

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: P622670

Luminaire Tested: **PRV-M-PA6B-730-U-T3**

Issue Date: 9/29/2022

Test Information

Test Method: LM-79-08
Report Number: P622670
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-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: 47375 lumens
Efficiency: N/A
Efficacy: 129.5 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

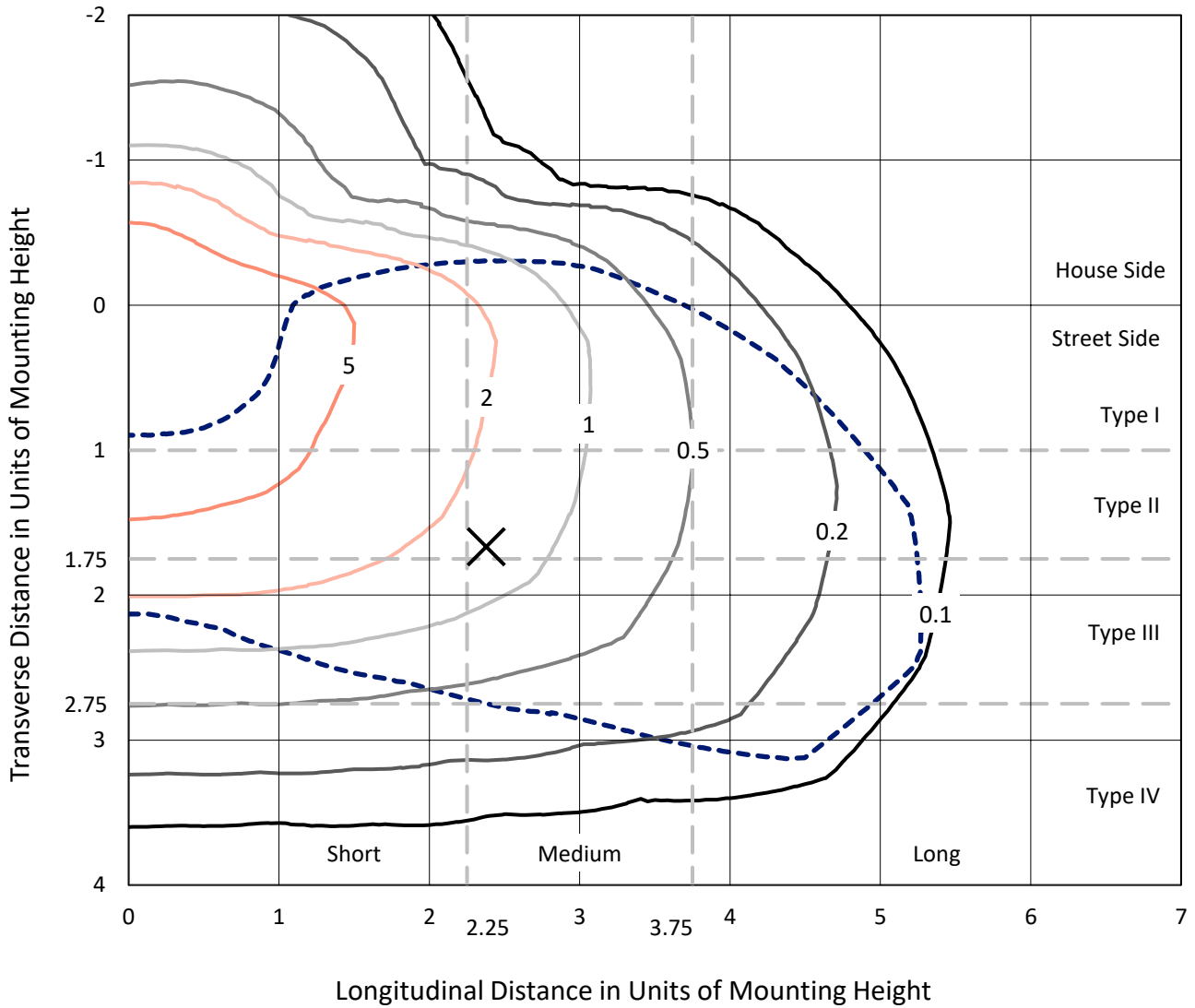
Input Watts (W): 365.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

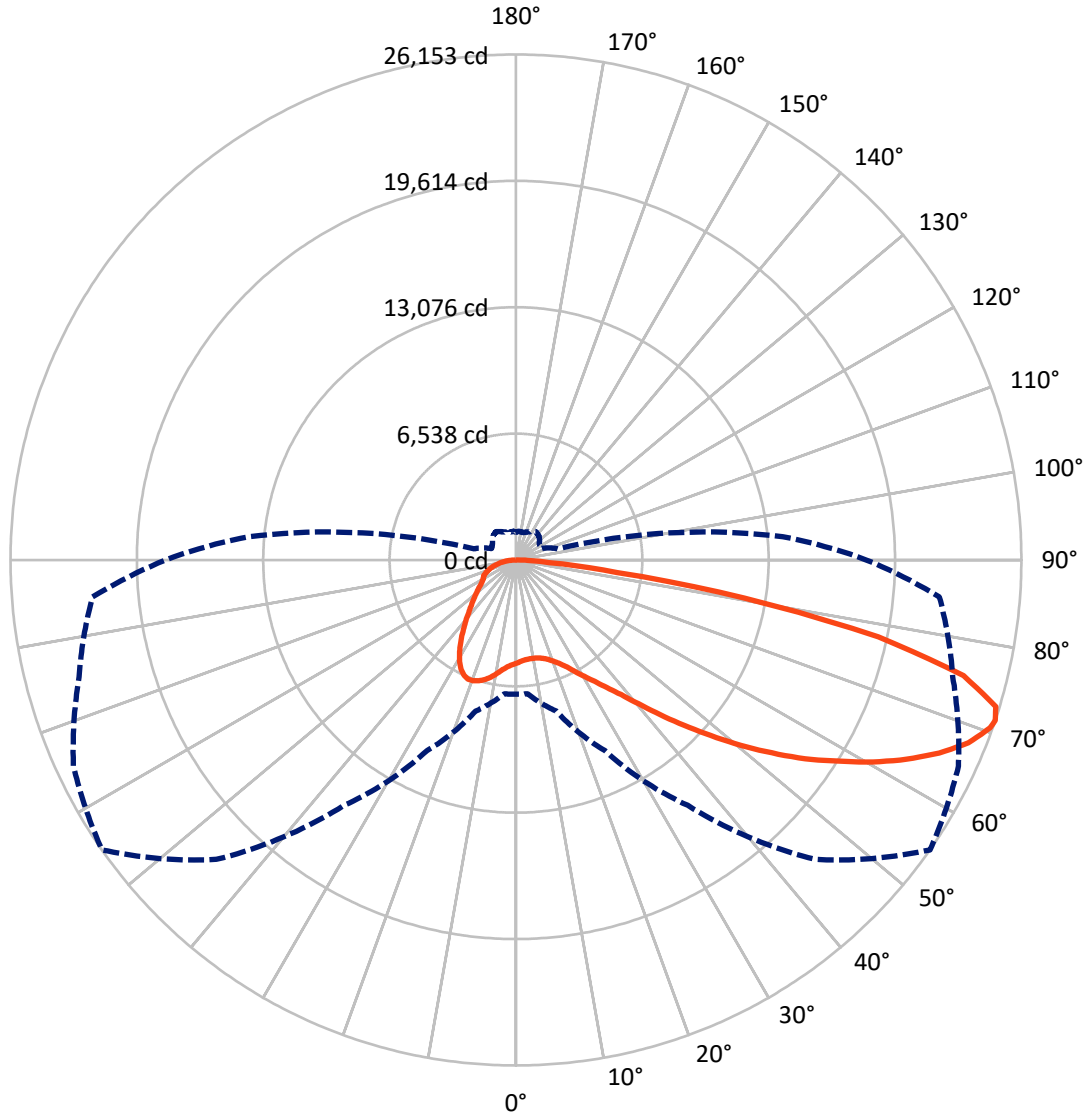
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 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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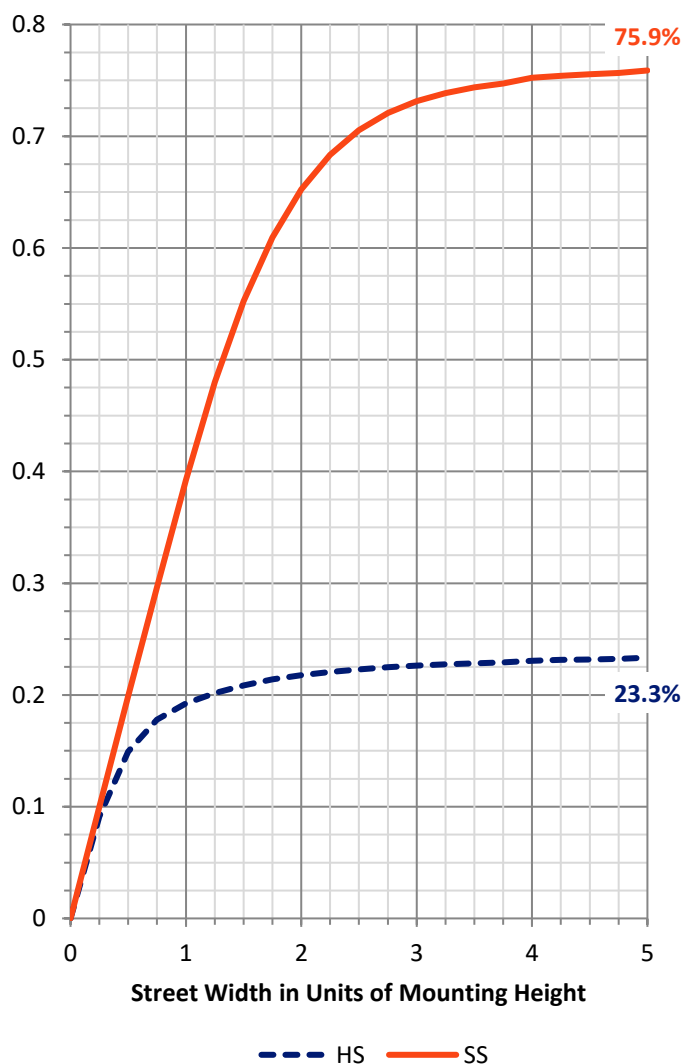
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11255.5	0.0	11255.5
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	36119.5	0.0	36119.5
	% Fixture	76.2	0.0	76.2
Total	Lumens	47375.0	0.0	47375.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	519.8	1.1
10°-20°	1652.2	3.5
20°-30°	2912.6	6.1
30°-40°	4363.1	9.2
40°-50°	6827.8	14.4
50°-60°	10036.4	21.2
60°-70°	11755.1	24.8
70°-80°	7961.9	16.8
80°-90°	1346.1	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°	47375.0	100.0
0°-180°	47375.0	100.0

Coefficient of Utilization



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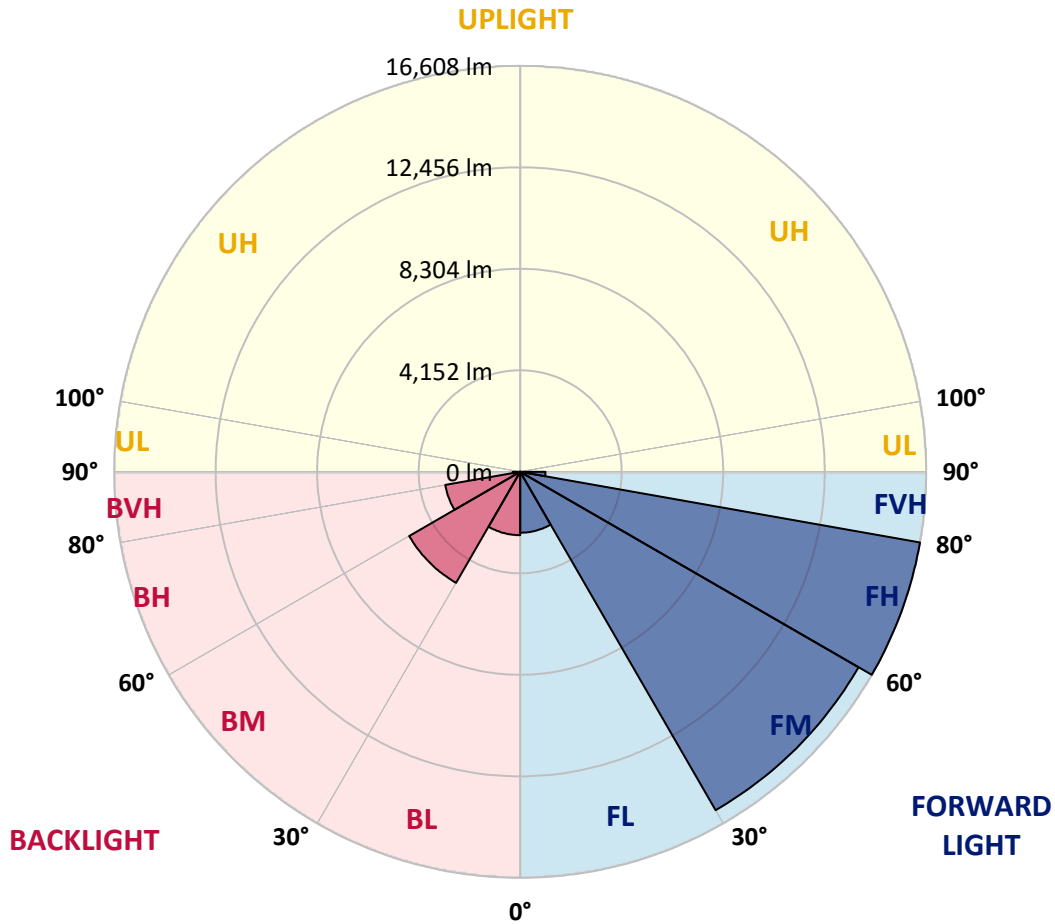
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2492.3	5.3			
FM (30°-60°)	15983.3	33.7			
FH (60°-80°)	16608.2	35.1			G5
FVH (80°-90°)	1035.7	2.2			G5
BL (0°-30°)	2592.3	5.5	B4/5000		
BM (30°-60°)	5244.0	11.1	B4/8500		
BH (60°-80°)	3108.8	6.6	B4/5000		G4/5000
BVH (80°-90°)	310.4	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°	5332.0	5332.0	5332.0	5332.0	5332.0	5332.0	5332.0	5332.0	5332.0	5332.0	5332.0
2.5°	5251.4	5215.8	5216.9	5216.9	5212.3	5234.2	5245.7	5264.1	5281.4	5300.9	5320.5
5°	5116.8	5091.4	5099.5	5114.5	5123.7	5155.9	5182.4	5213.5	5242.2	5281.4	5307.8
7.5°	4987.8	4955.6	4980.9	5018.9	5046.5	5112.2	5160.5	5208.9	5251.4	5312.5	5351.6
10°	4919.9	4891.1	4922.2	4970.6	5015.5	5093.7	5166.3	5241.1	5317.1	5417.2	5465.6
12.5°	4942.9	4914.2	4938.3	4987.8	5033.9	5113.3	5198.5	5315.9	5426.4	5548.4	5611.7
15°	5053.4	5027.0	5043.1	5077.6	5104.1	5175.5	5280.2	5425.3	5562.2	5706.1	5772.9
17.5°	5303.2	5267.6	5250.3	5231.9	5236.5	5286.0	5406.8	5577.2	5731.5	5888.0	5954.8
20°	5670.5	5629.0	5595.6	5503.5	5447.1	5486.3	5593.3	5764.8	5929.5	6087.2	6152.8
22.5°	6176.9	6111.3	6040.0	5881.1	5767.1	5757.9	5824.7	5992.8	6151.6	6295.5	6372.6
25°	6661.6	6608.6	6536.1	6338.1	6162.0	6097.5	6140.1	6279.4	6410.6	6515.4	6582.1
27.5°	7224.5	7146.2	7011.5	6819.3	6620.1	6507.3	6547.6	6646.6	6742.2	6783.6	6822.7
30°	7830.0	7750.5	7607.8	7340.7	7105.9	6979.3	6987.3	7133.5	7158.9	7109.4	7128.9
32.5°	8611.6	8532.2	8362.9	8003.8	7695.3	7503.0	7489.2	7591.7	7594.0	7495.0	7490.4
35°	9601.6	9501.4	9260.8	8823.4	8413.6	8122.4	8097.0	8191.4	8198.3	8072.9	8034.9
37.5°	10706.6	10642.2	10417.7	9798.4	9259.7	8921.2	8830.3	8997.2	9045.6	8871.7	8793.5
40°	11969.4	11915.3	11754.2	10977.2	10298.0	9907.8	9785.7	9958.4	10067.8	9889.3	9786.9
42.5°	13384.2	13326.6	12997.4	12258.4	11564.2	11062.3	10938.0	11077.3	11319.0	10994.4	10795.3
45°	14916.3	14870.3	14341.9	13715.7	13016.9	12543.8	12188.1	12283.7	12543.8	12275.6	11930.3
47.5°	16111.2	16000.7	15633.5	15222.5	14698.7	14107.1	13561.4	13594.8	13805.5	13547.6	13015.8
50°	16997.5	16969.9	16669.5	16462.3	16468.0	15932.8	15070.6	14950.8	15168.4	14826.5	14189.9
52.5°	17783.8	17688.2	17435.0	17521.3	18041.6	17930.0	16572.8	16303.4	16588.9	16203.3	15395.2
55°	17949.5	17748.1	17875.9	18376.6	19362.0	19561.1	18164.8	17832.1	18057.7	17692.8	16645.3
57.5°	17532.8	17504.0	17956.4	18862.4	20380.7	20742.2	19634.8	19352.8	19368.9	19159.4	17866.6
60°	16524.4	16624.6	17621.5	19022.4	21186.5	21800.0	21226.8	20858.4	20675.4	20669.6	19005.1
62.5°	14947.4	15118.9	16462.3	18675.9	21413.3	22634.6	22703.7	22301.9	21884.1	21961.2	19931.8
65°	12935.2	12958.2	14480.0	17600.7	20880.3	23207.9	24072.4	23591.2	22901.7	23024.8	20415.2
67.5°	10585.8	10593.8	12024.7	15361.8	19616.4	23395.5	25250.0	24534.0	23480.7	23380.5	20187.3
70°	8029.1	8054.4	9169.9	12358.5	16987.2	22688.7	26027.0	25155.6	23559.0	22677.2	18971.7
71°	6944.8	6948.2	8100.5	10878.2	15498.8	21911.7	26152.5	25261.5	23400.1	21993.4	18132.6
72.5°	5192.7	5184.7	6188.5	8548.3	12937.5	20069.9	25963.7	25161.3	22946.6	20539.6	16485.3
75°	2725.9	2731.6	3275.0	4952.1	8213.3	15183.4	23918.1	23667.2	21086.4	16922.7	12833.9
77.5°	1426.2	1427.4	1725.5	2496.8	4275.3	9001.8	19169.7	20013.5	17562.7	12023.5	8434.3
80°	950.8	956.6	1115.4	1485.0	2344.8	3834.4	11992.4	13643.2	11806.0	6865.3	4397.3
82.5°	697.6	702.2	838.0	1019.9	1581.6	1703.7	5276.8	7084.0	5768.3	2910.0	1802.7
85°	536.4	538.7	655.0	701.0	1046.4	942.8	1710.6	2867.5	2241.2	595.1	504.2
87.5°	274.0	295.8	425.9	384.5	512.3	373.0	594.0	667.7	572.1	198.0	161.2
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°	5332.0	5332.0	5332.0	5332.0	5332.0	5332.0	5332.0	5332.0	5332.0	5332.0
2.5°	5336.6	5375.8	5401.1	5414.9	5443.7	5473.6	5513.9	5531.2	5541.5	5501.2
5°	5338.9	5412.6	5477.1	5542.7	5617.5	5683.1	5760.2	5801.7	5818.9	5776.4
7.5°	5398.8	5505.8	5611.7	5717.6	5832.8	5921.4	6028.5	6086.0	6122.8	6088.3
10°	5533.5	5684.3	5828.2	5952.5	6063.0	6151.6	6243.7	6299.0	6333.5	6292.1
12.5°	5699.2	5888.0	6059.5	6194.2	6290.9	6347.3	6406.0	6436.0	6459.0	6421.0
15°	5870.7	6088.3	6272.5	6392.2	6440.6	6472.8	6487.8	6487.8	6498.1	6454.4
17.5°	6069.9	6289.8	6463.6	6533.8	6544.2	6514.2	6491.2	6461.3	6440.6	6398.0
20°	6271.3	6485.5	6633.9	6633.9	6547.6	6450.9	6357.7	6294.4	6261.0	6217.2
22.5°	6482.0	6678.8	6759.4	6644.3	6425.6	6246.0	6120.5	6023.8	5990.5	5950.2
25°	6688.0	6865.3	6826.2	6525.7	6190.8	5921.4	5753.3	5660.1	5615.2	5585.3
27.5°	6910.2	7039.1	6805.5	6295.5	5816.6	5528.9	5343.5	5218.1	5157.1	5120.2
30°	7202.6	7211.8	6691.5	5927.2	5375.8	5038.5	4841.6	4708.1	4672.4	4643.6
32.5°	7541.0	7371.8	6482.0	5479.4	4871.6	4514.7	4325.9	4248.8	4197.0	4183.2
35°	8057.9	7533.0	6200.0	5016.6	4345.5	4030.1	3867.8	3783.8	3711.2	3685.9
37.5°	8723.2	7673.4	5827.0	4506.7	3886.2	3613.4	3473.0	3341.7	3220.9	3194.4
40°	9500.3	7803.5	5393.0	4069.2	3512.1	3295.7	3133.4	2946.9	2769.6	2742.0
42.5°	10323.3	7888.7	4954.5	3650.2	3234.7	3040.1	2821.4	2602.7	2446.1	2401.3
45°	11176.3	7873.7	4489.4	3294.5	3017.1	2804.1	2568.2	2369.0	2224.0	2197.5
47.5°	11926.8	7770.1	4076.1	2991.8	2805.3	2602.7	2375.9	2199.8	2076.6	2050.2
50°	12713.1	7606.6	3720.4	2725.9	2615.4	2446.1	2229.7	2078.9	1965.0	1940.8
52.5°	13423.3	7446.6	3309.5	2488.7	2457.7	2325.3	2139.9	2029.4	1889.0	1856.8
55°	14139.3	7303.9	2893.9	2271.2	2329.9	2241.2	2111.2	2050.2	1898.2	1849.9
57.5°	14902.5	7110.5	2511.8	2097.4	2222.8	2234.3	2158.4	2103.1	1958.1	1890.2
60°	15621.9	6732.9	2192.9	1968.4	2177.9	2303.4	2166.4	1982.2	1886.7	1825.7
62.5°	16166.4	6035.4	1968.4	1899.4	2207.9	2286.1	2023.7	1832.6	1787.7	1754.3
65°	16304.6	4933.7	1773.9	1830.3	2112.3	2142.2	1890.2	1720.9	1727.8	1700.2
67.5°	15833.8	3684.8	1605.8	1692.2	1930.4	1985.7	1769.3	1616.2	1676.0	1647.3
70°	14569.8	2586.6	1451.6	1541.4	1768.1	1847.6	1653.0	1509.1	1552.9	1512.6
71°	13864.2	2237.8	1391.7	1475.7	1702.5	1792.3	1603.5	1466.5	1487.3	1436.6
72.5°	12348.1	1831.4	1303.1	1375.6	1600.1	1707.1	1536.8	1389.4	1369.8	1336.5
75°	8883.2	1382.5	1150.0	1204.1	1428.5	1559.8	1395.2	1261.6	1205.2	1185.7
77.5°	5319.4	1071.7	983.1	1022.2	1267.4	1397.5	1252.4	1123.5	1074.0	1054.4
80°	2434.6	840.3	808.1	839.2	1082.1	1235.2	1118.9	995.7	934.7	909.4
82.5°	996.9	637.7	615.9	655.0	900.2	1054.4	960.0	841.5	806.9	720.6
85°	461.6	419.0	414.4	446.6	633.1	775.9	704.5	615.9	526.1	509.9
87.5°	209.5	195.7	168.1	207.2	321.2	442.0	405.2	346.5	214.1	204.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)