

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: P622688

Luminaire Tested: **PRV-M-PA6B-740-U-T3**

Issue Date: 9/29/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P622688  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2207-719-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/29/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: PRV-M-PA6B-740-U-T3  
Description: PREVAIL M AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 4000K LIGHT ENGINES AND TYPE III OPTICS, BRONZE PAINTED FINISH  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

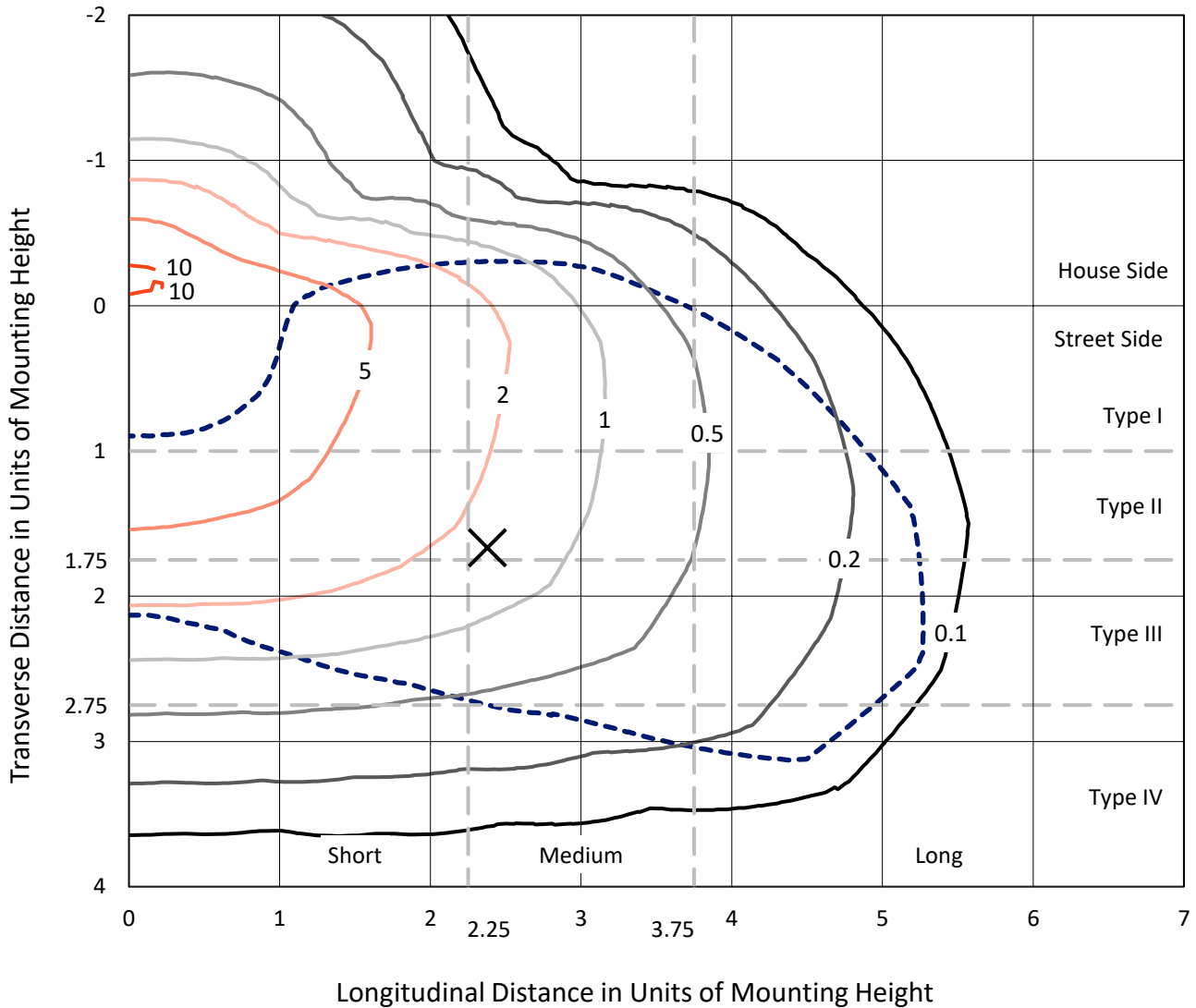
Lumens per Lamp: N/A  
Luminaire Lumens: 52020 lumens  
Efficiency: N/A  
Efficacy: 142.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B4 - U0 - G5  
  
Input Watts (W): 365.8  
Input Voltage (V): NR  
Input Current (Ain): 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

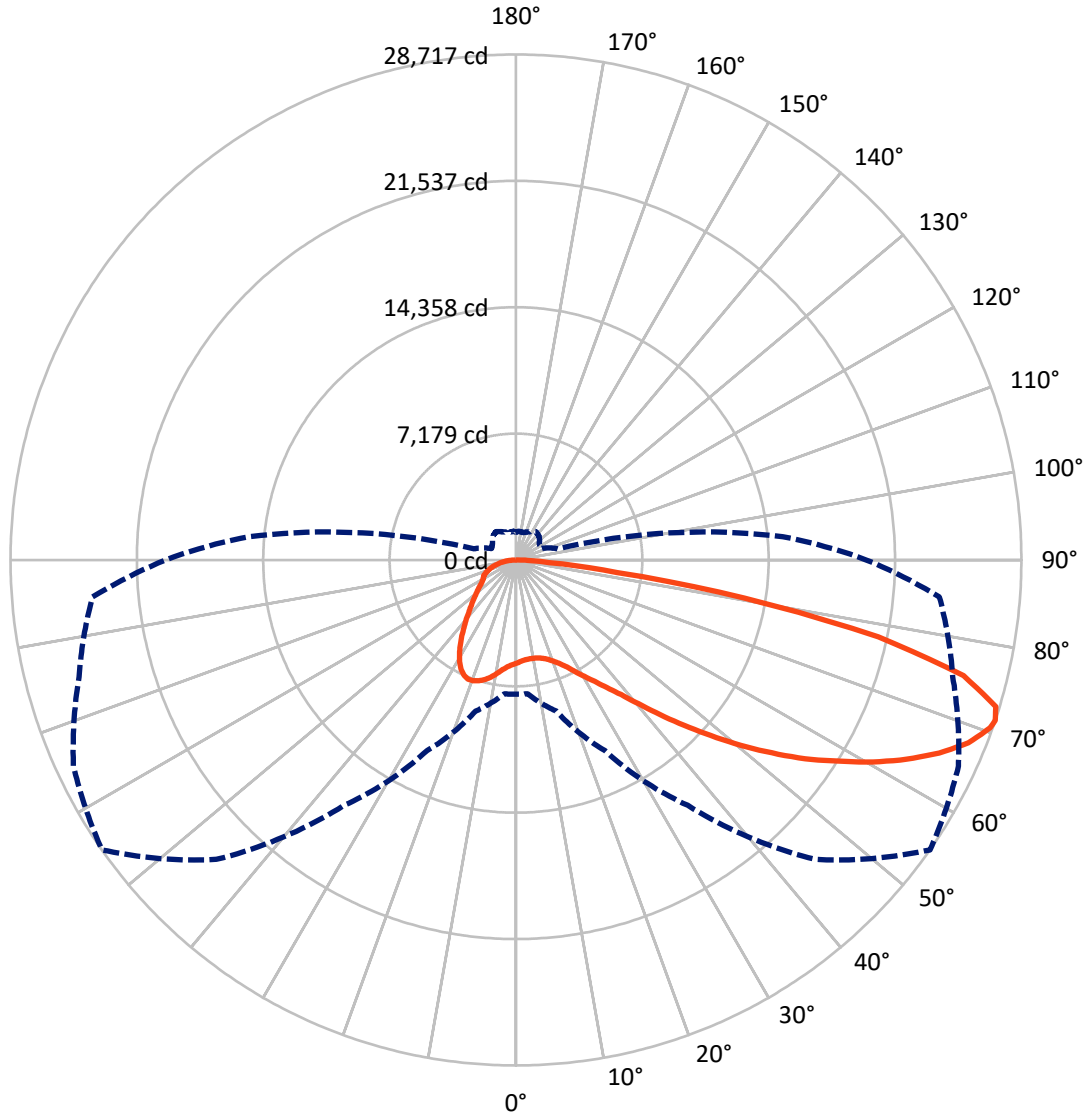
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.4 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral      - - - Horizontal Cone Through 71-Deg Vertical

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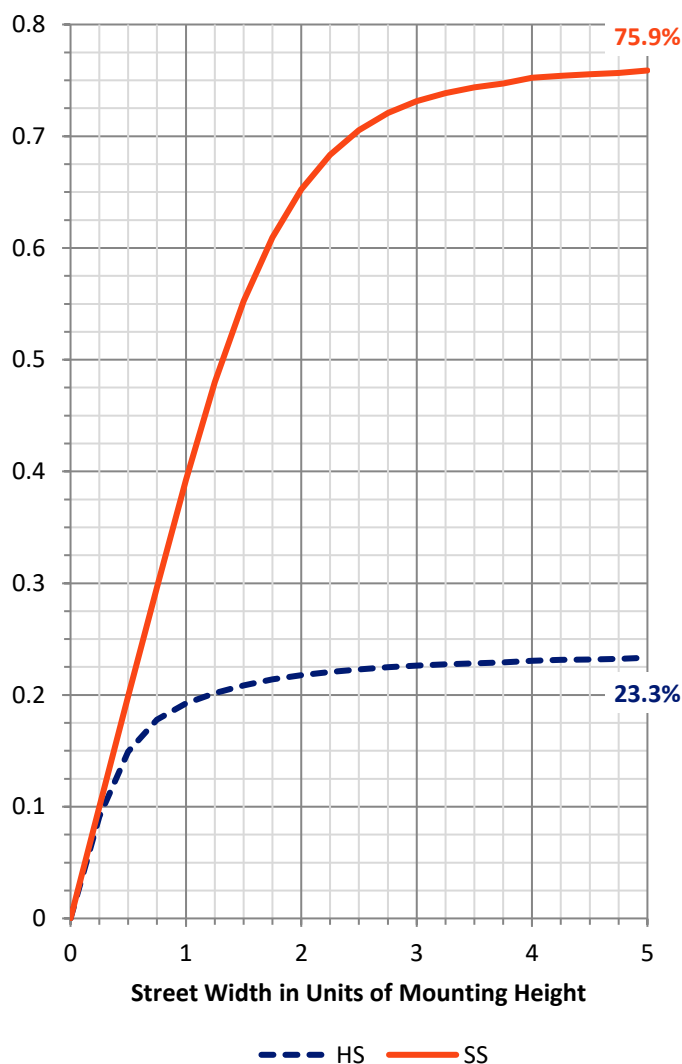
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12359.0	0.0	12359.0
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	39661.0	0.0	39661.0
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	52020.0	0.0	52020.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	570.7	1.1
10°-20°	1814.2	3.5
20°-30°	3198.2	6.1
30°-40°	4790.9	9.2
40°-50°	7497.3	14.4
50°-60°	11020.5	21.2
60°-70°	12907.6	24.8
70°-80°	8742.5	16.8
80°-90°	1478.1	2.8
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°	52020.0	100.0
0°-180°	52020.0	100.0

**Coefficient of Utilization**



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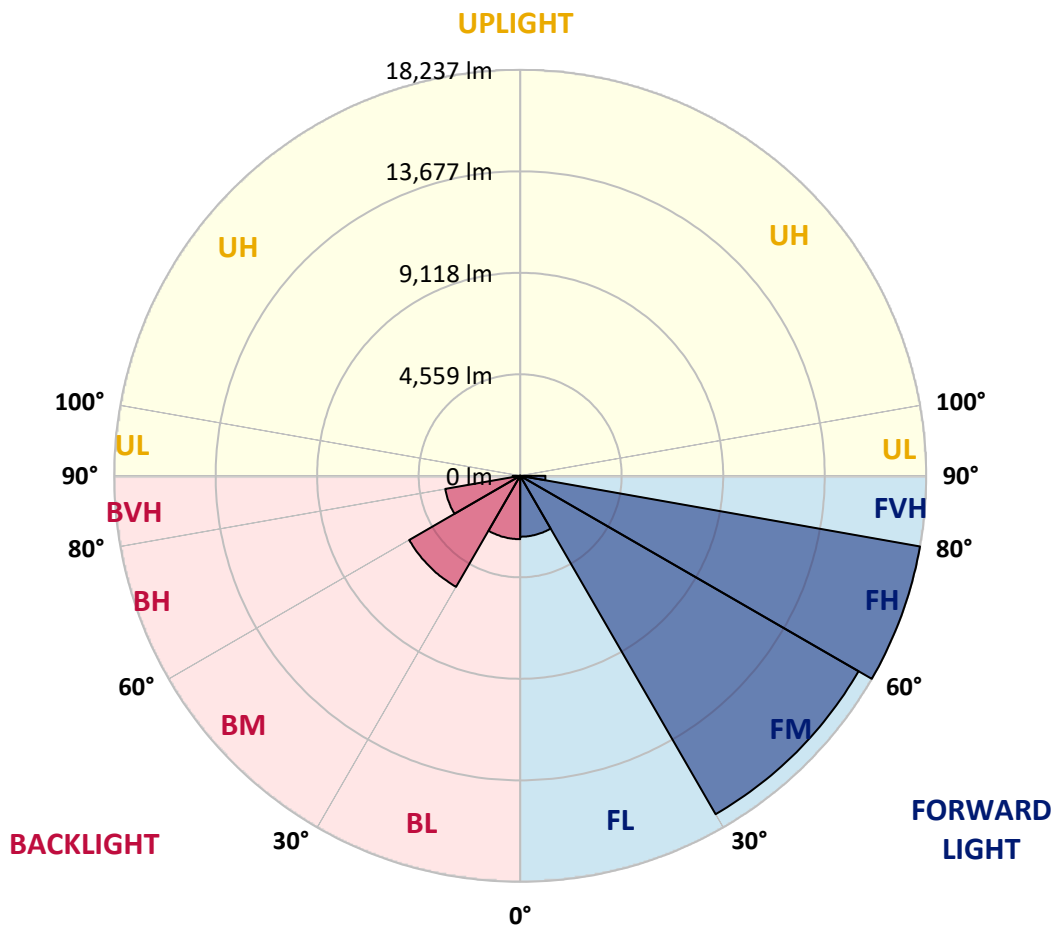
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2736.7	5.3			
FM (30°-60°)	17550.5	33.7			
FH (60°-80°)	18236.6	35.1			G5
FVH (80°-90°)	1137.3	2.2			G5
BL (0°-30°)	2846.4	5.5	B4/5000		
BM (30°-60°)	5758.2	11.1	B4/8500		
BH (60°-80°)	3413.6	6.6	B4/5000		G4/5000
BVH (80°-90°)	340.8	0.7			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°	5854.8	5854.8	5854.8	5854.8	5854.8	5854.8	5854.8	5854.8	5854.8	5854.8	5854.8
2.5°	5766.3	5727.1	5728.4	5728.4	5723.4	5747.4	5760.0	5780.2	5799.2	5820.7	5842.2
5°	5618.4	5590.6	5599.5	5615.9	5626.0	5661.4	5690.5	5724.6	5756.2	5799.2	5828.3
7.5°	5476.9	5441.5	5469.3	5511.0	5541.3	5613.4	5666.5	5719.6	5766.3	5833.3	5876.3
10°	5402.3	5370.7	5404.8	5457.9	5507.2	5593.2	5672.8	5755.0	5838.4	5948.3	6001.4
12.5°	5427.6	5396.0	5422.5	5476.9	5527.4	5614.7	5708.2	5837.1	5958.5	6092.4	6162.0
15°	5548.9	5519.9	5537.6	5575.5	5604.5	5682.9	5797.9	5957.2	6107.6	6265.6	6338.9
17.5°	5823.2	5784.0	5765.1	5744.8	5749.9	5804.3	5937.0	6124.0	6293.4	6465.3	6538.6
20°	6226.4	6180.9	6144.3	6043.1	5981.2	6024.2	6141.7	6330.1	6510.8	6684.0	6756.0
22.5°	6782.6	6710.5	6632.2	6457.7	6332.6	6322.5	6395.8	6580.3	6754.8	6912.8	6997.5
25°	7314.7	7256.6	7176.9	6959.5	6766.2	6695.4	6742.1	6895.1	7039.2	7154.2	7227.5
27.5°	7932.8	7846.9	7699.0	7487.9	7269.2	7145.3	7189.6	7298.3	7403.2	7448.7	7491.7
30°	8597.7	8510.5	8353.7	8060.5	7802.6	7663.6	7672.4	7833.0	7860.8	7806.4	7827.9
32.5°	9455.9	9368.7	9182.9	8788.5	8449.8	8238.7	8223.5	8336.0	8338.6	8229.9	8224.8
35°	10543.0	10433.0	10168.8	9688.5	9238.5	8918.7	8890.9	8994.6	9002.2	8864.4	8822.7
37.5°	11756.4	11685.6	11439.1	10759.1	10167.6	9795.9	9696.1	9879.4	9932.5	9741.6	9655.6
40°	13143.0	13083.6	12906.6	12053.4	11307.7	10879.2	10745.2	10934.8	11054.9	10859.0	10746.5
42.5°	14696.4	14633.2	14271.7	13460.3	12698.1	12147.0	12010.5	12163.4	12428.8	12072.4	11853.7
45°	16378.8	16328.3	15748.1	15060.5	14293.2	13773.7	13383.2	13488.1	13773.7	13479.2	13100.0
47.5°	17690.8	17569.5	17166.3	16715.0	16139.9	15490.2	14891.1	14927.8	15159.1	14875.9	14292.0
50°	18664.1	18633.8	18303.9	18076.4	18082.7	17494.9	16548.2	16416.7	16655.6	16280.2	15581.2
52.5°	19527.4	19422.5	19144.4	19239.2	19810.6	19687.9	18197.7	17901.9	18215.4	17792.0	16904.6
55°	19709.4	19488.2	19628.5	20178.4	21260.4	21479.0	19945.8	19580.5	19828.2	19427.6	18277.3
57.5°	19251.9	19220.3	19717.0	20711.8	22379.0	22775.9	21559.9	21250.2	21267.9	21037.9	19618.4
60°	18144.6	18254.6	19349.2	20887.5	23263.8	23937.5	23308.0	22903.5	22702.6	22696.2	20868.5
62.5°	16412.9	16601.3	18076.4	20507.0	23512.8	24853.9	24929.7	24488.6	24029.8	24114.4	21886.0
65°	14203.5	14228.8	15899.8	19326.4	22927.6	25483.4	26432.6	25904.3	25147.1	25282.4	22416.9
67.5°	11623.7	11632.5	13203.7	16868.0	21539.7	25689.4	27725.7	26939.5	25782.9	25673.0	22166.6
70°	8816.3	8844.2	10069.0	13570.2	18652.7	24913.3	28578.9	27622.0	25868.9	24900.7	20831.9
71°	7625.7	7629.5	8894.7	11944.7	17018.4	24060.1	28716.6	27738.3	25694.4	24149.8	19910.4
72.5°	5701.9	5693.0	6795.2	9386.4	14206.0	22037.7	28509.3	27628.3	25196.4	22553.4	18101.6
75°	2993.1	2999.5	3596.1	5437.7	9018.6	16672.1	26263.2	25987.7	23153.8	18582.0	14092.3
77.5°	1566.1	1567.4	1894.7	2741.6	4694.5	9884.4	21049.3	21975.8	19284.7	13202.4	9261.3
80°	1044.1	1050.4	1224.8	1630.6	2574.8	4210.4	13168.3	14980.8	12963.5	7538.5	4828.5
82.5°	766.0	771.0	920.2	1119.9	1736.7	1870.7	5794.1	7778.6	6333.9	3195.4	1979.4
85°	589.0	591.5	719.2	769.8	1149.0	1035.2	1878.3	3148.6	2461.0	653.5	553.6
87.5°	300.8	324.8	467.7	422.2	562.5	409.5	652.2	733.1	628.2	217.4	177.0
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°	5854.8	5854.8	5854.8	5854.8	5854.8	5854.8	5854.8	5854.8	5854.8	5854.8
2.5°	5859.9	5902.8	5930.7	5945.8	5977.4	6010.3	6054.5	6073.5	6084.9	6040.6
5°	5862.4	5943.3	6014.1	6086.1	6168.3	6240.3	6325.0	6370.5	6389.5	6342.7
7.5°	5928.1	6045.7	6162.0	6278.3	6404.6	6502.0	6619.5	6682.7	6723.2	6685.3
10°	6076.0	6241.6	6399.6	6536.1	6657.4	6754.8	6855.9	6916.6	6954.5	6909.0
12.5°	6258.0	6465.3	6653.7	6801.5	6907.7	6969.7	7034.1	7067.0	7092.3	7050.5
15°	6446.4	6685.3	6887.5	7019.0	7072.0	7107.4	7123.9	7123.9	7135.2	7087.2
17.5°	6665.0	6906.5	7097.3	7174.4	7185.8	7152.9	7127.7	7094.8	7072.0	7025.3
20°	6886.2	7121.3	7284.4	7284.4	7189.6	7083.4	6981.0	6911.5	6874.9	6826.8
22.5°	7117.5	7333.7	7422.2	7295.8	7055.6	6858.4	6720.6	6614.5	6577.8	6533.6
25°	7343.8	7538.5	7495.5	7165.6	6797.8	6502.0	6317.4	6215.1	6165.8	6132.9
27.5°	7587.7	7729.3	7472.7	6912.8	6387.0	6071.0	5867.5	5729.7	5662.7	5622.2
30°	7908.8	7918.9	7347.6	6508.3	5902.8	5532.5	5316.4	5169.7	5130.5	5098.9
32.5°	8280.4	8094.6	7117.5	6016.6	5349.2	4957.4	4750.1	4665.4	4608.5	4593.3
35°	8847.9	8271.6	6807.9	5508.5	4771.6	4425.2	4247.0	4154.7	4075.1	4047.3
37.5°	9578.5	8425.8	6398.3	4948.5	4267.2	3967.7	3813.5	3669.4	3536.7	3507.6
40°	10431.7	8568.6	5921.8	4468.2	3856.4	3618.8	3440.6	3235.8	3041.2	3010.8
42.5°	11335.5	8662.1	5440.2	4008.1	3551.8	3338.2	3098.0	2857.9	2686.0	2636.7
45°	12272.1	8645.7	4929.6	3617.5	3312.9	3079.1	2820.0	2601.3	2442.0	2413.0
47.5°	13096.2	8531.9	4475.8	3285.1	3080.3	2857.9	2608.9	2415.5	2280.2	2251.2
50°	13959.5	8352.5	4085.2	2993.1	2871.8	2686.0	2448.4	2282.8	2157.6	2131.1
52.5°	14739.4	8176.8	3634.0	2732.8	2698.6	2553.3	2349.8	2228.4	2074.2	2038.8
55°	15525.6	8020.0	3177.7	2493.9	2558.3	2461.0	2318.2	2251.2	2084.3	2031.2
57.5°	16363.6	7807.7	2758.0	2303.0	2440.8	2453.4	2370.0	2309.3	2150.1	2075.5
60°	17153.6	7393.1	2407.9	2161.4	2391.5	2529.2	2378.8	2176.6	2071.7	2004.7
62.5°	17751.5	6627.1	2161.4	2085.6	2424.3	2510.3	2222.1	2012.3	1963.0	1926.3
65°	17903.2	5417.5	1947.8	2009.7	2319.4	2352.3	2075.5	1889.7	1897.3	1866.9
67.5°	17386.2	4046.0	1763.3	1858.1	2119.7	2180.4	1942.8	1774.6	1840.4	1808.8
70°	15998.4	2840.2	1593.9	1692.5	1941.5	2028.7	1815.1	1657.1	1705.1	1660.9
71°	15223.5	2457.2	1528.2	1620.4	1869.4	1968.0	1760.7	1610.3	1633.1	1577.5
72.5°	13558.8	2011.0	1430.8	1510.5	1756.9	1874.5	1687.4	1525.6	1504.2	1467.5
75°	9754.2	1518.1	1262.7	1322.1	1568.6	1712.7	1532.0	1385.3	1323.4	1301.9
77.5°	5840.9	1176.8	1079.4	1122.4	1391.7	1534.5	1375.2	1233.7	1179.3	1157.8
80°	2673.3	922.7	887.3	921.5	1188.2	1356.3	1228.6	1093.4	1026.4	998.6
82.5°	1094.6	700.3	676.2	719.2	988.4	1157.8	1054.2	924.0	886.1	791.3
85°	506.9	460.1	455.0	490.4	695.2	851.9	773.6	676.2	577.6	559.9
87.5°	230.0	214.9	184.5	227.5	352.7	485.4	444.9	380.5	235.1	225.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)