

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: P622750

Luminaire Tested: **PRV-M-PA6C-730-U-T3-HSS**

Issue Date: 9/29/2022

Test Information

Test Method: LM-79-08
Report Number: P622750
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-PA6C-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: 40872 lumens
Efficiency: N/A
Efficacy: 89.4 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

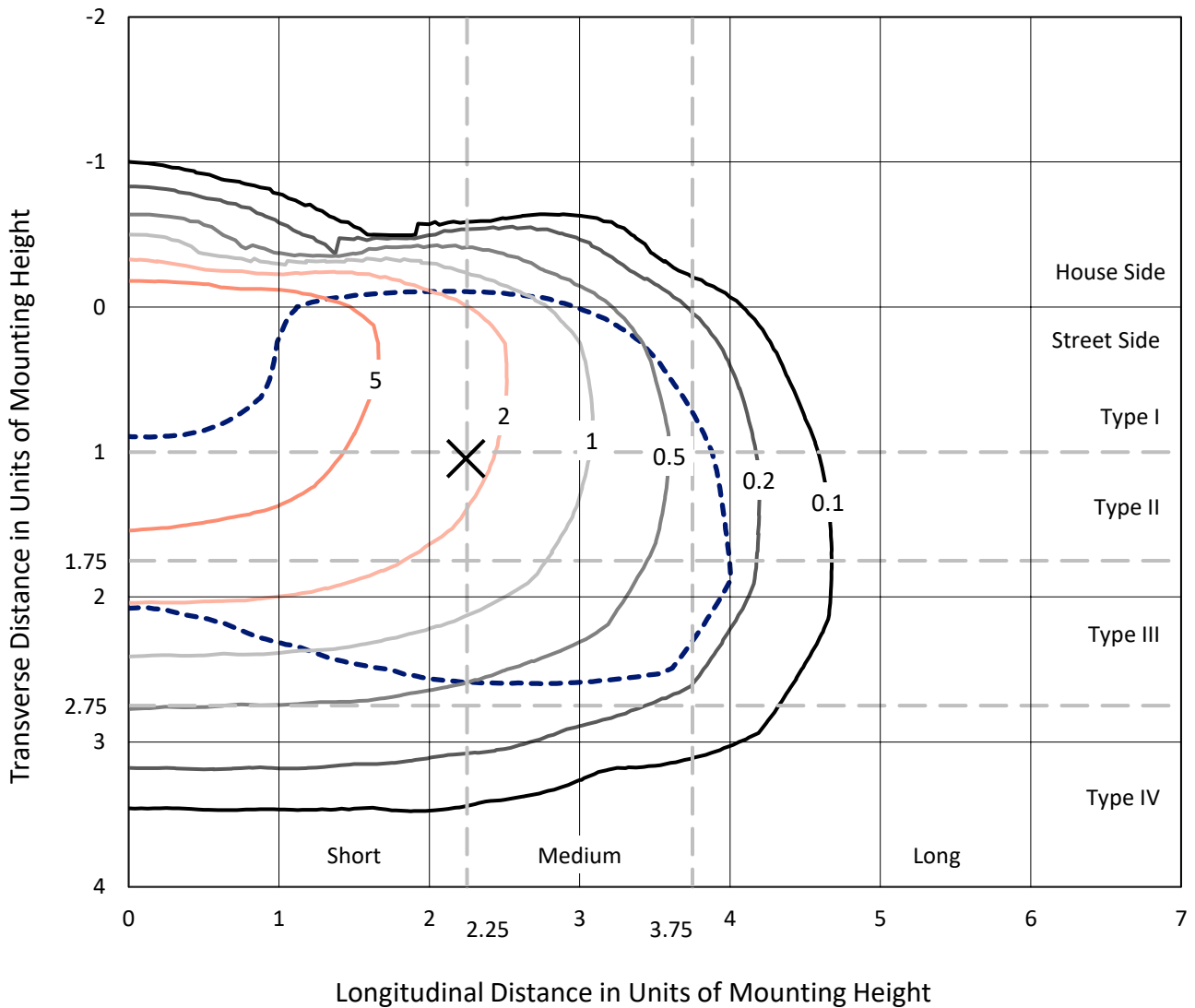
Input Watts (W): 457.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P622750
 CATALOG NUMBER: PRV-M-PA6C-730-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

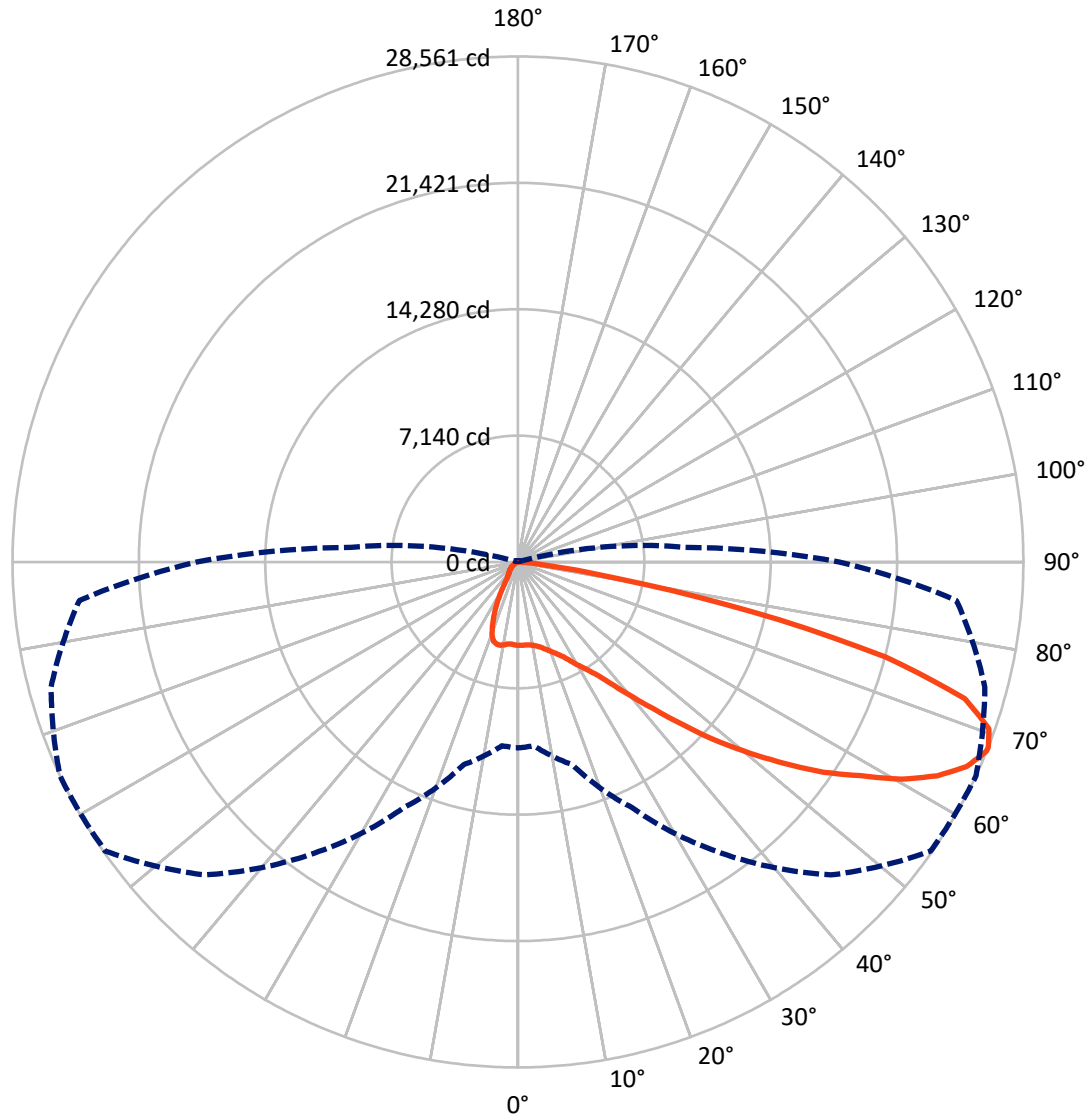
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.5 fc
 Type III - Short - N/A

REPORT NUMBER: P622750
CATALOG NUMBER: PRV-M-PA6C-730-U-T3-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P622750
 CATALOG NUMBER: PRV-M-PA6C-730-U-T3-HSS

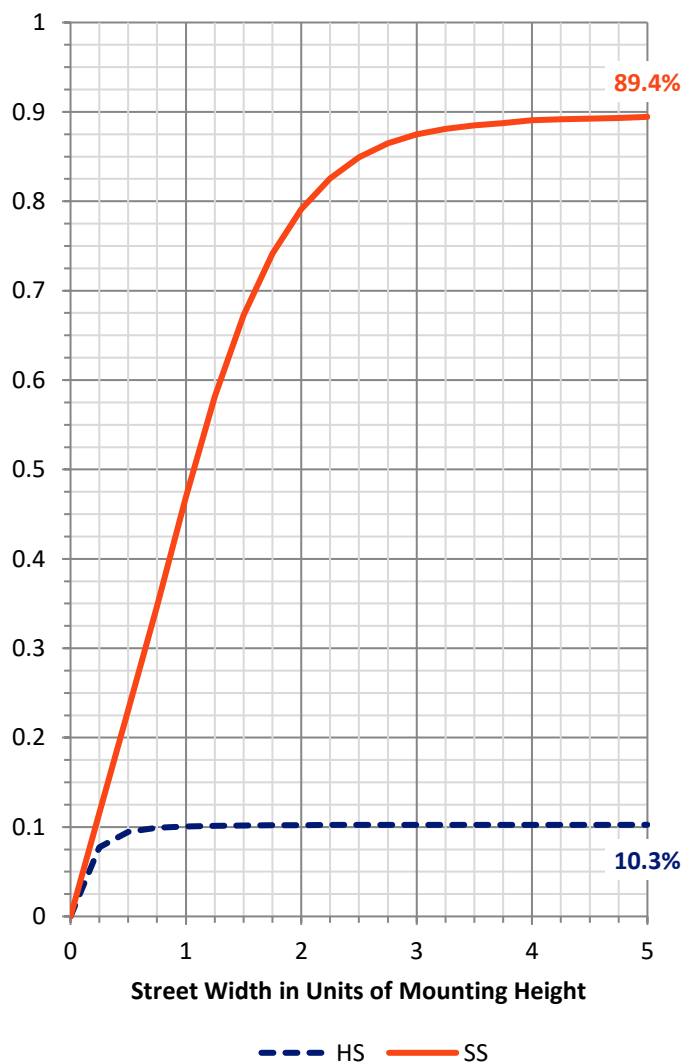
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4228.7	0.0	4228.7
	% Fixture	10.3	0.0	10.3
Street Side	Lumens	36643.3	0.0	36643.3
	% Fixture	89.7	0.0	89.7
Total	Lumens	40872.0	0.0	40872.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	438.7	1.1
10°-20°	1153.8	2.8
20°-30°	1826.3	4.5
30°-40°	3188.6	7.8
40°-50°	6186.4	15.1
50°-60°	10026.0	24.5
60°-70°	11653.9	28.5
70°-80°	6050.5	14.8
80°-90°	347.7	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°	40872.0	100.0
0°-180°	40872.0	100.0

Coefficient of Utilization



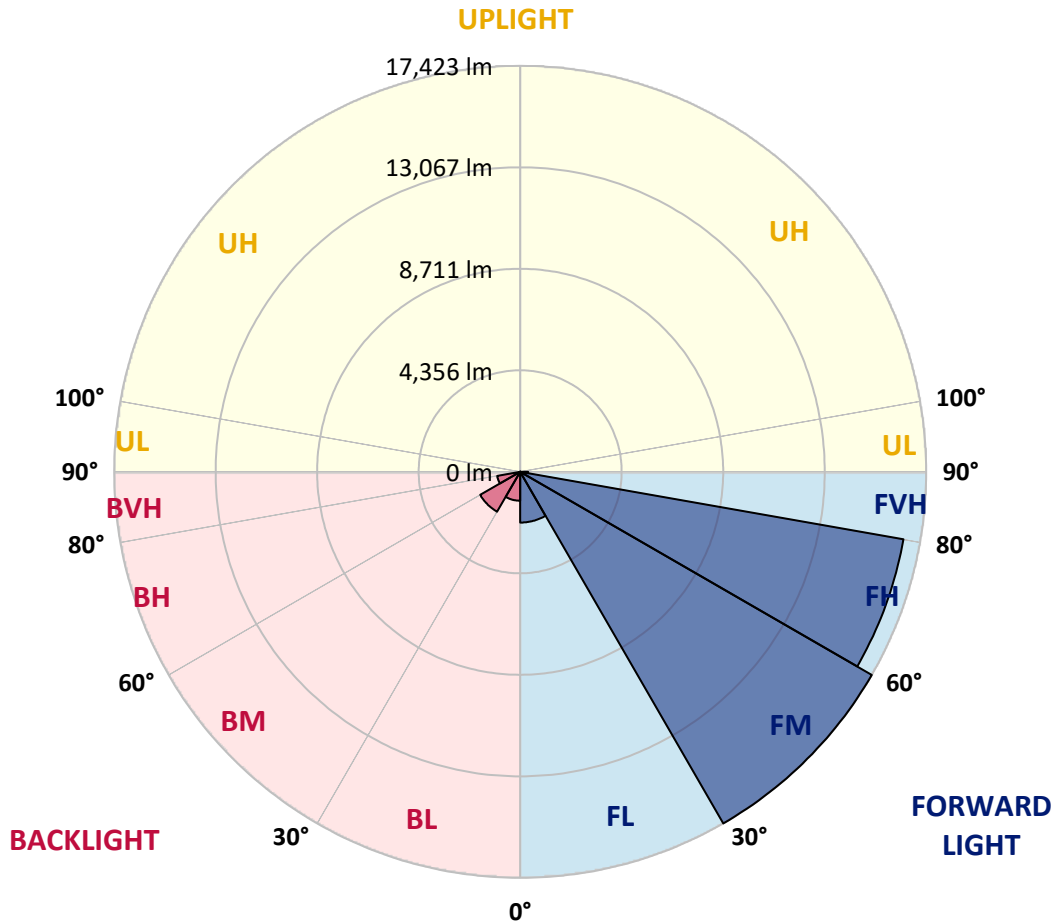
REPORT NUMBER: P622750
 CATALOG NUMBER: PRV-M-PA6C-730-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2177.7	5.3			
FM (30°-60°)	17422.9	42.6			
FH (60°-80°)	16702.4	40.9			G5
FVH (80°-90°)	340.2	0.8			G3/500
BL (0°-30°)	1241.1	3.0	B3/2500		
BM (30°-60°)	1978.1	4.8	B2/2500		
BH (60°-80°)	1002.1	2.5	B3/2500		G3/2500
BVH (80°-90°)	7.4	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





REPORT NUMBER: P622750

CATALOG NUMBER: PRV-M-PA6C-730-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4710.7	4710.7	4710.7	4710.7	4710.7	4710.7	4710.7	4710.7	4710.7	4710.7	4710.7
2.5°	4767.6	4726.9	4729.7	4725.6	4710.7	4721.5	4714.7	4712.0	4701.2	4697.1	4695.8
5°	4686.3	4648.3	4660.5	4671.4	4671.4	4698.5	4703.9	4706.6	4694.4	4687.6	4679.5
7.5°	4558.9	4527.7	4548.1	4586.0	4613.1	4674.1	4706.6	4731.0	4728.3	4729.7	4720.2
10°	4453.2	4423.4	4462.7	4519.6	4575.2	4664.6	4728.3	4789.3	4824.5	4848.9	4846.2
12.5°	4418.0	4392.2	4428.8	4496.6	4568.4	4672.7	4769.0	4880.1	4964.1	5012.9	5006.1
15°	4423.4	4396.3	4432.9	4506.0	4584.6	4706.6	4847.6	5019.7	5144.3	5189.1	5197.2
17.5°	4466.7	4434.2	4462.7	4530.4	4623.9	4779.8	4977.7	5193.1	5350.3	5410.0	5408.6
20°	4525.0	4488.4	4514.2	4575.2	4684.9	4893.6	5143.0	5403.2	5587.5	5647.1	5639.0
22.5°	4611.7	4571.1	4590.1	4649.7	4790.6	5054.9	5338.1	5639.0	5842.3	5900.5	5876.2
25°	4848.9	4785.2	4747.3	4756.8	4926.2	5254.1	5606.5	5924.9	6137.7	6159.4	6121.4
27.5°	5454.7	5408.6	5217.5	5031.9	5091.5	5469.6	5950.7	6324.7	6517.2	6483.3	6431.8
30°	6702.8	6528.0	6227.1	5746.1	5462.8	5700.0	6282.7	6792.3	6967.1	6888.5	6789.6
32.5°	8193.5	7987.6	7545.8	6849.2	6216.3	6091.6	6679.8	7288.3	7491.6	7339.8	7239.5
35°	9662.6	9584.0	9124.6	8277.6	7352.0	6799.0	7215.1	7932.0	8215.2	8078.4	7974.0
37.5°	11333.5	11149.2	10757.6	9777.8	8732.9	7823.6	7948.3	8886.1	9277.7	9079.8	8915.9
40°	13011.3	12809.4	12416.4	11324.1	10319.9	9265.5	9008.0	10074.6	10611.2	10357.8	10084.0
42.5°	14668.7	14645.7	14144.2	13137.3	11996.2	11057.1	10521.8	11451.4	12120.9	11832.3	11375.6
45°	16808.6	16595.8	15962.9	15059.0	14090.0	13084.5	12410.9	13173.9	13977.5	13375.8	12648.1
47.5°	18125.8	18003.8	17495.6	16930.5	16369.5	15426.3	14508.8	15073.9	15756.9	14966.8	13916.6
50°	19247.9	19102.9	18742.4	18547.3	18520.2	17974.0	16767.9	16967.1	17544.4	16627.0	15134.9
52.5°	19944.5	19809.0	19577.2	19853.7	20498.8	20635.6	18974.2	18929.4	19498.6	18283.0	16292.2
55°	19960.8	19650.4	19833.4	20635.6	22126.4	22707.7	21244.1	20970.4	21180.4	20043.4	17375.0
57.5°	19264.2	19154.4	19695.1	20985.3	23180.7	24245.9	23355.5	22775.5	22936.8	21760.5	18315.5
60°	17839.9	17854.8	19043.3	20860.6	23814.9	25471.0	25319.2	24919.4	24697.2	23361.0	19044.6
62.5°	15839.6	15941.2	17464.5	20105.8	23680.8	26107.9	27028.1	26598.5	26060.5	24697.2	19453.9
65°	13606.2	13564.2	15201.3	18509.3	22471.9	26114.7	28176.0	27865.6	27087.8	25399.2	19337.4
67.5°	11053.0	10964.9	12451.6	15956.1	20576.0	25266.4	28478.2	28548.7	27366.9	25098.3	18464.6
68°	10504.2	10425.6	11851.2	15330.0	20089.5	25002.1	28468.7	28560.9	27311.4	24872.0	18173.2
70°	8212.5	8132.6	9296.7	12413.6	17633.9	23408.4	28020.1	28231.5	26590.4	23339.3	16509.1
72.5°	4610.4	4755.4	5800.3	8407.7	13154.9	20073.2	26196.0	26407.4	23970.8	18723.5	12423.1
75°	1483.9	1467.7	2362.1	4049.3	7505.1	13580.5	21458.3	21470.4	18002.5	11340.3	6864.1
77.5°	780.6	787.4	951.4	1647.9	3047.8	5972.4	13138.7	13510.0	9323.8	4304.1	2344.5
80°	486.5	494.6	589.5	950.0	1660.1	2031.4	5743.3	5759.6	2692.8	978.5	559.7
82.5°	328.0	333.4	412.0	616.6	1104.5	830.7	1750.9	1731.9	763.0	309.0	187.0
85°	155.8	158.6	265.6	422.8	540.7	344.2	505.5	535.3	378.1	146.4	80.0
87.5°	32.5	36.6	134.2	184.3	162.6	67.8	142.3	113.8	154.5	59.6	36.6
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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CATALOG NUMBER: PRV-M-PA6C-730-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4710.7	4710.7	4710.7	4710.7	4710.7	4710.7	4710.7	4710.7	4710.7	4710.7
2.5°	4701.2	4705.3	4693.1	4671.4	4668.7	4663.2	4672.7	4670.0	4672.7	4641.6
5°	4682.2	4676.8	4653.8	4628.0	4622.6	4613.1	4617.2	4606.3	4607.7	4567.0
7.5°	4722.9	4706.6	4666.0	4613.1	4548.1	4466.7	4405.8	4340.7	4335.3	4286.5
10°	4850.3	4824.5	4751.3	4590.1	4381.4	4098.1	3836.6	3595.3	3531.7	3436.8
12.5°	5004.8	4966.8	4808.3	4476.2	3966.7	3378.5	2862.2	2597.9	2484.1	2429.9
15°	5186.4	5111.8	4797.4	4134.7	3209.1	2429.9	1956.9	1676.4	1610.0	1563.9
17.5°	5399.1	5250.0	4686.3	3482.9	2415.0	1696.7	1379.6	1298.3	1288.8	1287.4
20°	5618.7	5357.1	4375.9	2775.5	1722.5	1298.3	1235.9	1207.5	1195.3	1191.2
22.5°	5836.9	5416.7	3835.2	2103.3	1296.9	1199.4	1154.6	1114.0	1095.0	1080.1
25°	6075.4	5408.6	3199.6	1520.5	1180.4	1120.8	1057.1	1000.1	973.0	954.1
27.5°	6361.3	5275.8	2546.4	1202.1	1096.4	1021.8	940.5	870.0	830.7	821.3
30°	6692.0	4962.7	1920.3	1063.8	989.3	910.7	806.3	715.5	676.2	668.1
32.5°	7104.0	4525.0	1359.3	947.3	864.6	779.2	661.3	565.1	524.5	506.8
35°	7679.9	4014.1	1038.1	837.5	739.9	635.6	513.6	440.4	405.2	398.4
37.5°	8379.2	3484.2	886.3	739.9	628.8	502.8	394.4	342.9	319.8	315.8
40°	9178.8	2947.6	791.4	649.1	524.5	390.3	306.3	265.6	256.1	254.8
42.5°	9962.1	2356.7	718.3	566.5	425.5	302.2	234.4	211.4	208.7	210.1
45°	10611.2	1742.8	646.4	490.6	337.4	233.1	185.7	170.8	174.8	177.5
47.5°	11128.9	1217.0	577.3	412.0	264.3	188.4	153.1	143.7	150.4	153.1
50°	11515.1	905.3	510.9	336.1	212.8	157.2	130.1	122.0	132.8	135.5
52.5°	11760.4	748.1	436.4	269.7	177.5	135.5	109.8	103.0	116.5	120.6
55°	11891.9	647.8	370.0	220.9	153.1	116.5	92.2	88.1	103.0	107.1
57.5°	11867.5	562.4	309.0	185.7	136.9	103.0	77.2	74.5	90.8	96.2
60°	11646.6	482.5	253.4	155.8	122.0	90.8	66.4	63.7	81.3	85.4
62.5°	11254.9	398.4	204.6	132.8	109.8	81.3	56.9	54.2	69.1	73.2
65°	10593.6	309.0	159.9	115.2	98.9	71.8	48.8	42.0	55.6	58.3
67.5°	9688.3	237.2	128.7	98.9	89.4	65.0	40.7	32.5	42.0	44.7
68°	9464.7	225.0	123.3	94.9	86.7	63.7	39.3	31.2	40.7	42.0
70°	8337.2	185.7	104.4	82.7	78.6	56.9	33.9	24.4	31.2	32.5
72.5°	5700.0	147.7	85.4	69.1	65.0	48.8	27.1	17.6	23.0	23.0
75°	1877.0	112.5	66.4	50.1	47.4	36.6	19.0	12.2	14.9	14.9
77.5°	412.0	74.5	43.4	31.2	28.5	23.0	12.2	5.4	8.1	8.1
80°	130.1	37.9	24.4	17.6	16.3	12.2	6.8	1.4	1.4	2.7
82.5°	50.1	19.0	17.6	13.6	10.8	8.1	4.1	0.0	0.0	0.0
85°	25.7	13.6	13.6	10.8	8.1	5.4	2.7	0.0	0.0	0.0
87.5°	14.9	12.2	12.2	9.5	6.8	2.7	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)