

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: P622832

Luminaire Tested: **PRV-M-PA6D-730-U-T3**

Issue Date: 9/29/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P622832  
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-PA6D-730-U-T3  
Description: PREVAIL M AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3000K LIGHT ENGINES AND TYPE III OPTICS, BRONZE PAINTED FINISH  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 61159 lumens  
Efficiency: N/A  
Efficacy: 112.4 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

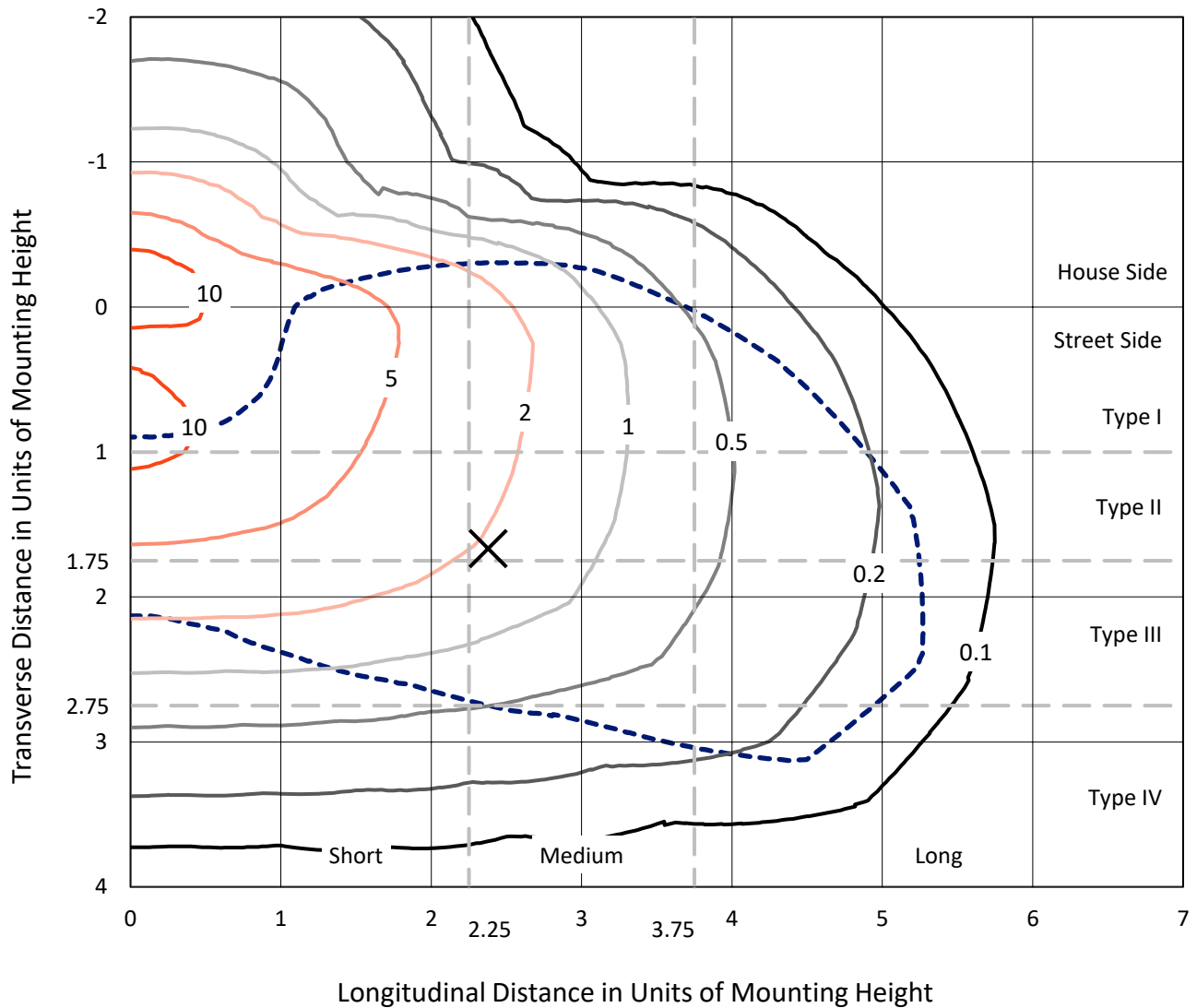
Input Watts (W): 544  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P622832  
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### Iso-Footcandle Lines of Horizontal Illumination

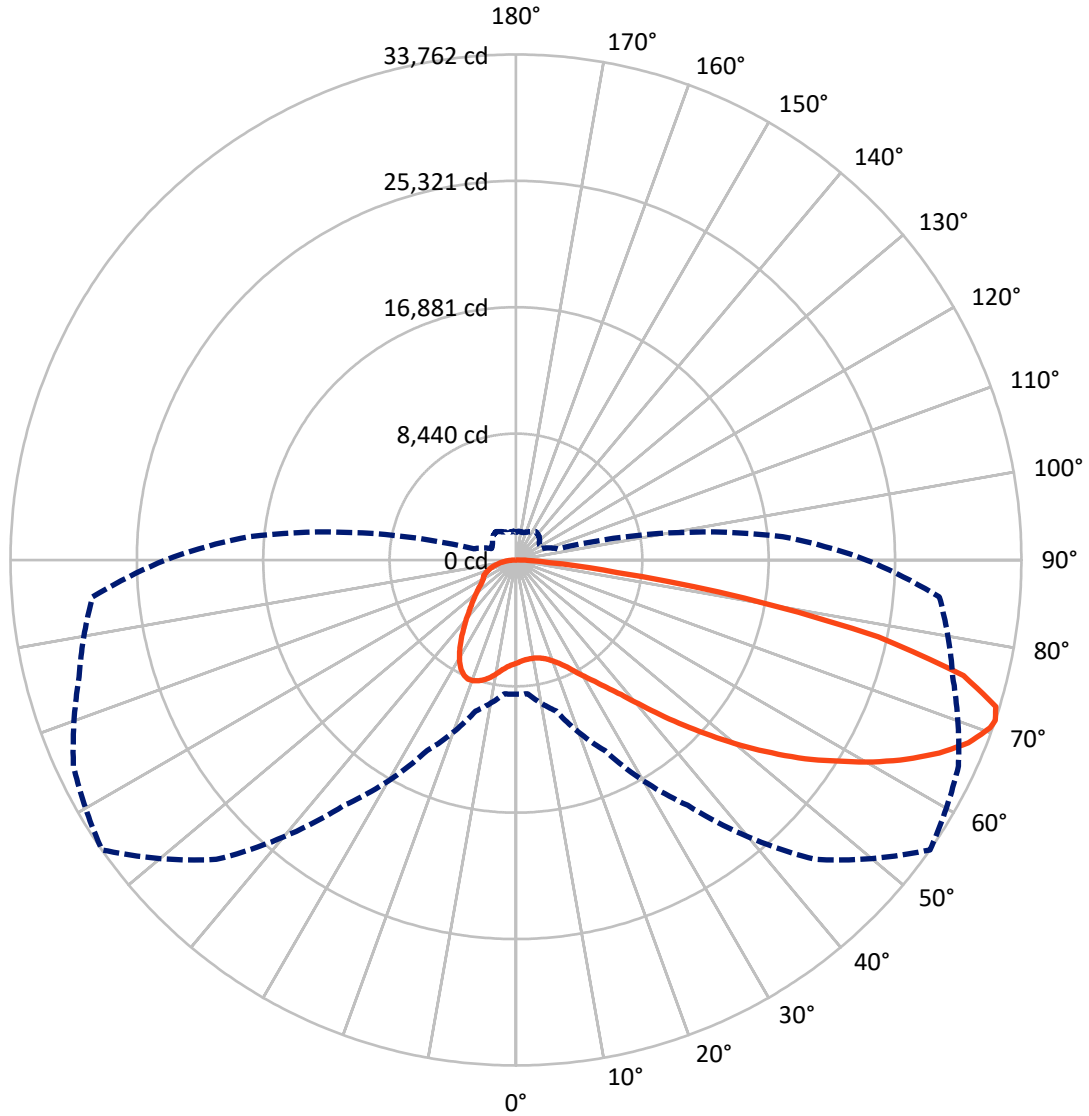
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.2 fc  
 Type IV - Medium - N/A

REPORT NUMBER: P622832  
CATALOG NUMBER: PRV-M-PA6D-730-U-T3

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P622832

CATALOG NUMBER: PRV-M-PA6D-730-U-T3

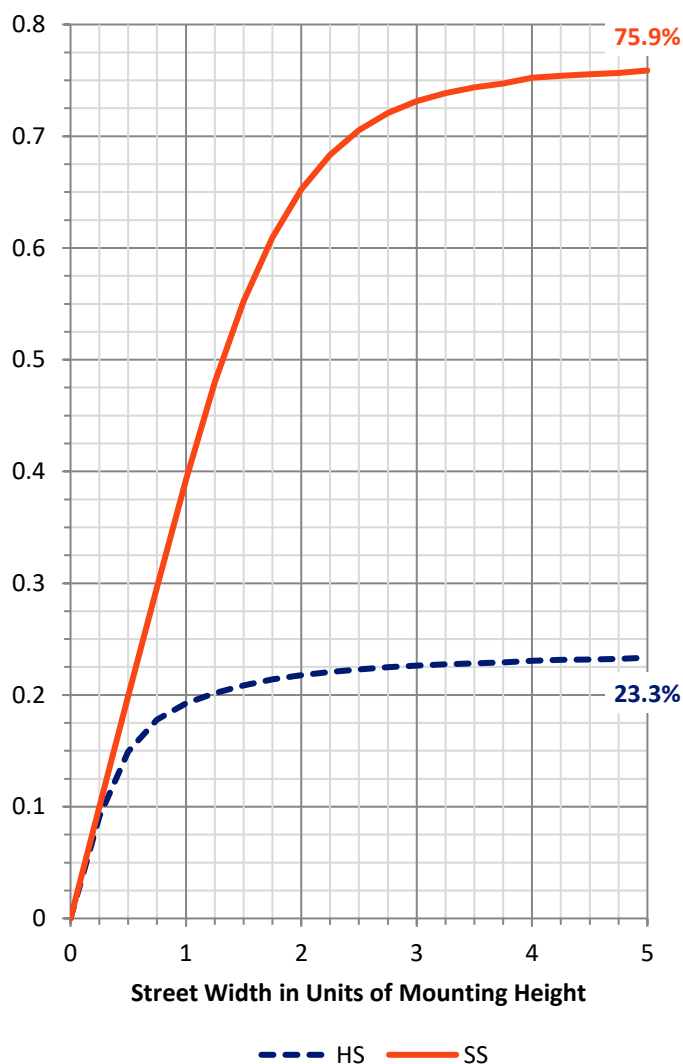
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	14530.3	0.0	14530.3
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	46628.7	0.0	46628.7
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	61159.0	0.0	61159.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	671.0	1.1
10°-20°	2132.9	3.5
20°-30°	3760.0	6.1
30°-40°	5632.6	9.2
40°-50°	8814.4	14.4
50°-60°	12956.6	21.2
60°-70°	15175.3	24.8
70°-80°	10278.4	16.8
80°-90°	1737.8	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°	61159.0	100.0
0°-180°	61159.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P622832

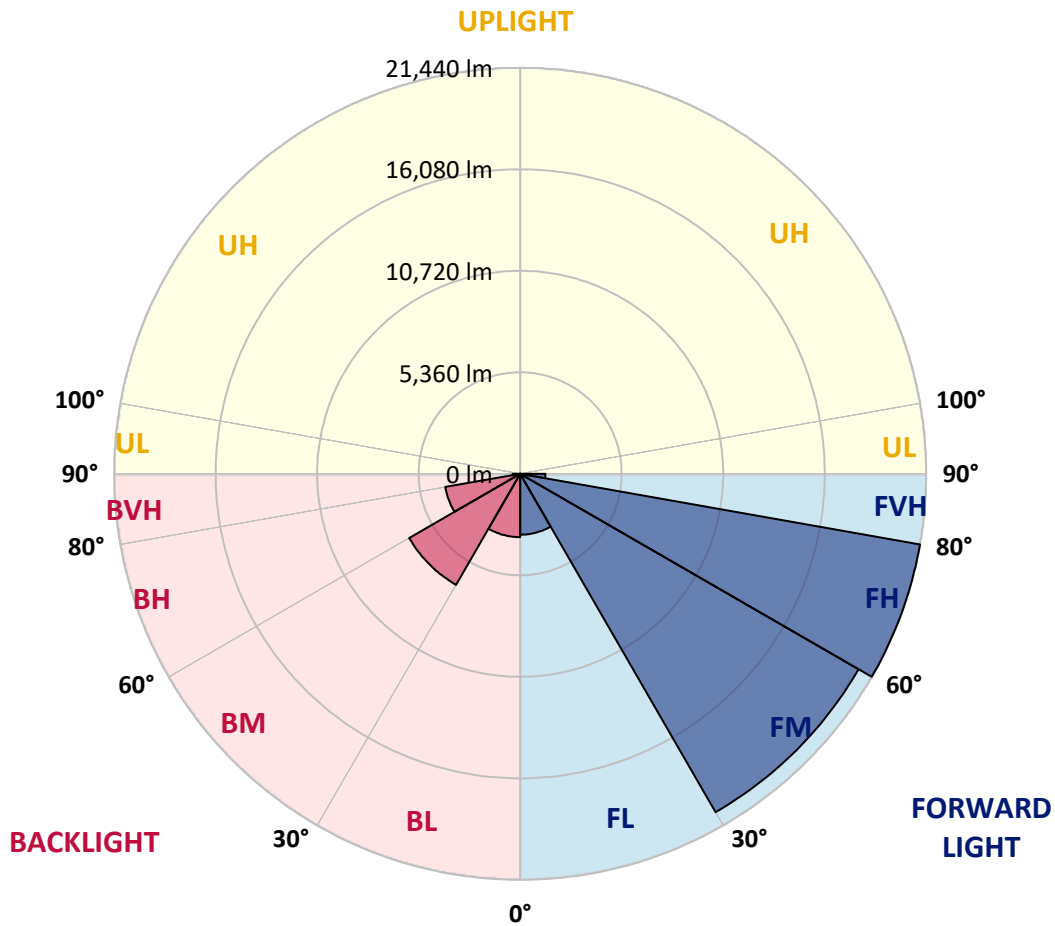
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3217.5	5.3			
FM (30°-60°)	20633.8	33.7			
FH (60°-80°)	21440.4	35.1			G5
FVH (80°-90°)	1337.1	2.2			G5
BL (0°-30°)	3346.5	5.5	B4/5000		
BM (30°-60°)	6769.8	11.1	B4/8500		
BH (60°-80°)	4013.3	6.6	B4/5000		G4/5000
BVH (80°-90°)	400.7	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°	6883.4	6883.4	6883.4	6883.4	6883.4	6883.4	6883.4	6883.4	6883.4	6883.4	6883.4
2.5°	6779.4	6733.3	6734.8	6734.8	6728.9	6757.1	6771.9	6795.7	6818.0	6843.3	6868.5
5°	6605.5	6572.8	6583.2	6602.5	6614.4	6656.0	6690.2	6730.3	6767.5	6818.0	6852.2
7.5°	6439.1	6397.5	6430.2	6479.2	6514.9	6599.6	6662.0	6724.4	6779.4	6858.1	6908.7
10°	6351.4	6314.2	6354.4	6416.8	6474.7	6575.8	6669.4	6766.0	6864.1	6993.4	7055.8
12.5°	6381.1	6344.0	6375.2	6439.1	6498.5	6601.1	6711.0	6862.6	7005.3	7162.8	7244.5
15°	6523.8	6489.6	6510.4	6555.0	6589.2	6681.3	6816.5	7003.8	7180.6	7366.4	7452.6
17.5°	6846.2	6800.2	6777.9	6754.1	6760.1	6824.0	6980.0	7199.9	7399.1	7601.2	7687.4
20°	7320.3	7266.8	7223.7	7104.8	7032.0	7082.5	7220.7	7442.2	7654.7	7858.3	7943.0
22.5°	7974.2	7889.5	7797.3	7592.2	7445.1	7433.2	7519.4	7736.4	7941.5	8127.2	8226.8
25°	8599.8	8531.4	8437.8	8182.2	7954.8	7871.6	7926.6	8106.4	8275.8	8411.1	8497.3
27.5°	9326.5	9225.4	9051.6	8803.4	8546.3	8400.7	8452.7	8580.5	8703.8	8757.3	8807.8
30°	10108.1	10005.6	9821.3	9476.6	9173.4	9009.9	9020.3	9209.1	9241.8	9177.9	9203.1
32.5°	11117.2	11014.6	10796.2	10332.5	9934.3	9686.1	9668.3	9800.5	9803.5	9675.7	9669.8
35°	12395.2	12265.9	11955.3	11390.6	10861.6	10485.6	10452.9	10574.8	10583.7	10421.7	10372.7
37.5°	13821.8	13738.6	13448.8	12649.3	11953.8	11516.9	11399.5	11615.0	11677.4	11453.0	11352.0
40°	15452.0	15382.1	15174.1	14171.0	13294.2	12790.5	12632.9	12855.9	12997.0	12766.7	12634.4
42.5°	17278.3	17204.0	16779.0	15825.0	14928.9	14281.0	14120.5	14300.3	14612.4	14193.3	13936.2
45°	19256.3	19196.8	18514.7	17706.3	16804.3	16193.5	15734.3	15857.7	16193.5	15847.3	15401.5
47.5°	20798.8	20656.1	20182.1	19651.6	18975.4	18211.6	17507.2	17550.3	17822.2	17489.4	16802.8
50°	21943.1	21907.4	21519.5	21252.1	21259.5	20568.5	19455.4	19300.9	19581.7	19140.4	18318.6
52.5°	22958.0	22834.7	22507.8	22619.2	23290.9	23146.8	21394.7	21047.0	21415.5	20917.7	19874.5
55°	23172.0	22912.0	23076.9	23723.4	24995.4	25252.5	23449.9	23020.5	23311.7	22840.6	21488.3
57.5°	22634.1	22596.9	23181.0	24350.5	26310.6	26777.2	25347.6	24983.5	25004.3	24733.9	23065.0
60°	21332.3	21461.6	22748.5	24557.0	27350.8	28142.9	27402.8	26927.3	26691.0	26683.6	24534.7
62.5°	19296.4	19517.8	21252.1	24109.7	27643.6	29220.3	29309.4	28790.8	28251.4	28350.9	25731.0
65°	16698.8	16728.5	18693.1	22721.8	26955.5	29960.3	31076.4	30455.2	29565.0	29724.0	26355.2
67.5°	13665.8	13676.2	15523.3	19831.4	25323.8	30202.6	32596.6	31672.3	30312.5	30183.2	26060.9
70°	10365.2	10397.9	11837.9	15954.3	21929.7	29290.1	33599.7	32474.7	30413.6	29275.3	24491.7
71°	8965.4	8969.8	10457.4	14043.2	20008.2	28287.0	33761.7	32611.4	30208.5	28392.5	23408.3
72.5°	6703.6	6693.2	7989.0	11035.4	16701.8	25909.3	33517.9	32482.2	29623.0	26515.7	21281.8
75°	3519.0	3526.4	4227.8	6393.0	10603.0	19601.0	30877.2	30553.3	27221.5	21846.5	16568.0
77.5°	1841.2	1842.7	2227.6	3223.3	5519.2	11620.9	24747.3	25836.5	22672.7	15521.8	10888.3
80°	1227.5	1234.9	1440.0	1917.0	3027.1	4950.0	15481.7	17612.7	15241.0	8862.8	5676.7
82.5°	900.5	906.5	1081.8	1316.6	2041.8	2199.4	6812.1	9145.2	7446.6	3756.7	2327.2
85°	692.5	695.5	845.6	905.0	1350.8	1217.1	2208.3	3701.8	2893.3	768.3	650.9
87.5°	353.7	381.9	549.8	496.3	661.3	481.5	766.8	861.9	738.6	255.6	208.0
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°	6883.4	6883.4	6883.4	6883.4	6883.4	6883.4	6883.4	6883.4	6883.4	6883.4
2.5°	6889.3	6939.9	6972.6	6990.4	7027.5	7066.2	7118.2	7140.5	7153.9	7101.9
5°	6892.3	6987.4	7070.6	7155.3	7251.9	7336.6	7436.2	7489.7	7512.0	7457.0
7.5°	6969.6	7107.8	7244.5	7381.2	7529.8	7644.3	7782.5	7856.8	7904.3	7859.7
10°	7143.5	7338.1	7523.9	7684.4	7827.0	7941.5	8060.4	8131.7	8176.3	8122.8
12.5°	7357.5	7601.2	7822.6	7996.5	8121.3	8194.1	8269.9	8308.5	8338.2	8289.2
15°	7578.9	7859.7	8097.5	8252.1	8314.5	8356.1	8375.4	8375.4	8388.8	8332.3
17.5°	7836.0	8119.8	8344.2	8434.8	8448.2	8409.6	8379.9	8341.2	8314.5	8259.5
20°	8096.0	8372.4	8564.1	8564.1	8452.7	8327.8	8207.5	8125.7	8082.6	8026.2
22.5°	8368.0	8622.1	8726.1	8577.5	8295.2	8063.3	7901.3	7776.5	7733.4	7681.4
25°	8634.0	8862.8	8812.3	8424.4	7992.0	7644.3	7427.3	7306.9	7249.0	7210.3
27.5°	8920.8	9087.2	8785.5	8127.2	7509.0	7137.5	6898.3	6736.3	6657.5	6610.0
30°	9298.2	9310.1	8638.4	7651.7	6939.9	6504.5	6250.3	6078.0	6031.9	5994.7
32.5°	9735.1	9516.7	8368.0	7073.6	6289.0	5828.3	5584.6	5485.0	5418.2	5400.3
35°	10402.4	9724.7	8003.9	6476.2	5609.9	5202.7	4993.1	4884.7	4791.0	4758.3
37.5°	11261.3	9906.0	7522.4	5817.9	5016.9	4664.7	4483.4	4314.0	4158.0	4123.8
40°	12264.4	10074.0	6962.2	5253.2	4533.9	4254.6	4045.0	3804.3	3575.4	3539.8
42.5°	13326.9	10183.9	6396.0	4712.3	4175.8	3924.7	3642.3	3360.0	3157.9	3099.9
45°	14428.1	10164.6	5795.6	4253.1	3894.9	3620.0	3315.4	3058.3	2871.1	2836.9
47.5°	15397.0	10030.9	5262.1	3862.3	3621.5	3360.0	3067.2	2839.8	2680.8	2646.7
50°	16412.0	9819.8	4802.9	3519.0	3376.3	3157.9	2878.5	2683.8	2536.7	2505.5
52.5°	17328.9	9613.3	4272.4	3212.8	3172.7	3001.8	2762.6	2619.9	2438.6	2397.0
55°	18253.2	9429.0	3735.9	2932.0	3007.8	2893.3	2725.4	2646.7	2450.5	2388.1
57.5°	19238.5	9179.4	3242.6	2707.6	2869.6	2884.4	2786.4	2715.0	2527.8	2440.1
60°	20167.2	8691.9	2830.9	2541.2	2811.6	2973.6	2796.8	2559.0	2435.6	2356.9
62.5°	20870.1	7791.4	2541.2	2452.0	2850.3	2951.3	2612.5	2365.8	2307.8	2264.7
65°	21048.5	6369.2	2290.0	2362.8	2726.9	2765.5	2440.1	2221.7	2230.6	2194.9
67.5°	20440.7	4756.9	2073.0	2184.5	2492.1	2563.4	2284.1	2086.4	2163.7	2126.5
70°	18809.0	3339.2	1873.9	1989.8	2282.6	2385.1	2134.0	1948.2	2004.7	1952.7
71°	17898.0	2888.9	1796.6	1905.1	2197.9	2313.8	2070.1	1893.2	1920.0	1854.6
72.5°	15940.9	2364.3	1682.2	1775.8	2065.6	2203.8	1983.9	1793.7	1768.4	1725.3
75°	11467.9	1784.8	1484.6	1554.4	1844.2	2013.6	1801.1	1628.7	1555.9	1530.6
77.5°	6867.1	1383.5	1269.1	1319.6	1636.1	1804.1	1616.8	1450.4	1386.5	1361.2
80°	3143.0	1084.8	1043.2	1083.3	1396.9	1594.5	1444.4	1285.4	1206.7	1174.0
82.5°	1286.9	823.3	795.0	845.6	1162.1	1361.2	1239.4	1086.3	1041.7	930.3
85°	595.9	540.9	535.0	576.6	817.3	1001.6	909.5	795.0	679.1	658.3
87.5°	270.5	252.6	217.0	267.5	414.6	570.6	523.1	447.3	276.4	264.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)