

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: P622777

Luminaire Tested: **PRV-M-PA6C-750-U-T3-HSS**

Issue Date: 9/29/2022

Test Information

Test Method: LM-79-08
Report Number: P622777
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-750-U-T3-HSS
Description: PREVAIL M AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5000K 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: 44879 lumens
Efficiency: N/A
Efficacy: 98.2 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

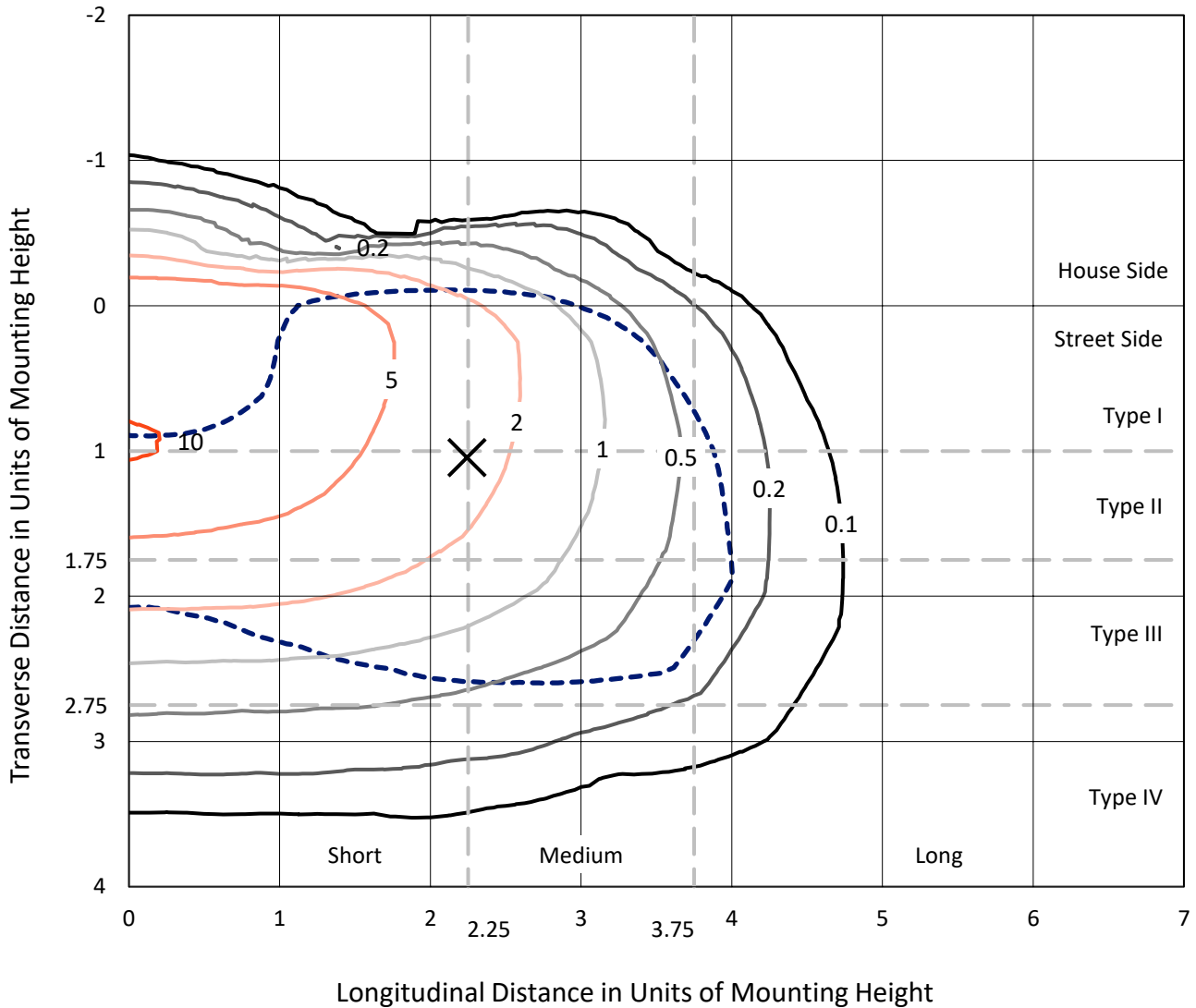
Input Watts (W): 457.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

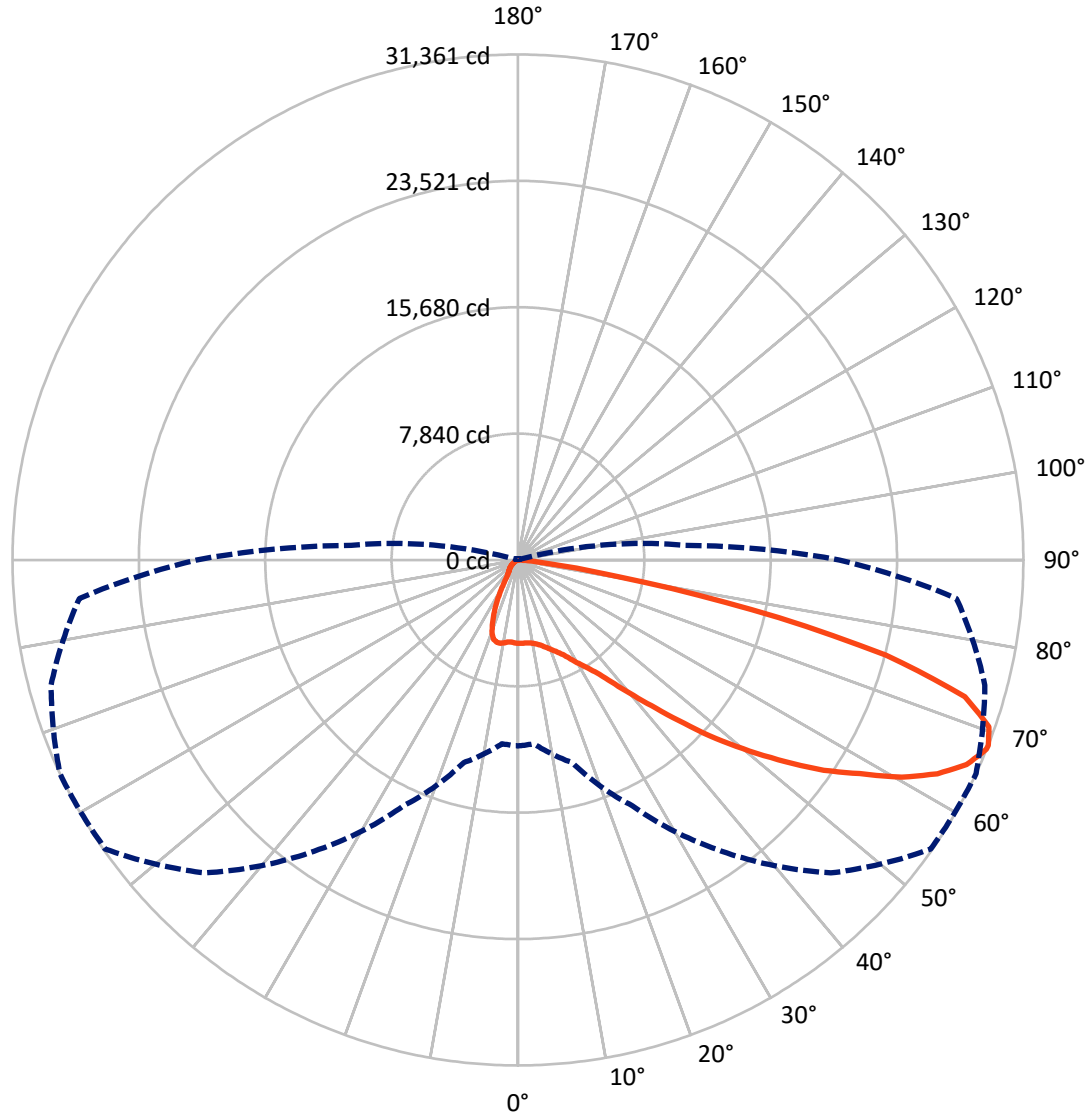
✕ Max cd
 - - - 1/2 Max cd



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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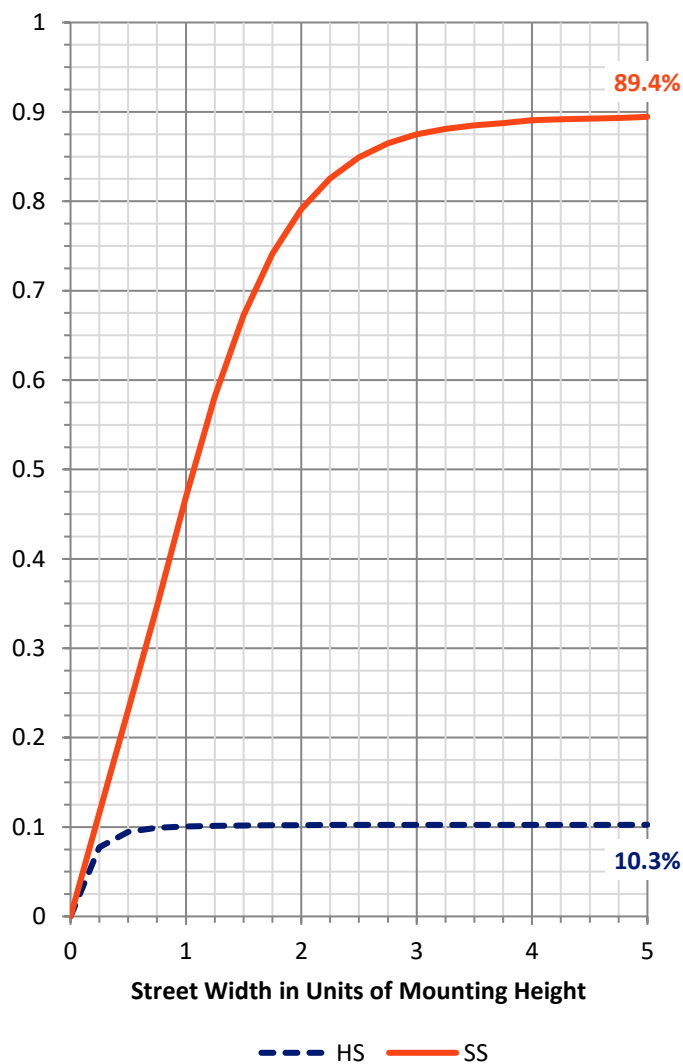
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4643.3	0.0	4643.3
	% Fixture	10.3	0.0	10.3
Street Side	Lumens	40235.7	0.0	40235.7
	% Fixture	89.7	0.0	89.7
Total	Lumens	44879.0	0.0	44879.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	481.8	1.1
10°-20°	1266.9	2.8
20°-30°	2005.4	4.5
30°-40°	3501.2	7.8
40°-50°	6792.9	15.1
50°-60°	11008.9	24.5
60°-70°	12796.5	28.5
70°-80°	6643.7	14.8
80°-90°	381.8	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°	44879.0	100.0
0°-180°	44879.0	100.0

Coefficient of Utilization



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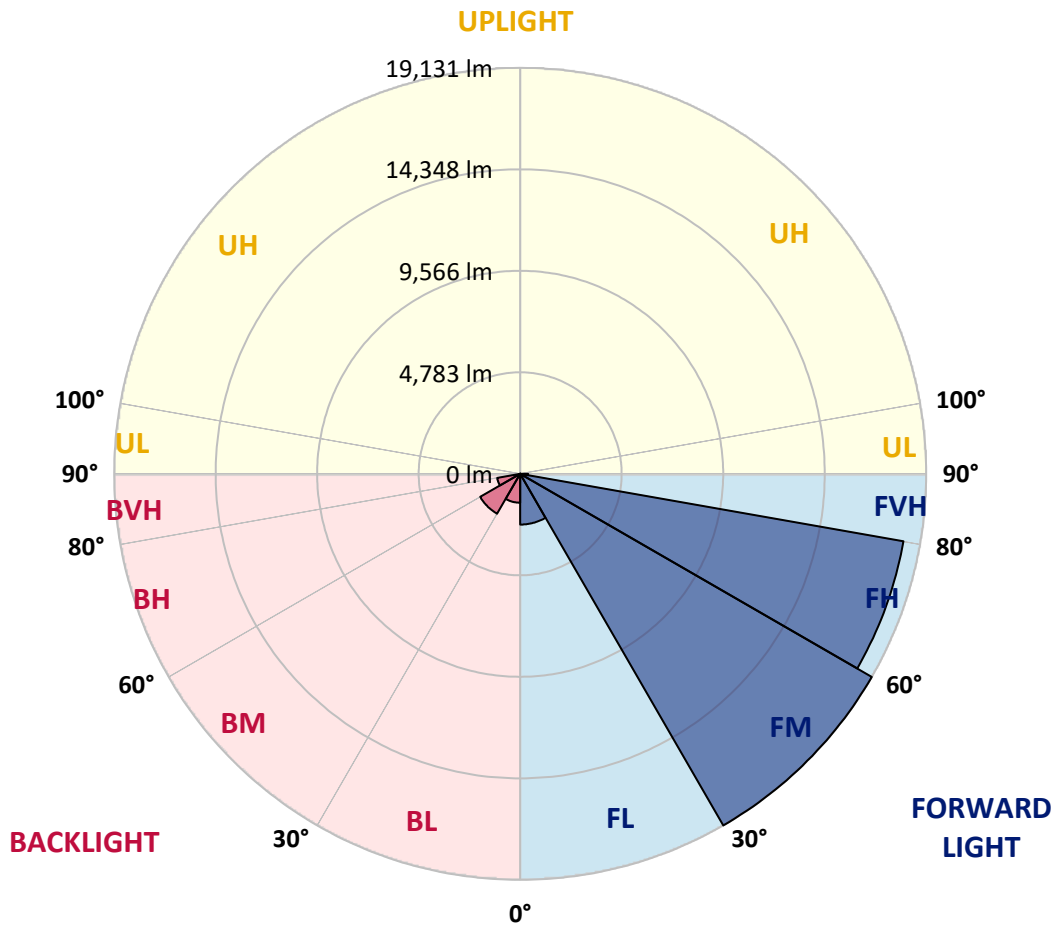
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2391.2	5.3			
FM (30°-60°)	19131.0	42.6			
FH (60°-80°)	18339.9	40.9			G5
FVH (80°-90°)	373.6	0.8			G3/500
BL (0°-30°)	1362.8	3.0	B3/2500		
BM (30°-60°)	2172.0	4.8	B2/2500		
BH (60°-80°)	1100.3	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°	5172.5	5172.5	5172.5	5172.5	5172.5	5172.5	5172.5	5172.5	5172.5	5172.5	5172.5
2.5°	5235.0	5190.4	5193.3	5188.9	5172.5	5184.4	5177.0	5174.0	5162.1	5157.6	5156.1
5°	5145.7	5104.1	5117.4	5129.3	5129.3	5159.1	5165.1	5168.0	5154.6	5147.2	5138.3
7.5°	5005.8	4971.6	4993.9	5035.6	5065.4	5132.3	5168.0	5194.8	5191.8	5193.3	5182.9
10°	4889.8	4857.0	4900.2	4962.7	5023.7	5121.9	5191.8	5258.8	5297.5	5324.3	5321.3
12.5°	4851.1	4822.8	4863.0	4937.4	5016.3	5130.8	5236.5	5358.5	5450.8	5504.3	5496.9
15°	4857.0	4827.3	4867.4	4947.8	5034.1	5168.0	5322.8	5511.8	5648.7	5697.8	5706.7
17.5°	4904.7	4868.9	4900.2	4974.6	5077.3	5248.4	5465.7	5702.3	5874.9	5940.3	5938.9
20°	4968.6	4928.5	4956.7	5023.7	5144.2	5373.4	5647.2	5932.9	6135.3	6200.8	6191.8
22.5°	5063.9	5019.2	5040.1	5105.5	5260.3	5550.5	5861.5	6191.8	6415.0	6479.0	6452.2
25°	5324.3	5254.3	5212.7	5223.1	5409.1	5769.2	6156.1	6505.8	6739.4	6763.2	6721.6
27.5°	5989.4	5938.9	5729.0	5525.2	5590.6	6005.8	6534.1	6944.8	7156.1	7118.9	7062.3
30°	7360.0	7168.0	6837.6	6309.4	5998.4	6258.8	6898.7	7458.2	7650.1	7563.8	7455.2
32.5°	8996.8	8770.6	8285.5	7520.7	6825.7	6688.8	7334.7	8002.8	8226.0	8059.3	7949.2
35°	10609.9	10523.6	10019.1	9089.1	8072.7	7465.6	7922.4	8709.6	9020.6	8870.3	8755.8
37.5°	12444.7	12242.3	11812.2	10736.4	9589.1	8590.6	8727.5	9757.2	10187.3	9970.0	9790.0
40°	14286.9	14065.2	13633.6	12434.2	11331.6	10173.9	9891.1	11062.3	11651.5	11373.3	11072.7
42.5°	16106.8	16081.5	15530.9	14425.3	13172.3	12141.1	11553.3	12574.1	13309.2	12992.3	12490.8
45°	18456.4	18222.8	17527.9	16535.3	15471.4	14367.2	13627.7	14465.4	15347.9	14687.2	13888.1
47.5°	19902.8	19768.9	19210.9	18590.4	17974.3	16938.6	15931.2	16551.7	17301.7	16434.2	15280.9
50°	21134.9	20975.7	20579.9	20365.6	20335.9	19736.2	18411.8	18630.5	19264.4	18257.0	16618.7
52.5°	21899.8	21751.0	21496.5	21800.1	22508.4	22658.7	20834.4	20785.2	21410.2	20075.4	17889.5
55°	21917.7	21576.9	21777.8	22658.7	24295.6	24934.0	23326.9	23026.3	23256.9	22008.4	19078.4
57.5°	21152.8	21032.3	21626.0	23042.6	25453.3	26622.9	25645.3	25008.4	25185.4	23893.8	20111.2
60°	19588.8	19605.2	20910.2	22905.7	26149.7	27968.1	27801.5	27362.5	27118.4	25651.2	20911.7
62.5°	17392.5	17504.1	19176.7	22076.9	26002.4	28667.5	29677.9	29206.2	28615.4	27118.4	21361.1
65°	14940.1	14894.0	16691.6	20323.9	24675.0	28674.9	30938.3	30597.5	29743.4	27889.3	21233.2
67.5°	12136.6	12039.9	13672.3	17520.4	22593.2	27743.4	31270.1	31347.5	30049.9	27558.9	20274.8
68°	11534.0	11447.7	13013.1	16833.0	22059.0	27453.3	31259.7	31360.9	29988.9	27310.4	19954.9
70°	9017.7	8929.9	10208.1	13630.6	19362.7	25703.3	30767.2	30999.3	29197.3	25627.4	18127.6
72.5°	5062.4	5221.6	6368.9	9231.9	14444.6	22041.2	28764.2	28996.4	26320.8	20559.1	13641.1
75°	1629.4	1611.6	2593.7	4446.3	8240.9	14911.9	23562.0	23575.4	19767.4	12452.1	7537.0
77.5°	857.1	864.6	1044.6	1809.5	3346.7	6557.9	14426.8	14834.5	10237.9	4726.1	2574.3
80°	534.2	543.1	647.3	1043.1	1822.9	2230.6	6306.4	6324.3	2956.8	1074.4	614.6
82.5°	360.1	366.1	452.4	677.1	1212.8	912.2	1922.6	1901.7	837.8	339.3	205.4
85°	171.1	174.1	291.7	464.3	593.7	378.0	555.0	587.8	415.2	160.7	87.8
87.5°	35.7	40.2	147.3	202.4	178.6	74.4	156.2	125.0	169.6	65.5	40.2
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°	5172.5	5172.5	5172.5	5172.5	5172.5	5172.5	5172.5	5172.5	5172.5	5172.5
2.5°	5162.1	5166.6	5153.2	5129.3	5126.4	5120.4	5130.8	5127.9	5130.8	5096.6
5°	5141.3	5135.3	5110.0	5081.7	5075.8	5065.4	5069.8	5057.9	5059.4	5014.8
7.5°	5185.9	5168.0	5123.4	5065.4	4993.9	4904.7	4837.7	4766.3	4760.3	4706.7
10°	5325.8	5297.5	5217.1	5040.1	4810.9	4499.9	4212.7	3947.8	3877.9	3773.7
12.5°	5495.4	5453.7	5279.6	4915.1	4355.6	3709.7	3142.8	2852.6	2727.6	2668.1
15°	5694.8	5613.0	5267.7	4540.1	3523.7	2668.1	2148.8	1840.7	1767.8	1717.2
17.5°	5928.4	5764.8	5145.7	3824.3	2651.7	1863.1	1514.8	1425.6	1415.1	1413.7
20°	6169.5	5882.3	4805.0	3047.6	1891.3	1425.6	1357.1	1325.9	1312.5	1308.0
22.5°	6409.1	5947.8	4211.2	2309.5	1424.1	1316.9	1267.8	1223.2	1202.4	1186.0
25°	6671.0	5938.9	3513.3	1669.6	1296.1	1230.6	1160.7	1098.2	1068.4	1047.6
27.5°	6985.0	5793.0	2796.1	1319.9	1203.8	1122.0	1032.7	955.3	912.2	901.8
30°	7348.0	5449.3	2108.6	1168.1	1086.3	1000.0	885.4	785.7	742.5	733.6
32.5°	7800.4	4968.6	1492.5	1040.2	949.4	855.6	726.2	620.5	575.9	556.5
35°	8432.8	4407.6	1139.9	919.6	812.5	697.9	564.0	483.6	444.9	437.5
37.5°	9200.7	3825.8	973.2	812.5	690.5	552.1	433.0	376.5	351.2	346.7
40°	10078.6	3236.5	869.0	712.8	575.9	428.6	336.3	291.7	281.2	279.8
42.5°	10938.7	2587.7	788.7	622.0	467.3	331.8	257.4	232.1	229.2	230.6
45°	11651.5	1913.6	709.8	538.7	370.5	255.9	203.9	187.5	192.0	194.9
47.5°	12220.0	1336.3	633.9	452.4	290.2	206.8	168.2	157.7	165.2	168.2
50°	12644.1	994.0	561.0	369.0	233.6	172.6	142.9	133.9	145.8	148.8
52.5°	12913.4	821.4	479.2	296.1	194.9	148.8	120.5	113.1	128.0	132.4
55°	13057.7	711.3	406.2	242.6	168.2	128.0	101.2	96.7	113.1	117.6
57.5°	13031.0	617.5	339.3	203.9	150.3	113.1	84.8	81.8	99.7	105.7
60°	12788.4	529.7	278.3	171.1	133.9	99.7	72.9	69.9	89.3	93.7
62.5°	12358.4	437.5	224.7	145.8	120.5	89.3	62.5	59.5	75.9	80.4
65°	11632.2	339.3	175.6	126.5	108.6	78.9	53.6	46.1	61.0	64.0
67.5°	10638.2	260.4	141.4	108.6	98.2	71.4	44.6	35.7	46.1	49.1
68°	10392.6	247.0	135.4	104.2	95.2	69.9	43.2	34.2	44.6	46.1
70°	9154.6	203.9	114.6	90.8	86.3	62.5	37.2	26.8	34.2	35.7
72.5°	6258.8	162.2	93.7	75.9	71.4	53.6	29.8	19.3	25.3	25.3
75°	2061.0	123.5	72.9	55.1	52.1	40.2	20.8	13.4	16.4	16.4
77.5°	452.4	81.8	47.6	34.2	31.2	25.3	13.4	6.0	8.9	8.9
80°	142.9	41.7	26.8	19.3	17.9	13.4	7.4	1.5	1.5	3.0
82.5°	55.1	20.8	19.3	14.9	11.9	8.9	4.5	0.0	0.0	0.0
85°	28.3	14.9	14.9	11.9	8.9	6.0	3.0	0.0	0.0	0.0
87.5°	16.4	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)