

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: P622618

Luminaire Tested: **PRV-M-PA6A-750-U-T4W**

Issue Date: 9/29/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P622618  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2207-719-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/29/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: PRV-M-PA6A-750-U-T4W  
Description: PREVAIL M AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 5000K LIGHT ENGINES AND TYPE IV OPTICS, BRONZE PAINTED FINISH  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 41207 lumens  
Efficiency: N/A  
Efficacy: 150.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B4 - U0 - G5

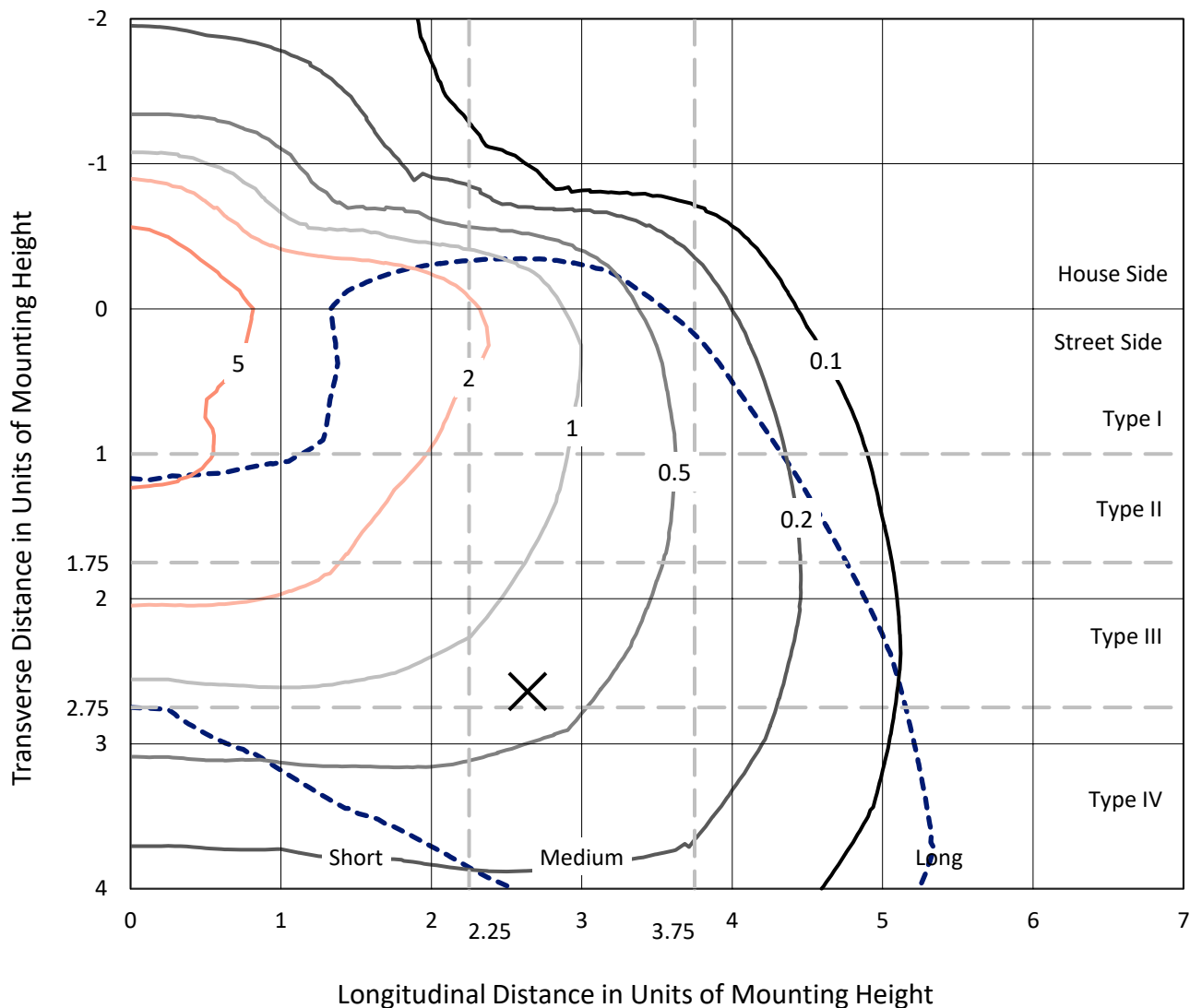
Input Watts (W): 273.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

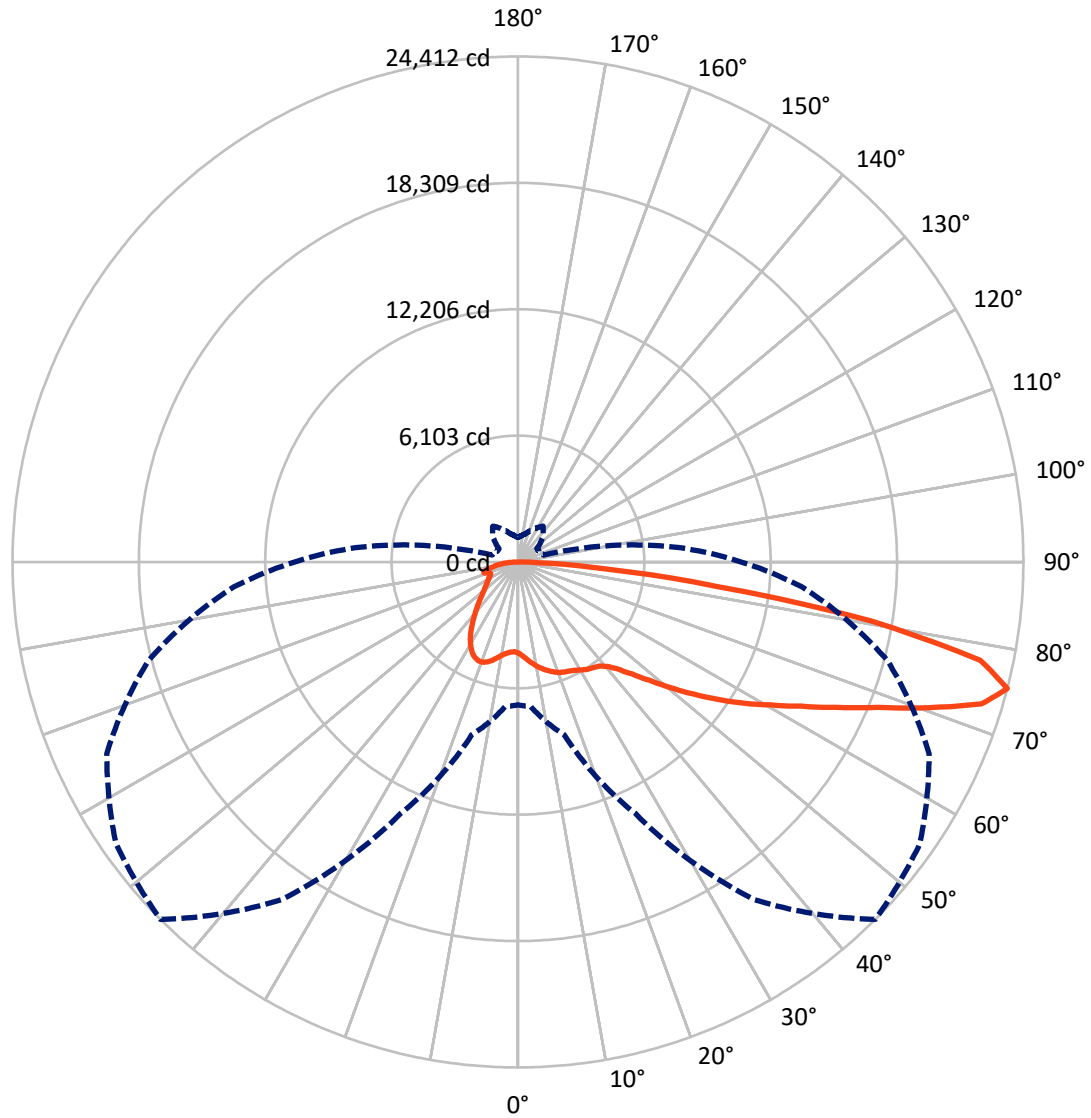
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 75-Deg Vertical



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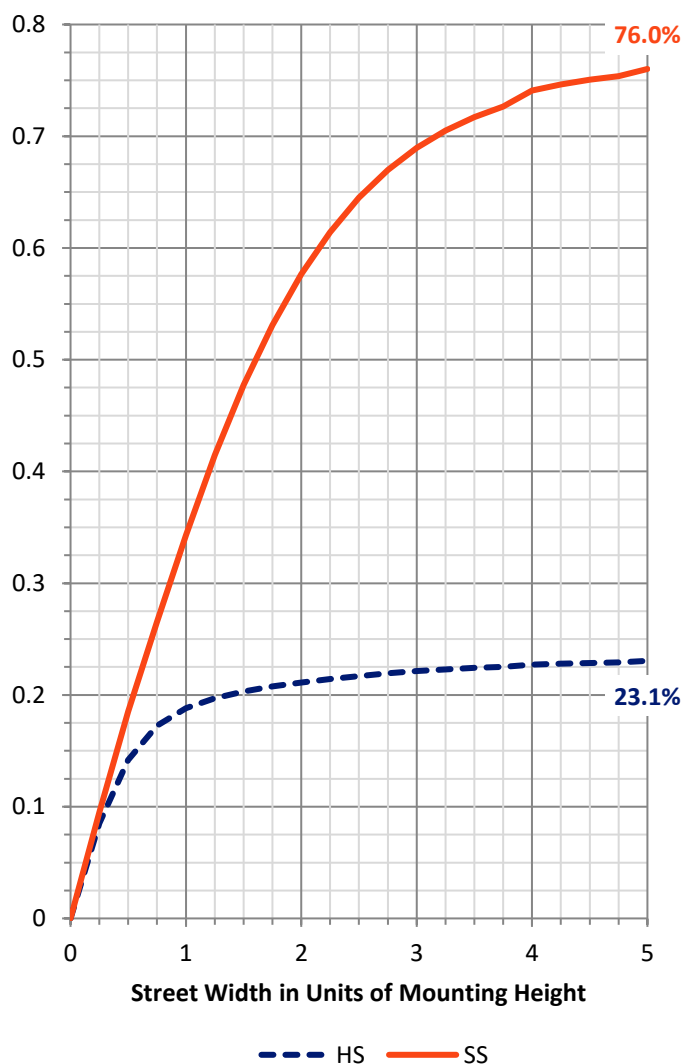
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9696.7	0.0	9696.7
	% Fixture	23.5	0.0	23.5
<b>Street Side</b>	Lumens	31510.3	0.0	31510.3
	% Fixture	76.5	0.0	76.5
<b>Total</b>	Lumens	41207.0	0.0	41207.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	443.7	1.1
10°-20°	1467.7	3.6
20°-30°	2526.0	6.1
30°-40°	3480.4	8.4
40°-50°	4848.5	11.8
50°-60°	7258.9	17.6
60°-70°	10288.8	25.0
70°-80°	9252.9	22.5
80°-90°	1640.1	4.0
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°	41207.0	100.0
0°-180°	41207.0	100.0

**Coefficient of Utilization**



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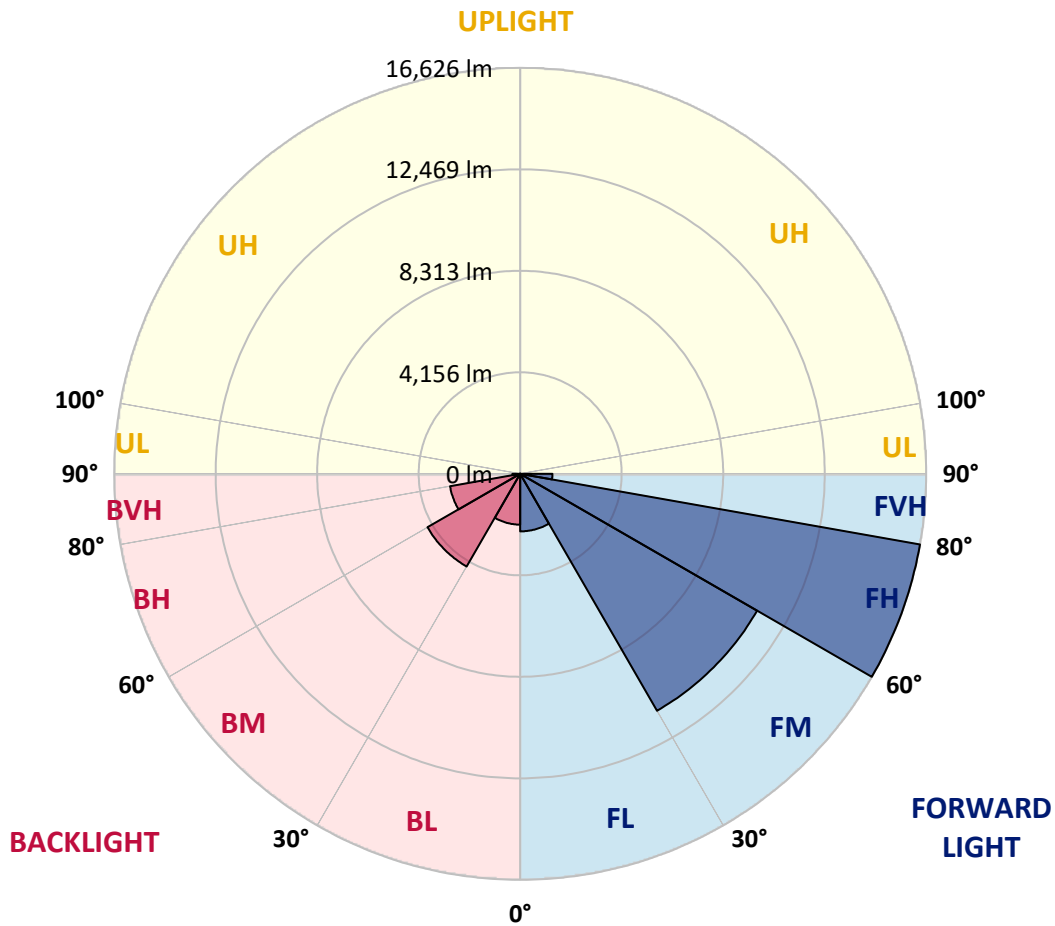
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2357.0	5.7			
FM (30°-60°)	11205.6	27.2			
FH (60°-80°)	16625.9	40.3			G5
FVH (80°-90°)	1321.8	3.2			G5
BL (0°-30°)	2080.4	5.0	B3/2500		
BM (30°-60°)	4382.2	10.6	B3/5000		
BH (60°-80°)	2915.8	7.1	B4/5000		G4/5000
BVH (80°-90°)	318.3	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-G5**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4401.0	4401.0	4401.0	4401.0	4401.0	4401.0	4401.0	4401.0	4401.0	4401.0	4401.0
2.5°	4648.0	4636.0	4629.0	4592.0	4564.0	4548.0	4510.0	4482.0	4443.0	4413.0	4404.0
5°	4974.0	4951.0	4932.0	4870.0	4804.0	4739.0	4647.0	4567.0	4480.0	4414.0	4392.0
7.5°	5294.0	5276.0	5237.0	5142.0	5044.0	4938.0	4805.0	4687.0	4564.0	4472.0	4437.0
10°	5575.0	5552.0	5485.0	5377.0	5250.0	5134.0	4984.0	4849.0	4707.0	4595.0	4550.0
12.5°	5817.1	5783.1	5698.1	5564.0	5413.0	5294.0	5153.0	5029.0	4873.0	4743.0	4689.0
15°	6019.1	5980.1	5892.1	5718.1	5548.0	5449.0	5326.0	5209.0	5048.0	4897.0	4836.0
17.5°	6166.1	6132.1	6033.1	5829.1	5657.0	5581.0	5482.0	5378.0	5221.0	5054.0	4996.0
20°	6222.1	6181.1	6095.1	5884.1	5731.1	5696.1	5620.0	5532.0	5385.0	5220.0	5157.0
22.5°	6172.1	6138.1	6069.1	5876.1	5762.1	5767.1	5721.1	5662.0	5536.0	5373.0	5319.0
25°	6097.1	6061.1	6009.1	5845.1	5785.1	5830.1	5813.1	5784.1	5691.1	5534.0	5479.0
27.5°	6067.1	6025.1	5985.1	5847.1	5832.1	5921.1	5928.1	5929.1	5851.1	5692.1	5651.0
30°	6154.1	6107.1	6051.1	5906.1	5917.1	6048.1	6091.1	6071.1	5987.1	5844.1	5808.1
32.5°	6419.1	6369.1	6268.1	6047.1	6021.1	6181.1	6233.1	6174.1	6095.1	5981.1	5967.1
35°	7016.1	6939.1	6737.1	6341.1	6156.1	6263.1	6336.1	6293.1	6229.1	6161.1	6177.1
37.5°	7992.1	7886.1	7561.1	6882.1	6411.1	6379.1	6481.1	6482.1	6423.1	6395.1	6438.1
40°	9141.1	9030.1	8692.1	7752.1	6906.1	6624.1	6717.1	6765.1	6712.1	6731.1	6794.1
42.5°	10258.1	10143.1	9901.1	8843.1	7573.1	7064.1	7082.1	7200.1	7147.1	7211.1	7322.1
45°	11153.1	11056.1	10959.1	9901.1	8496.1	7710.1	7581.1	7789.1	7770.1	7895.1	8050.1
47.5°	11785.1	11685.1	11697.1	10907.1	9596.1	8535.1	8223.1	8568.1	8579.1	8854.1	9025.1
50°	12294.1	12197.1	12229.1	11762.1	10703.1	9526.1	9033.1	9488.1	9667.1	10084.1	10289.1
52.5°	12870.1	12787.1	12857.1	12540.1	11869.1	10599.1	9975.1	10600.1	10878.1	11533.1	11742.1
55°	13519.1	13447.1	13668.1	13474.1	13128.1	11723.1	11022.1	11859.1	12206.1	13217.1	13483.1
57.5°	14040.1	13963.1	14430.1	14619.1	14466.1	12877.1	12184.1	13169.1	13521.1	15096.1	15353.1
60°	14641.1	14530.1	15115.1	15703.1	15881.1	14012.1	13492.1	14607.1	14950.1	17134.2	17210.2
62.5°	15007.1	14922.1	15709.1	16669.1	17151.2	15340.1	14987.1	16040.1	16411.1	19241.2	18876.2
65°	14497.1	14539.1	16036.1	17441.2	18303.2	16934.1	16632.1	17559.2	17939.2	21121.2	19998.2
67.5°	13445.1	13525.1	15661.1	17946.2	19481.2	18753.2	18364.2	19159.2	19419.2	22223.2	20187.2
70°	12203.1	12276.1	14459.1	18042.2	20584.2	21072.2	20494.2	20894.2	20563.2	21817.2	18807.2
72.5°	10340.1	10534.1	12219.1	16801.1	21063.2	23423.2	22786.2	22227.2	20498.2	19027.2	15514.1
75°	6904.1	7001.1	8645.1	13400.1	19907.2	24412.2	23702.2	21910.2	18489.2	13757.1	10789.1
77.5°	3051.0	3355.0	4494.0	7856.1	15554.1	22835.2	21747.2	18351.2	12823.1	7560.1	5358.0
80°	1118.0	1183.0	1754.0	3251.0	9022.1	17292.2	15774.1	11702.1	6482.1	2869.0	2002.0
82.5°	625.0	655.0	954.0	1488.0	4050.0	9650.1	8776.1	5046.0	2235.0	943.0	841.0
85°	345.0	360.0	585.0	934.0	1969.0	4193.0	3341.0	1711.0	905.0	378.0	358.0
87.5°	152.0	178.0	315.0	473.0	898.0	959.0	831.0	668.0	422.0	143.0	126.0
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):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4401.0	4401.0	4401.0	4401.0	4401.0	4401.0	4401.0	4401.0	4401.0	4401.0
2.5°	4394.0	4379.0	4370.0	4350.0	4338.0	4342.0	4344.0	4351.0	4363.0	4337.0
5°	4376.0	4355.0	4353.0	4353.0	4367.0	4389.0	4410.0	4427.0	4452.0	4419.0
7.5°	4415.0	4392.0	4393.0	4407.0	4435.0	4477.0	4523.0	4554.0	4590.0	4551.0
10°	4530.0	4502.0	4511.0	4522.0	4553.0	4602.0	4663.0	4717.0	4761.0	4732.0
12.5°	4670.0	4645.0	4651.0	4677.0	4715.0	4761.0	4817.0	4867.0	4910.0	4872.0
15°	4813.0	4802.0	4813.0	4855.0	4901.0	4923.0	4929.0	4953.0	4982.0	4950.0
17.5°	4981.0	4968.0	4980.0	5035.0	5046.0	5024.0	4980.0	4970.0	4987.0	4958.0
20°	5139.0	5133.0	5143.0	5171.0	5134.0	5054.0	4981.0	4952.0	4974.0	4945.0
22.5°	5309.0	5275.0	5265.0	5233.0	5131.0	5030.0	4952.0	4926.0	4958.0	4937.0
25°	5474.0	5393.0	5318.0	5196.0	5045.0	4955.0	4896.0	4873.0	4905.0	4896.0
27.5°	5628.0	5487.0	5304.0	5055.0	4887.0	4809.0	4783.0	4776.0	4817.0	4812.0
30°	5787.1	5562.0	5214.0	4840.0	4634.0	4573.0	4611.0	4657.0	4707.0	4716.0
32.5°	5947.1	5615.0	5057.0	4563.0	4339.0	4286.0	4392.0	4497.0	4565.0	4589.0
35°	6139.1	5653.0	4844.0	4238.0	3989.0	3975.0	4104.0	4241.0	4337.0	4355.0
37.5°	6376.1	5675.1	4583.0	3895.0	3625.0	3617.0	3735.0	3860.0	3941.0	3982.0
40°	6705.1	5679.1	4251.0	3513.0	3261.0	3250.0	3297.0	3364.0	3407.0	3453.0
42.5°	7172.1	5665.0	3912.0	3127.0	2945.0	2902.0	2882.0	2870.0	2802.0	2815.0
45°	7809.1	5648.0	3556.0	2791.0	2651.0	2557.0	2496.0	2407.0	2273.0	2271.0
47.5°	8623.1	5670.1	3238.0	2501.0	2399.0	2294.0	2175.0	2036.0	1891.0	1883.0
50°	9579.1	5763.1	2916.0	2251.0	2181.0	2080.0	1944.0	1778.0	1639.0	1626.0
52.5°	10674.1	5871.1	2596.0	2034.0	2014.0	1918.0	1769.0	1601.0	1492.0	1476.0
55°	11964.1	6065.1	2292.0	1854.0	1873.0	1789.0	1641.0	1485.0	1394.0	1385.0
57.5°	13348.1	6240.1	2011.0	1709.0	1753.0	1692.0	1555.0	1413.0	1345.0	1328.0
60°	14831.1	6078.1	1799.0	1584.0	1649.0	1618.0	1482.0	1346.0	1309.0	1300.0
62.5°	16070.1	5416.0	1630.0	1477.0	1560.0	1555.0	1426.0	1317.0	1309.0	1303.0
65°	16719.1	4325.0	1510.0	1387.0	1488.0	1496.0	1417.0	1328.0	1347.0	1354.0
67.5°	16434.1	3141.0	1429.0	1314.0	1428.0	1576.0	1652.0	1609.0	1611.0	1605.0
70°	14992.1	2212.0	1354.0	1257.0	1509.0	2006.0	1991.0	1769.0	1666.0	1607.0
72.5°	12159.1	1637.0	1269.0	1215.0	1724.0	2240.0	1958.0	1603.0	1444.0	1392.0
75°	7877.1	1296.0	1147.0	1118.0	1688.0	2112.0	1733.0	1410.0	1244.0	1193.0
77.5°	3616.0	1045.0	993.0	943.0	1423.0	1822.0	1460.0	1186.0	1045.0	1029.0
80°	1419.0	863.0	803.0	765.0	1165.0	1573.0	1282.0	1037.0	910.0	883.0
82.5°	709.0	682.0	621.0	582.0	988.0	1420.0	1132.0	894.0	782.0	733.0
85°	382.0	456.0	433.0	388.0	697.0	1056.0	825.0	626.0	519.0	514.0
87.5°	189.0	208.0	175.0	185.0	357.0	567.0	509.0	393.0	297.0	311.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)