

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: P622831

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

Issue Date: 9/29/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P622831  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2207-719-11)  
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-HSS  
Description: PREVAIL M AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3000K LIGHT ENGINES AND TYPE III OPTICS WITH HOUSE SIDE SHIELD, BRONZE PAINTED FINISH  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 44818 lumens  
Efficiency: N/A  
Efficacy: 82.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G5

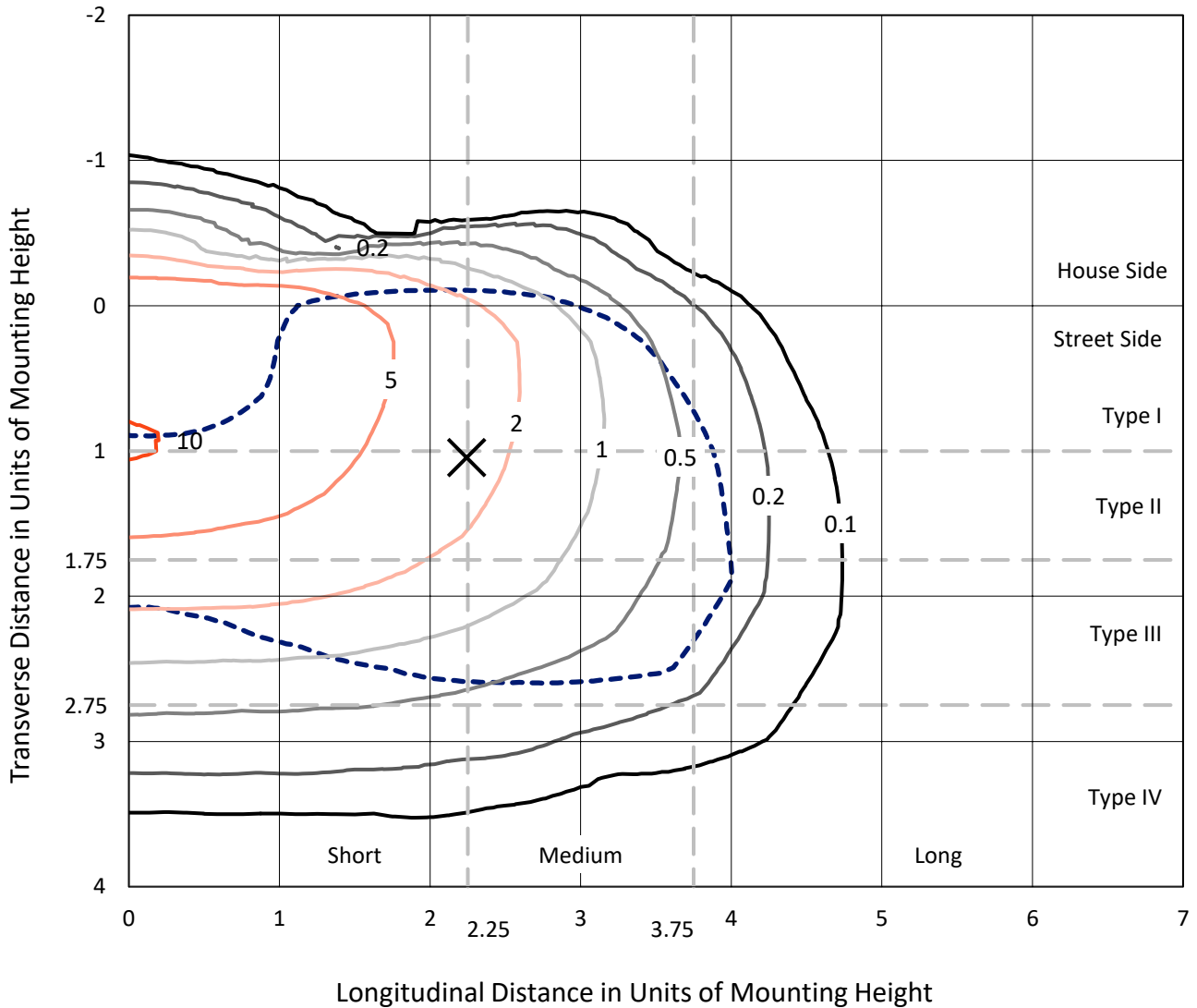
Input Watts (W): 544  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

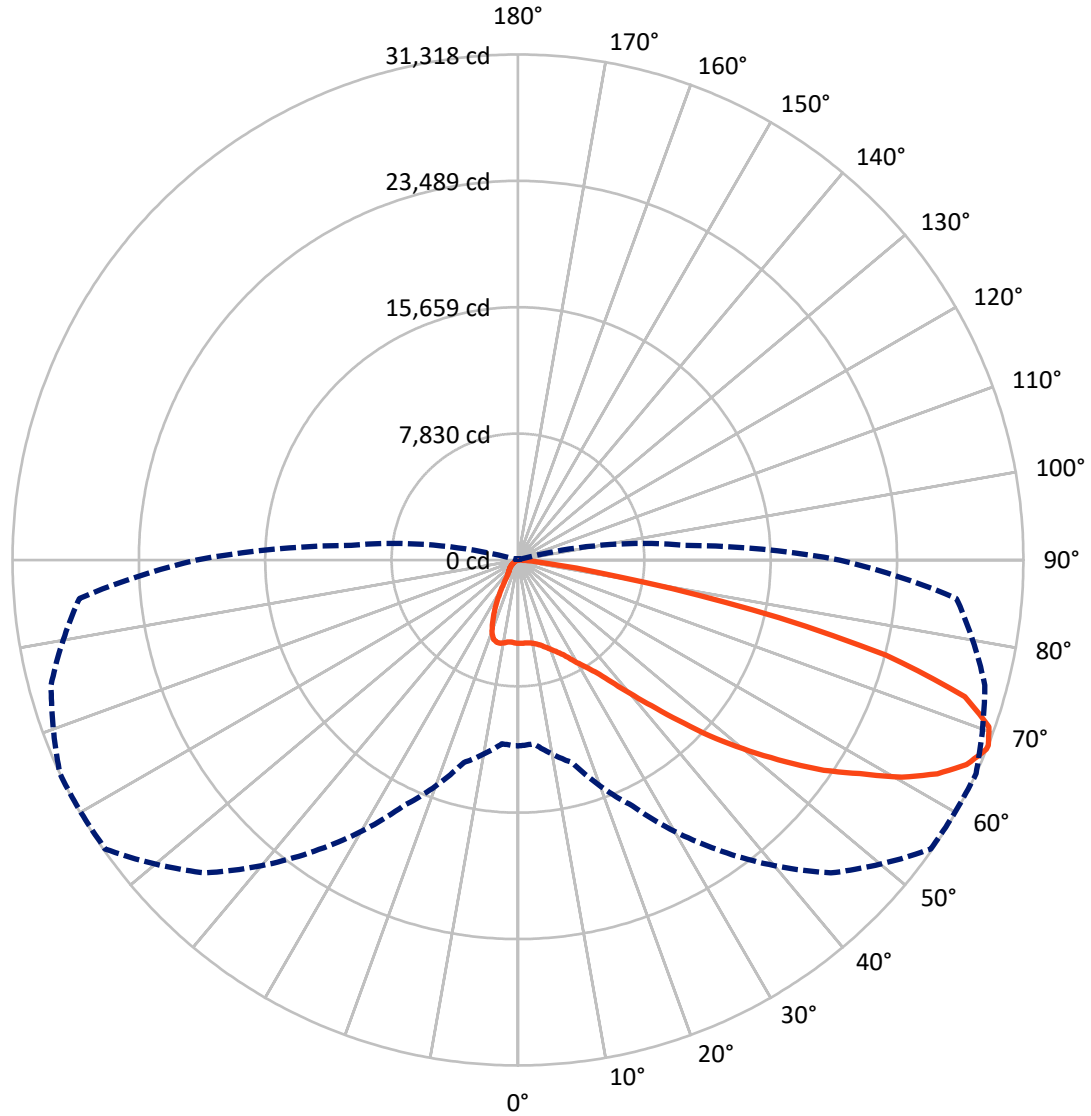
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral    - - - Horizontal Cone Through 68-Deg Vertical

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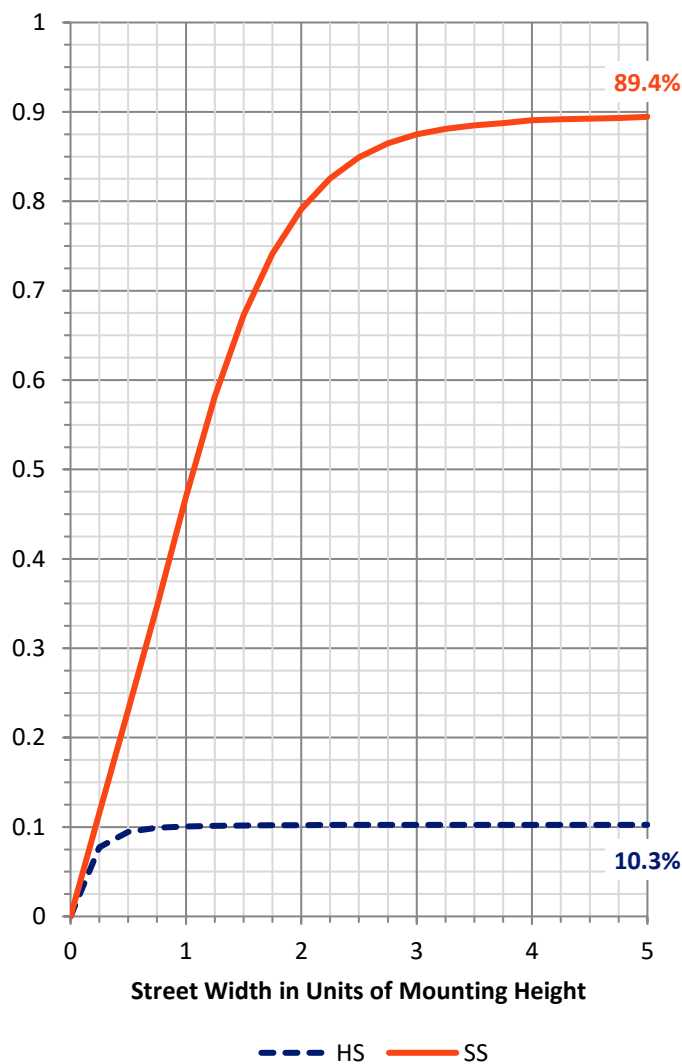
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4637.0	0.0	4637.0
	% Fixture	10.3	0.0	10.3
<b>Street Side</b>	Lumens	40181.0	0.0	40181.0
	% Fixture	89.7	0.0	89.7
<b>Total</b>	Lumens	44818.0	0.0	44818.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	481.1	1.1
10°-20°	1265.2	2.8
20°-30°	2002.7	4.5
30°-40°	3496.4	7.8
40°-50°	6783.7	15.1
50°-60°	10994.0	24.5
60°-70°	12779.1	28.5
70°-80°	6634.6	14.8
80°-90°	381.3	0.9
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°	44818.0	100.0
0°-180°	44818.0	100.0

**Coefficient of Utilization**



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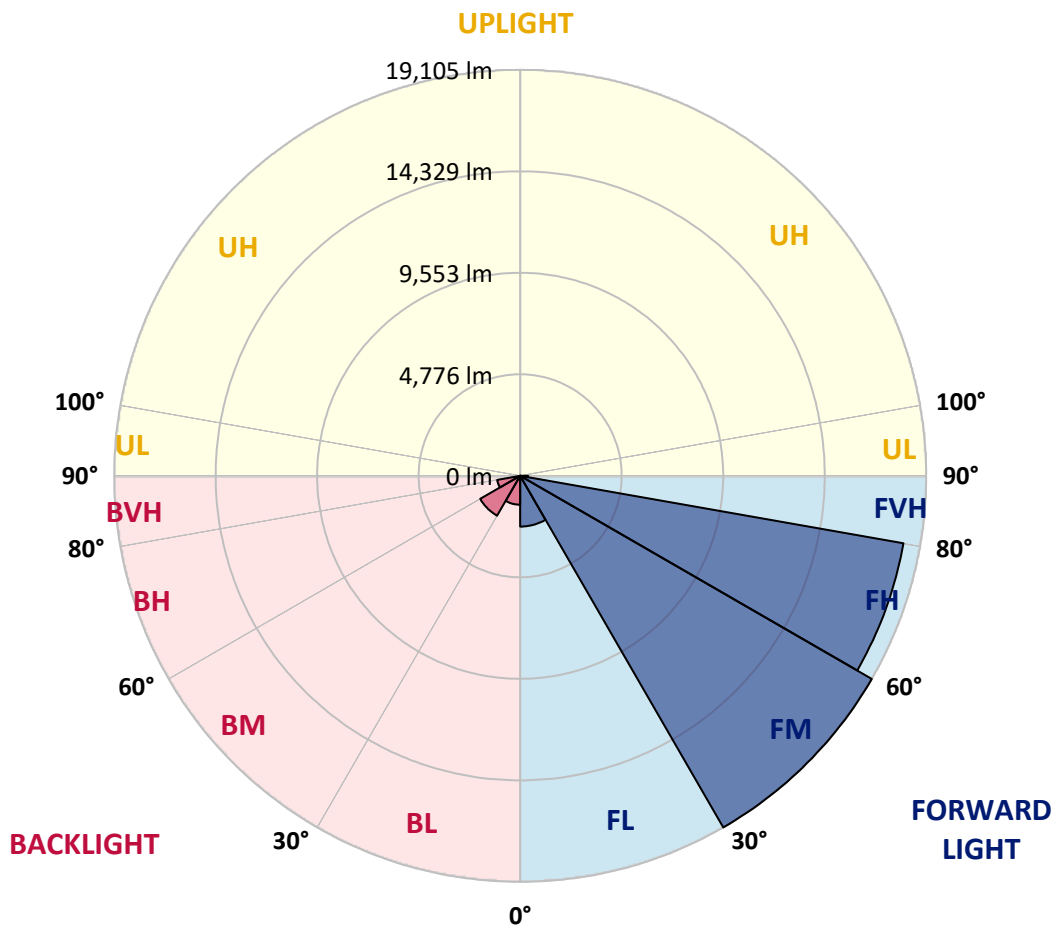
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2388.0	5.3			
FM (30°-60°)	19105.0	42.6			
FH (60°-80°)	18314.9	40.9			G5
FVH (80°-90°)	373.1	0.8			G3/500
BL (0°-30°)	1361.0	3.0	B3/2500		
BM (30°-60°)	2169.0	4.8	B2/2500		
BH (60°-80°)	1098.8	2.5	B3/2500		G3/2500
BVH (80°-90°)	8.2	0.0			G0/10
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 Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5165.5	5165.5	5165.5	5165.5	5165.5	5165.5	5165.5	5165.5	5165.5	5165.5	5165.5
2.5°	5227.9	5183.3	5186.3	5181.8	5165.5	5177.4	5169.9	5167.0	5155.1	5150.6	5149.1
5°	5138.7	5097.1	5110.5	5122.4	5122.4	5152.1	5158.0	5161.0	5147.6	5140.2	5131.3
7.5°	4999.0	4964.9	4987.1	5028.8	5058.5	5125.3	5161.0	5187.8	5184.8	5186.3	5175.9
10°	4883.1	4850.4	4893.5	4955.9	5016.9	5114.9	5184.8	5251.7	5290.3	5317.0	5314.1
12.5°	4844.5	4816.3	4856.4	4930.7	5009.4	5123.9	5229.4	5351.2	5443.4	5496.9	5489.4
15°	4850.4	4820.7	4860.8	4941.1	5027.3	5161.0	5315.6	5504.3	5641.0	5690.0	5699.0
17.5°	4898.0	4862.3	4893.5	4967.8	5070.4	5241.3	5458.2	5694.5	5866.9	5932.3	5930.8
20°	4961.9	4921.8	4950.0	5016.9	5137.2	5366.1	5639.5	5924.8	6126.9	6192.3	6183.4
22.5°	5057.0	5012.4	5033.2	5098.6	5253.1	5542.9	5853.5	6183.4	6406.3	6470.2	6443.5
25°	5317.0	5247.2	5205.6	5216.0	5401.8	5761.4	6147.7	6497.0	6730.3	6754.0	6712.4
27.5°	5981.3	5930.8	5721.3	5517.7	5583.0	5997.7	6525.2	6935.3	7146.4	7109.2	7052.7
30°	7349.9	7158.3	6828.3	6300.8	5990.2	6250.3	6889.3	7448.0	7639.7	7553.5	7445.1
32.5°	8984.6	8758.7	8274.3	7510.4	6816.5	6679.7	7324.7	7991.9	8214.8	8048.4	7938.4
35°	10595.5	10509.3	10005.5	9076.7	8061.8	7455.5	7911.7	8697.8	9008.4	8858.3	8743.9
37.5°	12427.7	12225.6	11796.2	10721.8	9576.0	8578.9	8715.6	9744.0	10173.4	9956.5	9776.7
40°	14267.5	14046.0	13615.1	12417.3	11316.2	10160.0	9877.7	11047.2	11635.7	11357.8	11057.6
42.5°	16084.9	16059.6	15509.8	14405.7	13154.4	12124.6	11537.6	12557.0	13291.1	12974.6	12473.8
45°	18431.3	18198.0	17504.1	16512.9	15450.3	14347.7	13609.1	14445.8	15327.0	14667.2	13869.2
47.5°	19875.8	19742.0	19184.8	18565.1	17949.9	16915.6	15909.5	16529.2	17278.2	16411.8	15260.1
50°	21106.2	20947.2	20551.9	20337.9	20308.2	19709.3	18386.8	18605.2	19238.3	18232.2	16596.1
52.5°	21870.0	21721.4	21467.3	21770.5	22477.8	22627.9	20806.0	20757.0	21381.1	20048.2	17865.2
55°	21887.9	21547.6	21748.2	22627.9	24262.6	24900.1	23295.1	22995.0	23225.3	21978.5	19052.5
57.5°	21124.0	21003.7	21596.6	23011.3	25418.7	26586.7	25610.4	24974.4	25151.2	23861.3	20083.8
60°	19562.2	19578.6	20881.8	22874.6	26114.2	27930.1	27763.7	27325.3	27081.6	25616.3	20883.3
62.5°	17368.8	17480.3	19150.6	22046.9	25967.0	28628.5	29637.6	29166.5	28576.5	27081.6	21332.1
65°	14919.8	14873.8	16668.9	20296.3	24641.5	28636.0	30896.2	30555.9	29703.0	27851.3	21204.3
67.5°	12120.1	12023.5	13653.7	17496.6	22562.5	27705.7	31227.6	31304.9	30009.1	27521.4	20247.3
68°	11518.3	11432.1	12995.4	16810.1	22029.0	27415.9	31217.2	31318.3	29948.1	27273.3	19927.8
70°	9005.4	8917.7	10194.2	13612.1	19336.3	25668.4	30725.3	30957.2	29157.6	25592.6	18102.9
72.5°	5055.5	5214.5	6360.2	9219.4	14425.0	22011.2	28725.1	28957.0	26285.1	20531.1	13622.5
75°	1627.2	1609.4	2590.2	4440.3	8229.7	14891.6	23529.9	23543.3	19740.5	12435.2	7526.8
77.5°	856.0	863.4	1043.2	1807.0	3342.1	6549.0	14407.1	14814.3	10223.9	4719.7	2570.8
80°	533.5	542.4	646.4	1041.7	1820.4	2227.6	6297.8	6315.7	2952.8	1072.9	613.7
82.5°	359.6	365.6	451.8	676.1	1211.1	910.9	1920.0	1899.2	836.6	338.8	205.1
85°	170.9	173.9	291.3	463.6	592.9	377.5	554.3	587.0	414.6	160.5	87.7
87.5°	35.7	40.1	147.1	202.1	178.3	74.3	156.0	124.8	169.4	65.4	40.1
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):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5165.5	5165.5	5165.5	5165.5	5165.5	5165.5	5165.5	5165.5	5165.5	5165.5
2.5°	5155.1	5159.5	5146.2	5122.4	5119.4	5113.5	5123.9	5120.9	5123.9	5089.7
5°	5134.3	5128.3	5103.1	5074.8	5068.9	5058.5	5062.9	5051.0	5052.5	5008.0
7.5°	5178.8	5161.0	5116.4	5058.5	4987.1	4898.0	4831.1	4759.8	4753.8	4700.3
10°	5318.5	5290.3	5210.1	5033.2	4804.4	4493.8	4207.0	3942.5	3872.6	3768.6
12.5°	5487.9	5446.3	5272.5	4908.4	4349.6	3704.7	3138.5	2848.7	2723.9	2664.5
15°	5687.1	5605.3	5260.6	4533.9	3518.9	2664.5	2145.8	1838.2	1765.4	1714.9
17.5°	5920.4	5756.9	5138.7	3819.1	2648.1	1860.5	1512.8	1423.6	1413.2	1411.7
20°	6161.1	5874.3	4798.4	3043.4	1888.8	1423.6	1355.3	1324.1	1310.7	1306.2
22.5°	6400.4	5939.7	4205.5	2306.3	1422.1	1315.1	1266.1	1221.5	1200.7	1184.4
25°	6661.9	5930.8	3508.5	1667.3	1294.3	1229.0	1159.1	1096.7	1067.0	1046.2
27.5°	6975.5	5785.2	2792.3	1318.1	1202.2	1120.5	1031.3	954.0	910.9	900.5
30°	7338.1	5441.9	2105.7	1166.5	1084.8	998.6	884.2	784.6	741.5	732.6
32.5°	7789.8	4961.9	1490.5	1038.7	948.1	854.5	725.2	619.7	575.1	555.8
35°	8421.4	4401.6	1138.3	918.4	811.4	697.0	563.2	483.0	444.3	436.9
37.5°	9188.2	3820.6	971.9	811.4	689.5	551.3	432.4	376.0	350.7	346.2
40°	10064.9	3232.1	867.8	711.8	575.1	428.0	335.8	291.3	280.9	279.4
42.5°	10923.9	2584.2	787.6	621.2	466.6	331.4	257.1	231.8	228.9	230.3
45°	11635.7	1911.0	708.8	537.9	370.0	255.6	203.6	187.2	191.7	194.7
47.5°	12203.4	1334.5	633.1	451.8	289.8	206.6	167.9	157.5	165.0	167.9
50°	12626.9	992.7	560.2	368.5	233.3	172.4	142.7	133.7	145.6	148.6
52.5°	12895.8	820.3	478.5	295.7	194.7	148.6	120.4	112.9	127.8	132.3
55°	13040.0	710.3	405.7	242.2	167.9	127.8	101.1	96.6	112.9	117.4
57.5°	13013.2	616.7	338.8	203.6	150.1	112.9	84.7	81.7	99.6	105.5
60°	12771.0	529.0	277.9	170.9	133.7	99.6	72.8	69.8	89.2	93.6
62.5°	12341.6	436.9	224.4	145.6	120.4	89.2	62.4	59.4	75.8	80.2
65°	11616.4	338.8	175.4	126.3	108.5	78.8	53.5	46.1	60.9	63.9
67.5°	10623.7	260.1	141.2	108.5	98.1	71.3	44.6	35.7	46.1	49.0
68°	10378.5	246.7	135.2	104.0	95.1	69.8	43.1	34.2	44.6	46.1
70°	9142.1	203.6	114.4	90.6	86.2	62.4	37.2	26.7	34.2	35.7
72.5°	6250.3	162.0	93.6	75.8	71.3	53.5	29.7	19.3	25.3	25.3
75°	2058.2	123.3	72.8	55.0	52.0	40.1	20.8	13.4	16.3	16.3
77.5°	451.8	81.7	47.6	34.2	31.2	25.3	13.4	5.9	8.9	8.9
80°	142.7	41.6	26.7	19.3	17.8	13.4	7.4	1.5	1.5	3.0
82.5°	55.0	20.8	19.3	14.9	11.9	8.9	4.5	0.0	0.0	0.0
85°	28.2	14.9	14.9	11.9	8.9	5.9	3.0	0.0	0.0	0.0
87.5°	16.3	13.4	13.4	10.4	7.4	3.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)