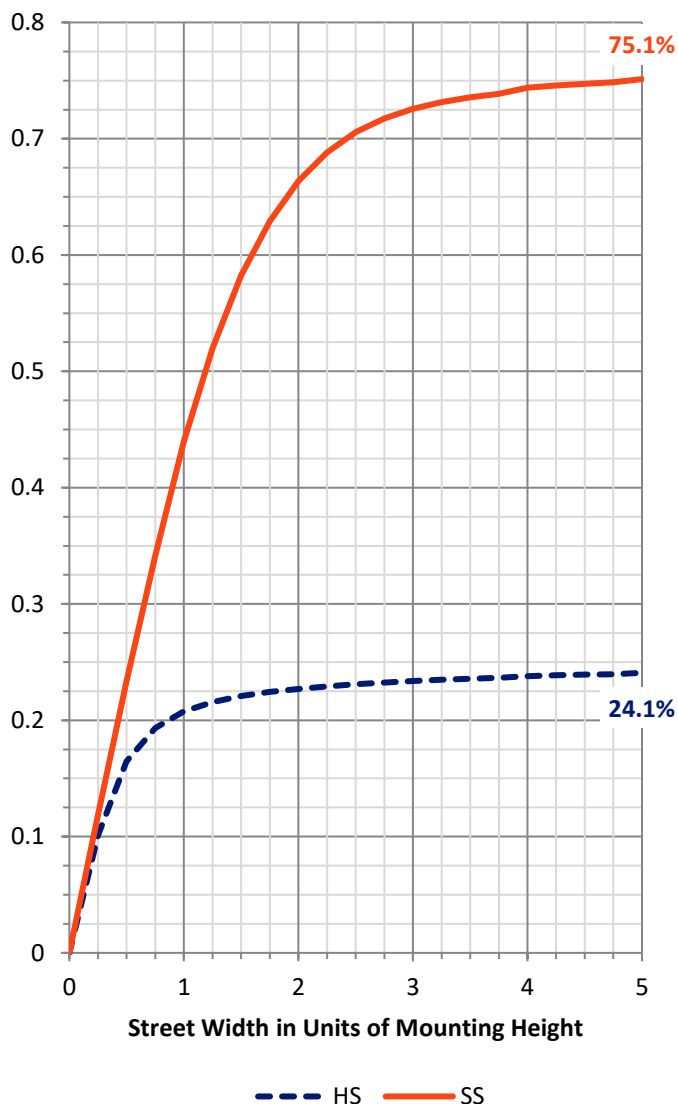
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8763.4	0.0	8763.4
	% Fixture	24.6	0.0	24.6
Street Side	Lumens	26881.6	0.0	26881.6
	% Fixture	75.4	0.0	75.4
Total	Lumens	35645.0	0.0	35645.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	346.4	1.0
10°-20°	1129.0	3.2
20°-30°	2114.4	5.9
30°-40°	3592.7	10.1
40°-50°	5513.2	15.5
50°-60°	7203.2	20.2
60°-70°	8202.2	23.0
70°-80°	6192.5	17.4
80°-90°	1351.4	3.8
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°	35645.0	100.0
0°-180°	35645.0	100.0

Coefficient of Utilization

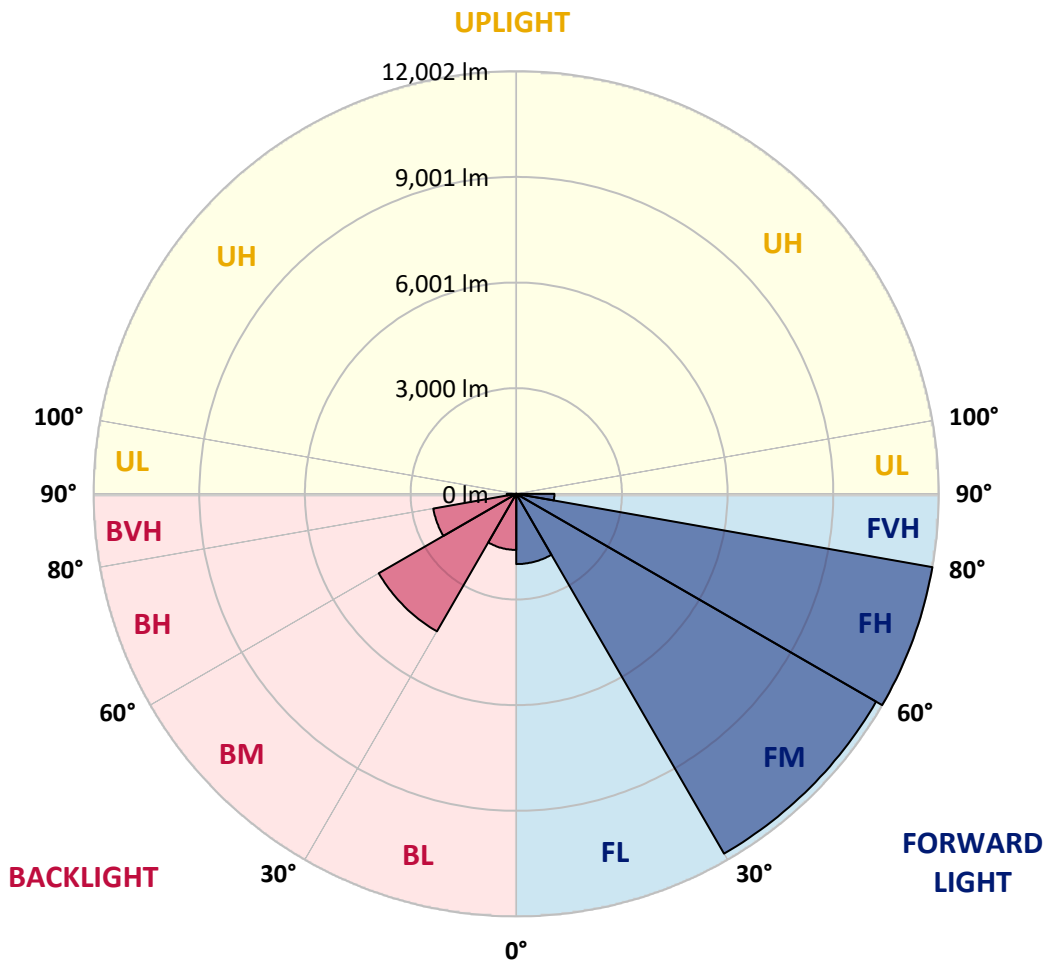


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1996.4	5.6			
FM (30°-60°)	11799.9	33.1			
FH (60°-80°)	12001.8	33.7			G5
FVH (80°-90°)	1083.5	3.0			G5
BL (0°-30°)	1593.4	4.5	B3/2500		
BM (30°-60°)	4509.2	12.7	B3/5000		
BH (60°-80°)	2392.9	6.7	B3/2500		G3/2500
BVH (80°-90°)	268.0	0.8			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
0°	3516.7	3516.7	3516.7	3516.7	3516.7	3516.7	3516.7	3516.7	3516.7	3516.7	3516.7
2.5°	3650.4	3661.4	3660.0	3654.5	3651.8	3636.8	3617.7	3593.1	3552.2	3533.1	3508.5
5°	3806.0	3814.2	3815.6	3806.0	3795.1	3771.9	3732.3	3694.1	3649.1	3621.8	3574.0
7.5°	3938.4	3945.2	3957.5	3949.3	3943.8	3924.7	3886.5	3841.5	3782.8	3744.6	3677.7
10°	4044.8	4050.3	4059.8	4073.5	4099.4	4083.0	4038.0	4006.6	3953.4	3894.7	3811.5
12.5°	4121.2	4117.2	4144.4	4169.0	4222.2	4240.0	4208.6	4185.4	4133.5	4073.5	3975.2
15°	4156.7	4155.4	4203.1	4264.5	4343.7	4372.3	4372.3	4346.4	4317.8	4271.4	4167.6
17.5°	4233.1	4238.6	4270.0	4349.1	4433.8	4500.6	4564.8	4567.5	4545.7	4514.3	4406.5
20°	4350.5	4360.1	4376.4	4439.2	4533.4	4650.7	4770.8	4814.5	4803.6	4791.3	4706.7
22.5°	4497.9	4502.0	4497.9	4552.5	4678.0	4836.3	5009.6	5082.0	5088.8	5090.1	5047.8
25°	4734.0	4716.2	4671.2	4720.3	4866.3	5049.2	5260.7	5380.8	5412.2	5440.9	5541.8
27.5°	5165.2	5124.3	5039.7	5023.3	5106.5	5307.1	5569.1	5769.7	5814.8	5893.9	6162.8
30°	5861.2	5806.6	5727.4	5485.9	5453.1	5625.1	5958.1	6244.6	6334.7	6574.9	6884.7
32.5°	6566.7	6531.2	6442.5	6210.5	5964.9	6029.0	6356.5	6804.2	6997.9	7483.7	7770.3
35°	7172.6	7154.9	7104.4	6991.1	6705.9	6525.8	6811.0	7433.3	7794.9	8553.6	8811.6
37.5°	7756.7	7748.5	7751.2	7597.0	7476.9	7217.6	7332.3	8167.4	8761.1	9674.0	9847.3
40°	8267.1	8271.2	8313.5	8242.5	8222.0	8061.0	7946.4	8950.7	9764.1	10782.1	10823.1
42.5°	8686.0	8690.1	8886.6	8780.2	8907.1	8871.6	8706.5	9682.2	10686.6	11678.7	11673.2
45°	8961.7	8968.5	9162.3	9248.2	9517.1	9634.4	9511.6	10432.8	11547.7	12508.4	12400.6
47.5°	9166.4	9160.9	9271.4	9618.1	10076.6	10308.6	10353.6	11285.7	12382.8	13276.7	13089.7
50°	9276.9	9289.2	9500.7	9963.3	10640.2	10963.6	11210.6	12292.8	13239.8	14017.7	13754.3
52.5°	9346.5	9407.9	9717.7	10267.6	11149.2	11655.5	11965.3	13409.1	14206.0	14787.4	14458.5
55°	9395.6	9507.5	9813.2	10427.3	11465.8	12216.4	12673.5	14560.8	15346.9	15659.4	15230.9
57.5°	9044.9	9152.7	9649.5	10451.9	11715.5	12677.6	13428.2	15776.7	16536.8	16734.7	15995.1
60°	8445.8	8510.0	9150.0	10259.4	11660.9	13096.6	14418.9	17219.2	18014.8	18029.8	16800.2
62.5°	7829.0	7854.9	8501.8	9757.3	11415.3	13234.4	15409.6	19142.0	19767.0	19575.9	17655.9
65°	7010.2	7038.9	7706.2	8931.6	10821.7	13081.5	16220.2	21168.5	22043.2	21532.8	18504.7
67.5°	5940.3	6003.1	6622.7	7758.0	9765.4	12490.7	16801.6	22564.5	23100.8	22661.4	19091.5
69°	5191.1	5249.8	5769.7	6946.1	8942.6	11824.7	17045.9	22933.0	23362.8	22883.8	19189.7
70°	4652.1	4697.1	5184.3	6338.8	8298.4	11255.6	17099.1	23032.6	23349.2	22892.0	19136.5
72.5°	3316.1	3354.3	3619.1	4435.1	6289.7	9428.4	16838.4	22762.4	22994.4	22335.2	18439.2
75°	2452.3	2482.3	2640.6	2929.9	3661.4	6671.8	15214.5	21639.3	21886.3	21118.0	16985.8
77.5°	1779.5	1804.1	1956.9	2239.4	2576.5	3141.4	10547.4	19529.5	19772.4	19155.6	14622.2
80°	1214.5	1240.5	1378.3	1617.1	1883.2	2090.6	5178.9	14293.4	15632.1	15331.9	10420.5
82.5°	227.9	279.8	592.3	839.3	1059.0	1132.7	1958.3	7859.0	9132.2	9315.1	5434.0
85°	151.5	163.8	361.6	352.1	345.3	506.3	766.9	3767.8	4766.7	4938.7	2345.8
87.5°	75.1	79.1	107.8	148.7	189.7	227.9	252.5	993.5	1435.6	1539.3	438.1
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°	3516.7	3516.7	3516.7	3516.7	3516.7	3516.7	3516.7	3516.7	3516.7	3516.7	3516.7
2.5°	3499.0	3492.1	3471.7	3463.5	3458.0	3455.3	3422.5	3417.1	3400.7	3389.8	3380.2
5°	3550.8	3539.9	3492.1	3474.4	3447.1	3423.9	3369.3	3346.1	3329.7	3307.9	3298.4
7.5°	3642.3	3623.1	3550.8	3518.1	3470.3	3430.7	3355.7	3320.2	3288.8	3258.8	3253.3
10°	3766.4	3731.0	3631.3	3580.8	3511.2	3464.8	3377.5	3309.3	3262.9	3228.8	3227.4
12.5°	3928.8	3875.6	3755.5	3688.7	3602.7	3531.7	3432.1	3329.7	3253.3	3198.7	3196.0
15°	4122.6	4066.7	3945.2	3859.2	3758.3	3662.7	3503.1	3351.6	3224.7	3137.3	3126.4
17.5°	4360.1	4306.8	4196.3	4126.7	3984.8	3796.5	3569.9	3343.4	3161.9	3041.8	3024.1
20°	4660.3	4675.3	4571.6	4420.1	4184.0	3907.0	3602.7	3301.1	3037.7	2869.9	2845.3
22.5°	5079.2	5129.7	4956.4	4678.0	4335.5	3965.7	3589.0	3189.2	2867.1	2663.8	2643.3
25°	5592.3	5577.3	5264.8	4867.7	4413.3	3964.3	3512.6	3029.5	2650.2	2420.9	2405.9
27.5°	6128.6	6038.6	5555.5	5000.1	4426.9	3889.3	3362.5	2789.3	2400.4	2209.4	2164.3
30°	6812.3	6561.2	5853.0	5112.0	4381.9	3746.0	3090.9	2558.7	2257.1	2049.7	2019.7
32.5°	7602.5	7184.9	6187.3	5146.1	4282.3	3526.3	2796.2	2452.3	2163.0	1926.9	1892.8
35°	8520.9	7983.2	6574.9	5158.4	4092.6	3200.1	2636.5	2390.9	2100.2	1832.7	1787.7
37.5°	9481.6	8829.3	7052.5	5144.7	3871.5	2842.6	2524.6	2302.2	2029.2	1810.9	1785.0
40°	10349.5	9644.0	7591.6	5106.5	3568.6	2610.6	2403.2	2179.3	1967.8	1802.7	1782.2
42.5°	11145.1	10353.6	8107.4	5042.4	3190.6	2445.5	2269.4	2087.9	1890.0	1688.1	1647.1
45°	11834.3	11008.6	8489.5	4889.5	2767.5	2276.2	2108.4	1961.0	1774.0	1573.4	1532.5
47.5°	12425.2	11549.0	8789.7	4627.5	2426.4	2117.9	1925.5	1809.5	1645.8	1454.7	1413.8
50°	13028.3	11988.5	8965.8	4194.9	2141.1	1936.4	1744.0	1633.5	1492.9	1353.7	1329.2
52.5°	13675.2	12702.2	9222.3	3482.6	1877.8	1745.4	1551.6	1431.5	1327.8	1269.1	1245.9
55°	14328.8	13335.4	9316.5	2633.8	1647.1	1595.3	1370.1	1214.5	1140.8	1104.0	1098.5
57.5°	14978.4	13875.8	8994.4	1875.0	1494.3	1422.0	1176.3	1028.9	941.6	967.5	1007.1
60°	15643.0	14270.2	8171.5	1467.0	1374.2	1214.5	1012.6	903.4	865.2	836.5	837.9
62.5°	16257.1	14454.4	6771.4	1245.9	1258.2	1086.3	955.3	848.8	810.6	761.5	746.5
65°	16665.1	14129.6	5285.3	1153.1	1153.1	1053.5	952.5	850.2	798.3	712.3	697.3
67.5°	16547.8	13283.5	3911.1	1069.9	1086.3	1067.2	975.7	847.4	783.3	701.4	696.0
69°	16169.8	12472.9	3003.6	1045.3	1075.3	1079.4	1003.0	861.1	799.7	675.5	645.5
70°	15790.4	11847.9	2486.4	1024.9	1072.6	1087.6	1024.9	877.5	787.4	634.6	615.5
72.5°	14500.8	10013.8	1252.8	945.7	1068.5	1097.2	1072.6	938.9	780.6	611.4	595.0
75°	12748.6	7702.1	803.8	878.8	1034.4	1108.1	1110.8	996.2	783.3	597.7	577.2
77.5°	10214.4	4465.1	667.3	803.8	970.3	1086.3	1123.1	1039.9	816.1	620.9	597.7
80°	5431.3	1765.9	536.3	686.4	888.4	1020.8	1089.0	1024.9	807.9	518.6	503.6
82.5°	2404.5	548.6	393.0	539.0	698.7	892.5	925.2	902.0	706.9	313.9	358.9
85°	675.5	226.5	262.0	387.6	483.1	631.8	724.6	727.4	548.6	136.5	31.4
87.5°	69.6	51.9	76.4	148.7	278.4	438.1	529.5	507.7	367.1	116.0	2.7
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)