

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: P622669

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

Issue Date: 9/29/2022

Test Information

Test Method: LM-79-08
Report Number: P622669
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-PA6B-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: 34717 lumens
Efficiency: N/A
Efficacy: 94.9 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

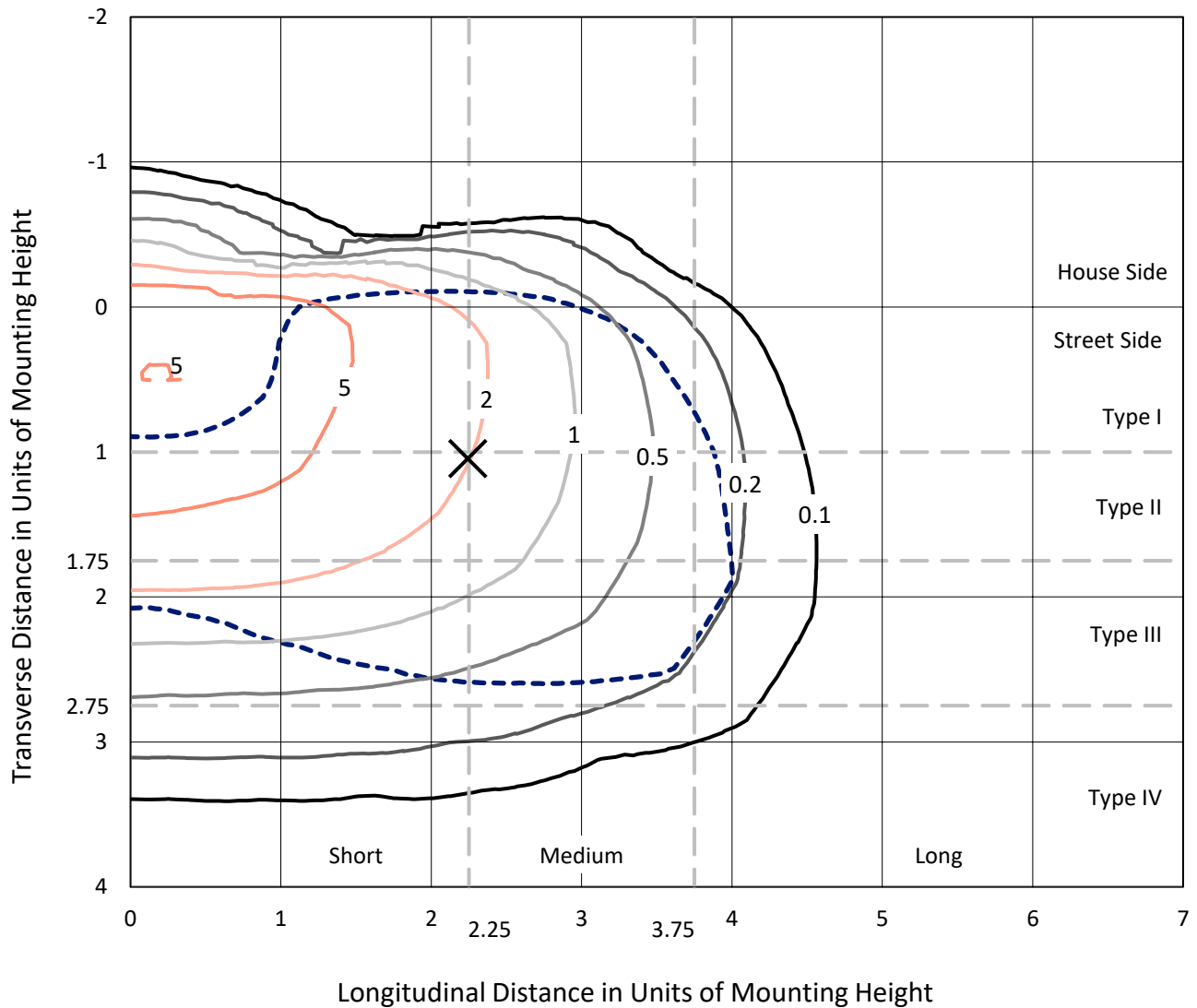
Input Watts (W): 365.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

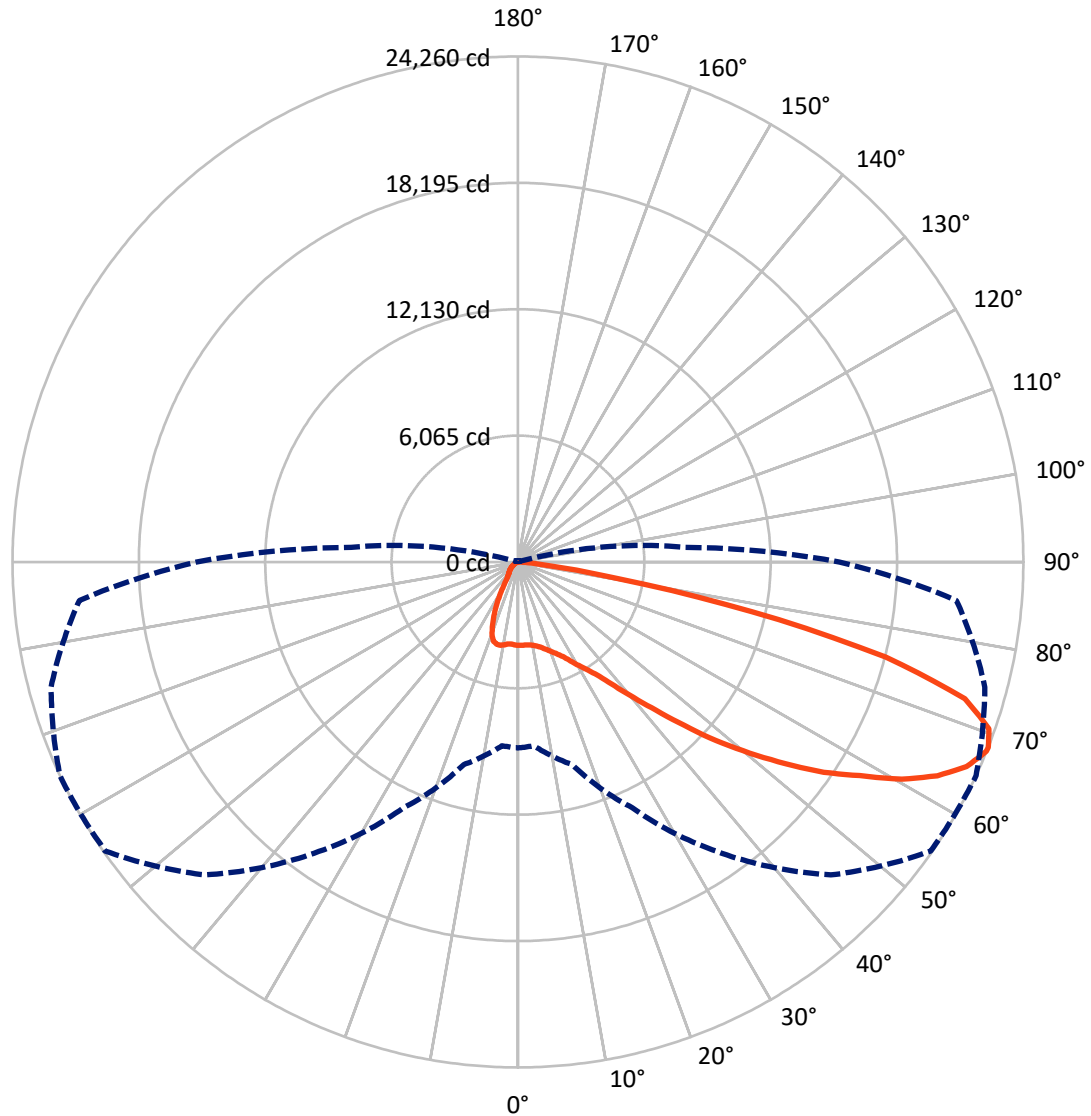
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 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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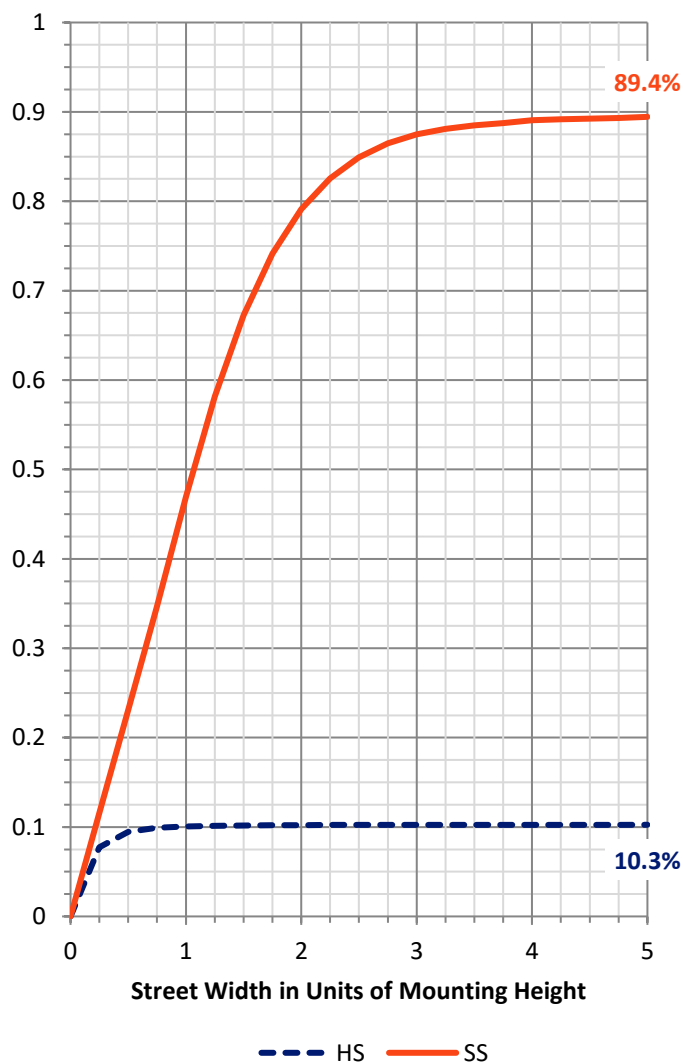
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3591.9	0.0	3591.9
	% Fixture	10.3	0.0	10.3
Street Side	Lumens	31125.1	0.0	31125.1
	% Fixture	89.7	0.0	89.7
Total	Lumens	34717.0	0.0	34717.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	372.7	1.1
10°-20°	980.0	2.8
20°-30°	1551.3	4.5
30°-40°	2708.4	7.8
40°-50°	5254.8	15.1
50°-60°	8516.2	24.5
60°-70°	9899.0	28.5
70°-80°	5139.4	14.8
80°-90°	295.3	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°	34717.0	100.0
0°-180°	34717.0	100.0

Coefficient of Utilization



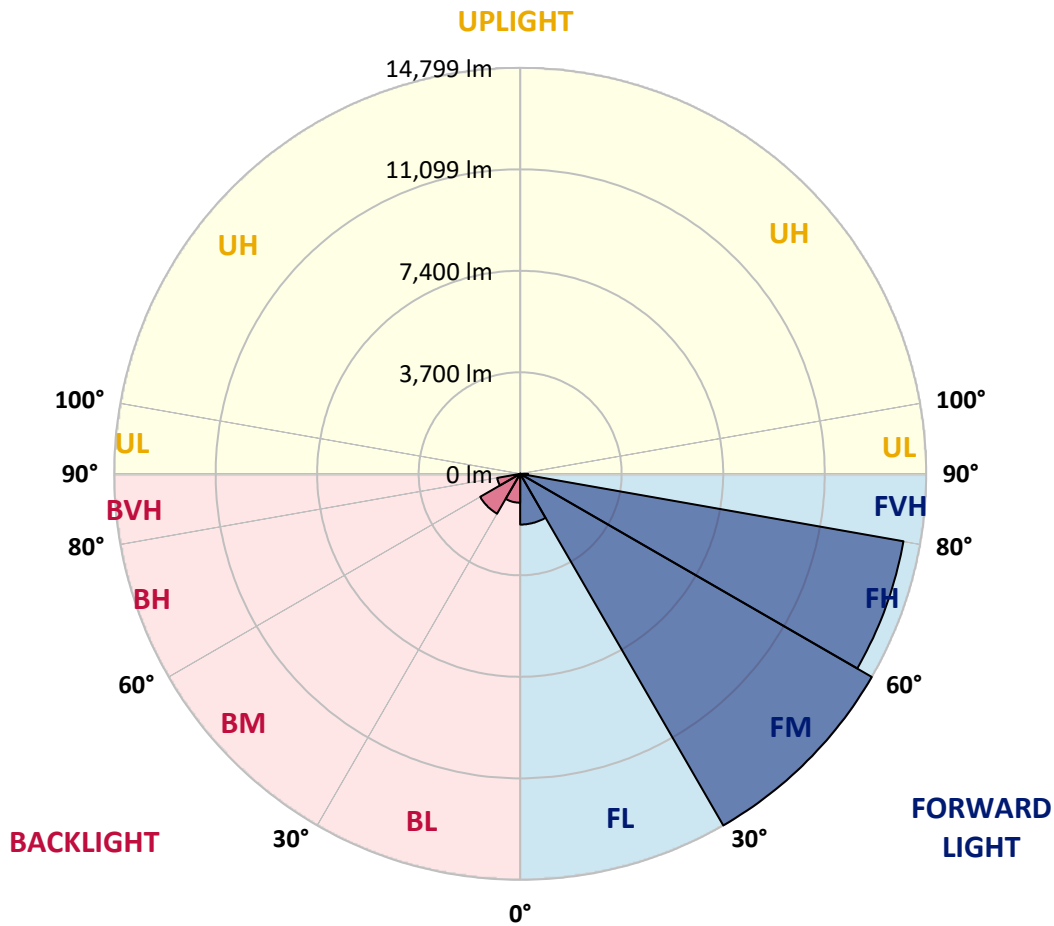
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1849.8	5.3			
FM (30°-60°)	14799.2	42.6			
FH (60°-80°)	14187.2	40.9			G5
FVH (80°-90°)	289.0	0.8			G3/500
BL (0°-30°)	1054.2	3.0	B3/2500		
BM (30°-60°)	1680.2	4.8	B2/2500		
BH (60°-80°)	851.2	2.5	B2/1000		G2/1000
BVH (80°-90°)	6.3	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°	4001.3	4001.3	4001.3	4001.3	4001.3	4001.3	4001.3	4001.3	4001.3	4001.3	4001.3
2.5°	4049.6	4015.1	4017.4	4013.9	4001.3	4010.5	4004.7	4002.4	3993.2	3989.8	3988.6
5°	3980.6	3948.3	3958.7	3967.9	3967.9	3990.9	3995.5	3997.8	3987.5	3981.7	3974.8
7.5°	3872.4	3845.9	3863.2	3895.4	3918.4	3970.2	3997.8	4018.6	4016.3	4017.4	4009.3
10°	3782.6	3757.3	3790.6	3839.0	3886.2	3962.1	4016.3	4068.1	4098.0	4118.7	4116.4
12.5°	3752.6	3730.8	3761.9	3819.4	3880.4	3969.1	4050.8	4145.2	4216.5	4258.0	4252.2
15°	3757.3	3734.2	3765.3	3827.5	3894.2	3997.8	4117.6	4263.7	4369.6	4407.6	4414.5
17.5°	3794.1	3766.5	3790.6	3848.2	3927.6	4060.0	4228.1	4411.1	4544.6	4595.3	4594.1
20°	3843.6	3812.5	3834.4	3886.2	3979.4	4156.7	4368.5	4589.5	4746.1	4796.7	4789.8
22.5°	3917.3	3882.7	3898.8	3949.5	4069.2	4293.7	4534.3	4789.8	4962.5	5012.0	4991.2
25°	4118.7	4064.6	4032.4	4040.4	4184.3	4462.9	4762.2	5032.7	5213.4	5231.8	5199.6
27.5°	4633.3	4594.1	4431.8	4274.1	4324.8	4645.9	5054.6	5372.3	5535.7	5507.0	5463.2
30°	5693.4	5544.9	5289.4	4880.7	4640.2	4841.6	5336.6	5769.4	5917.9	5851.1	5767.1
32.5°	6959.7	6784.7	6409.4	5817.8	5280.2	5174.3	5673.9	6190.7	6363.4	6234.5	6149.3
35°	8207.5	8140.7	7750.5	7031.0	6244.8	5775.2	6128.6	6737.5	6978.1	6861.8	6773.2
37.5°	9626.8	9470.3	9137.6	8305.3	7417.8	6645.4	6751.3	7547.9	7880.6	7712.5	7573.2
40°	11051.9	10880.4	10546.5	9618.7	8765.8	7870.2	7651.5	8557.4	9013.3	8798.0	8565.5
42.5°	12459.7	12440.1	12014.2	11158.9	10189.7	9392.0	8937.3	9726.9	10295.6	10050.4	9662.5
45°	14277.3	14096.6	13559.0	12791.2	11968.2	11114.0	10541.9	11190.0	11872.6	11361.5	10743.4
47.5°	15396.2	15292.6	14860.9	14380.9	13904.4	13103.2	12323.9	12803.9	13384.1	12713.0	11820.8
50°	16349.3	16226.2	15920.0	15754.2	15731.2	15267.3	14242.8	14412.0	14902.4	14123.1	12855.7
52.5°	16941.0	16825.9	16629.1	16863.9	17411.8	17528.1	16116.8	16078.8	16562.3	15529.7	13838.7
55°	16954.8	16691.2	16846.6	17528.1	18794.3	19288.1	18044.9	17812.4	17990.8	17025.0	14758.5
57.5°	16363.1	16269.9	16729.2	17825.1	19689.9	20594.7	19838.4	19345.7	19482.7	18483.5	15557.4
60°	15153.3	15166.0	16175.5	17719.2	20228.6	21635.3	21506.3	21166.8	20978.0	19843.0	16176.7
62.5°	13454.3	13540.6	14834.5	17078.0	20114.6	22176.3	22957.9	22593.0	22136.0	20978.0	16524.3
65°	11557.2	11521.5	12912.1	15722.0	19087.8	22182.0	23932.9	23669.3	23008.6	21574.3	16425.3
67.5°	9388.5	9313.7	10576.5	13553.3	17477.4	21461.4	24189.6	24249.5	23245.7	21318.7	15684.0
68°	8922.3	8855.6	10066.5	13021.5	17064.2	21237.0	24181.5	24259.8	23198.5	21126.5	15436.5
70°	6975.8	6907.9	7896.7	10544.2	14978.4	19883.3	23800.5	23980.1	22586.1	19824.6	14022.9
72.5°	3916.1	4039.3	4926.8	7141.5	11173.9	17050.4	22251.1	22430.7	20361.0	15903.9	10552.3
75°	1260.5	1246.7	2006.4	3439.5	6374.9	11535.4	18226.8	18237.2	15291.5	9632.6	5830.4
77.5°	663.0	668.8	808.1	1399.8	2588.9	5073.0	11160.1	11475.5	7919.7	3656.0	1991.4
80°	413.3	420.2	500.7	806.9	1410.1	1725.5	4878.4	4892.3	2287.3	831.1	475.4
82.5°	278.6	283.2	349.9	523.8	938.2	705.6	1487.2	1471.1	648.1	262.5	158.9
85°	132.4	134.7	225.6	359.1	459.3	292.4	429.4	454.7	321.2	124.3	67.9
87.5°	27.6	31.1	114.0	156.6	138.1	57.6	120.9	96.7	131.2	50.6	31.1
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°	4001.3	4001.3	4001.3	4001.3	4001.3	4001.3	4001.3	4001.3	4001.3	4001.3
2.5°	3993.2	3996.7	3986.3	3967.9	3965.6	3961.0	3969.1	3966.8	3969.1	3942.6
5°	3977.1	3972.5	3952.9	3931.1	3926.5	3918.4	3921.9	3912.7	3913.8	3879.3
7.5°	4011.6	3997.8	3963.3	3918.4	3863.2	3794.1	3742.3	3687.0	3682.4	3641.0
10°	4119.9	4098.0	4035.8	3898.8	3721.6	3481.0	3258.8	3053.9	2999.8	2919.2
12.5°	4251.1	4218.8	4084.2	3802.1	3369.3	2869.7	2431.2	2206.7	2110.0	2064.0
15°	4405.3	4342.0	4075.0	3512.1	2725.8	2064.0	1662.2	1423.9	1367.5	1328.4
17.5°	4586.1	4459.4	3980.6	2958.4	2051.3	1441.2	1171.8	1102.8	1094.7	1093.6
20°	4772.5	4550.4	3717.0	2357.5	1463.1	1102.8	1049.8	1025.6	1015.3	1011.8
22.5°	4957.9	4601.0	3257.7	1786.5	1101.6	1018.7	980.8	946.2	930.1	917.4
25°	5160.5	4594.1	2717.8	1291.6	1002.6	952.0	897.9	849.5	826.5	810.4
27.5°	5403.3	4481.3	2163.0	1021.0	931.3	867.9	798.9	739.0	705.6	697.6
30°	5684.2	4215.4	1631.1	903.6	840.3	773.6	684.9	607.8	574.4	567.5
32.5°	6034.2	3843.6	1154.6	804.6	734.4	661.9	561.7	480.0	445.5	430.5
35°	6523.4	3409.6	881.8	711.4	628.5	539.9	436.3	374.1	344.2	338.4
37.5°	7117.4	2959.5	752.8	628.5	534.1	427.1	335.0	291.2	271.7	268.2
40°	7796.5	2503.7	672.3	551.4	445.5	331.5	260.2	225.6	217.6	216.4
42.5°	8461.9	2001.8	610.1	481.2	361.5	256.7	199.1	179.6	177.3	178.4
45°	9013.3	1480.3	549.1	416.7	286.6	198.0	157.7	145.0	148.5	150.8
47.5°	9453.0	1033.7	490.4	349.9	224.5	160.0	130.1	122.0	127.8	130.1
50°	9781.1	768.9	434.0	285.5	180.7	133.5	110.5	103.6	112.8	115.1
52.5°	9989.4	635.4	370.7	229.1	150.8	115.1	93.2	87.5	99.0	102.4
55°	10101.1	550.2	314.3	187.6	130.1	99.0	78.3	74.8	87.5	90.9
57.5°	10080.3	477.7	262.5	157.7	116.3	87.5	65.6	63.3	77.1	81.7
60°	9892.7	409.8	215.3	132.4	103.6	77.1	56.4	54.1	69.1	72.5
62.5°	9560.0	338.4	173.8	112.8	93.2	69.1	48.3	46.0	58.7	62.2
65°	8998.3	262.5	135.8	97.8	84.0	61.0	41.4	35.7	47.2	49.5
67.5°	8229.3	201.4	109.4	84.0	76.0	55.3	34.5	27.6	35.7	38.0
68°	8039.4	191.1	104.8	80.6	73.7	54.1	33.4	26.5	34.5	35.7
70°	7081.7	157.7	88.6	70.2	66.8	48.3	28.8	20.7	26.5	27.6
72.5°	4841.6	125.5	72.5	58.7	55.3	41.4	23.0	15.0	19.6	19.6
75°	1594.3	95.5	56.4	42.6	40.3	31.1	16.1	10.4	12.7	12.7
77.5°	349.9	63.3	36.8	26.5	24.2	19.6	10.4	4.6	6.9	6.9
80°	110.5	32.2	20.7	15.0	13.8	10.4	5.8	1.2	1.2	2.3
82.5°	42.6	16.1	15.0	11.5	9.2	6.9	3.5	0.0	0.0	0.0
85°	21.9	11.5	11.5	9.2	6.9	4.6	2.3	0.0	0.0	0.0
87.5°	12.7	10.4	10.4	8.1	5.8	2.3	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)