

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: STREETWORKS

Report Number: P459751

Luminaire Tested: **GAP-SA1A-AMB-U-SL4**

Issue Date: 1/6/2021

Test Information

Test Method: LM-79-08
Report Number: P459751
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2003-697-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/6/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAP-SA1A-AMB-U-SL4
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) NARROW BAND AMBER, 500mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1136 lumens
Efficiency: N/A
Efficacy: 50.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 22.6
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: 28.75 FT

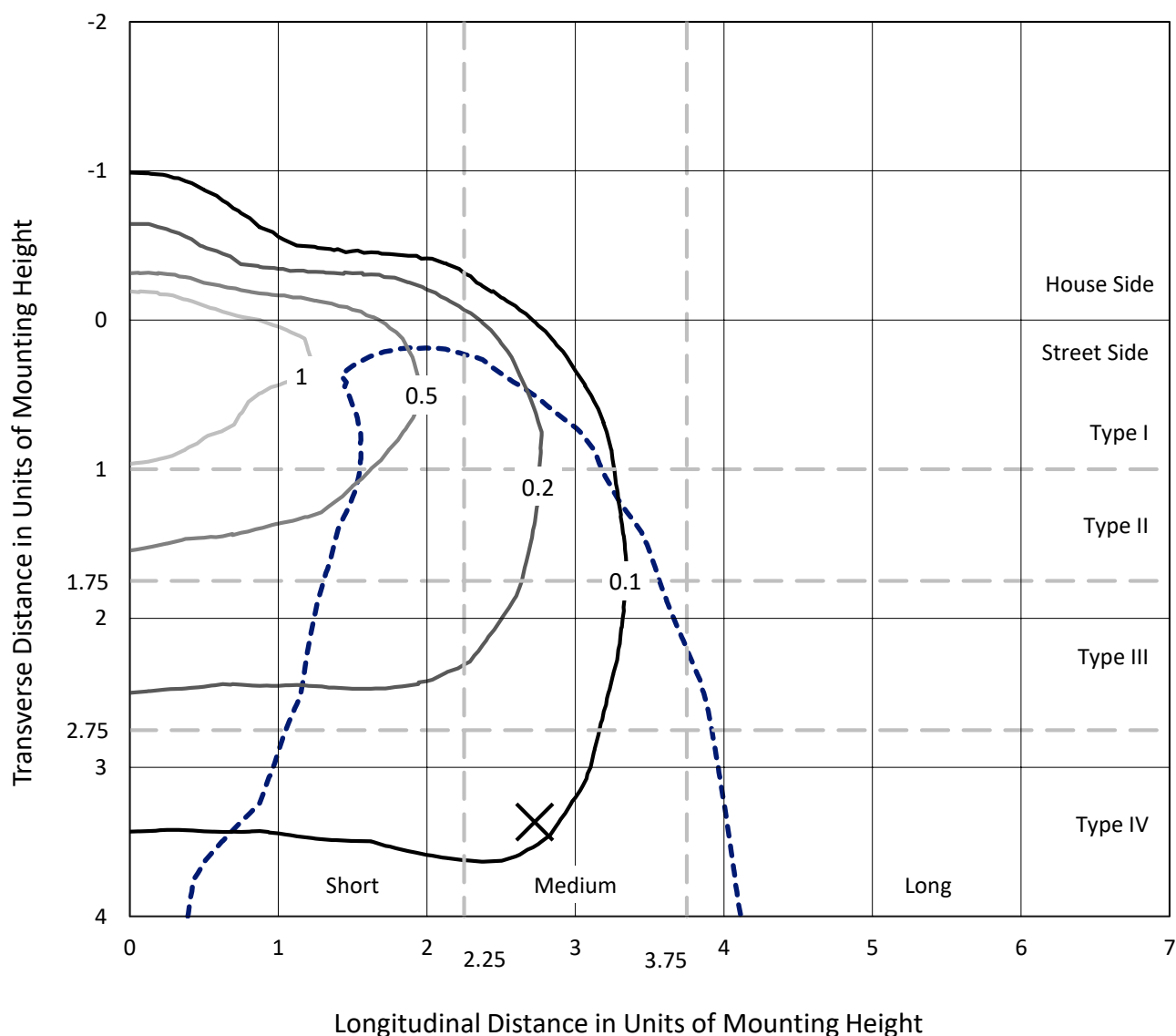


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

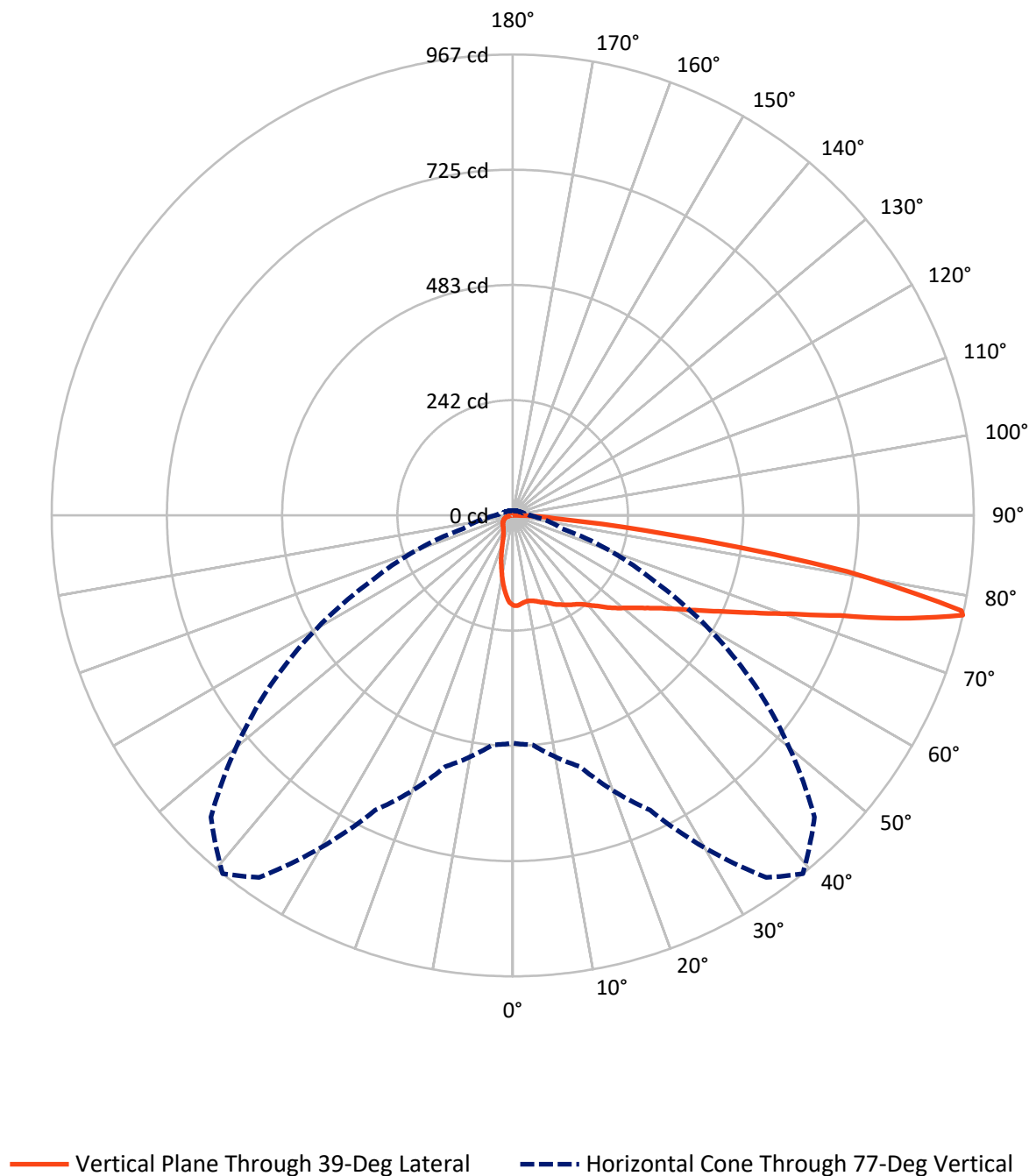


Based on 10 foot mounting height. Maximum calculated value = 1.9 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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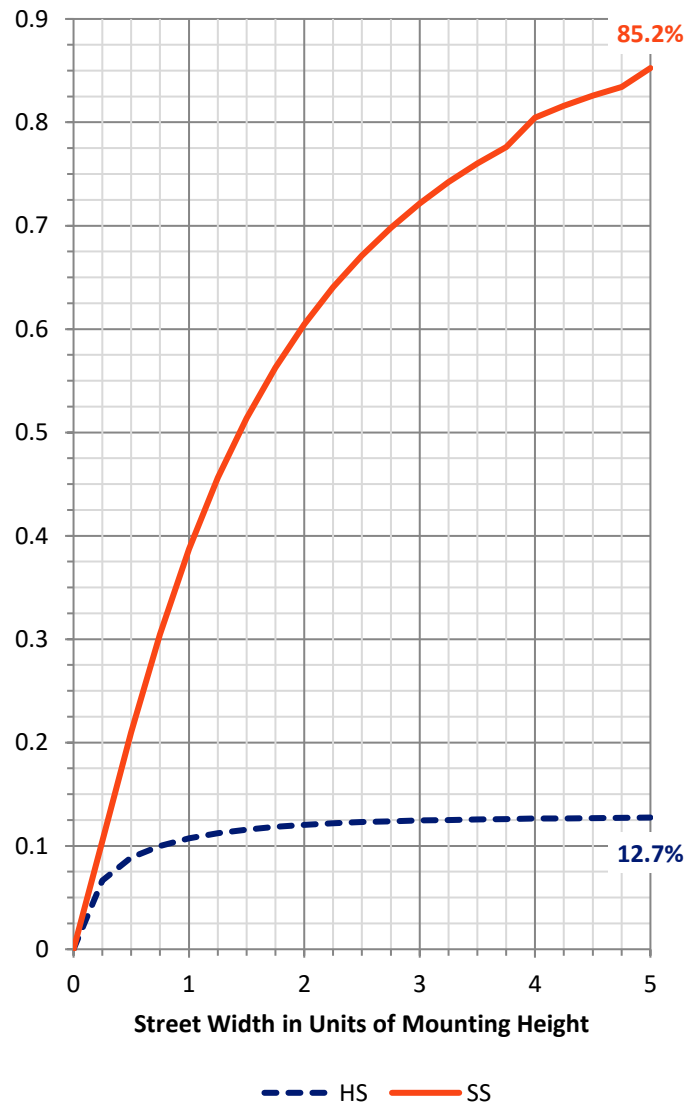
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	146.6	0.0	146.6
	% Fixture	12.9	0.0	12.9
Street Side	Lumens	989.4	0.0	989.4
	% Fixture	87.1	0.0	87.1
Total	Lumens	1136.0	0.0	1136.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.5	1.5
10°-20°	41.4	3.6
20°-30°	63.2	5.6
30°-40°	90.9	8.0
40°-50°	132.0	11.6
50°-60°	189.4	16.7
60°-70°	260.9	23.0
70°-80°	281.5	24.8
80°-90°	60.2	5.3
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°	1136.0	100.0
0°-180°	1136.0	100.0

Coefficient of Utilization



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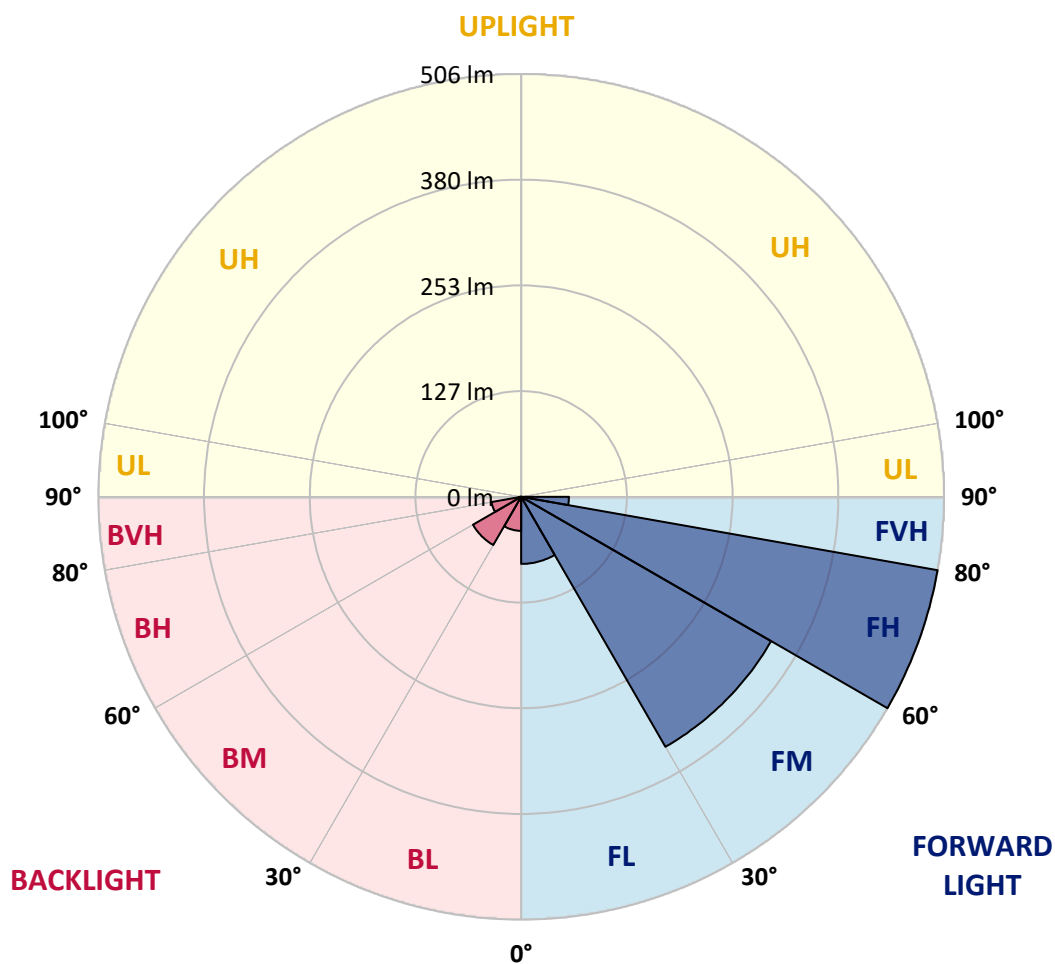
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	80.3	7.1			
FM	(30°-60°)	345.6	30.4			
FH	(60°-80°)	506.3	44.6			G0/660
FVH	(80°-90°)	57.2	5.0			G1/100
BL	(0°-30°)	40.7	3.6	B0/110		
BM	(30°-60°)	66.7	5.9	B0/220		
BH	(60°-80°)	36.1	3.2	B0/110		G0/110
BVH	(80°-90°)	3.0	0.3			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	188.8	188.8	188.8	188.8	188.8	188.8	188.8	188.8	188.8	188.8	188.8
2.5°	190.8	189.3	189.3	190.8	189.8	189.8	188.8	189.8	188.8	187.8	188.8
5°	188.3	187.2	186.7	188.3	187.2	186.2	187.2	186.7	186.2	184.2	184.2
7.5°	183.7	182.7	182.7	184.2	184.7	183.2	183.7	184.2	182.7	180.6	181.1
10°	179.6	179.1	180.1	182.1	183.2	182.1	183.2	182.7	180.6	178.6	178.1
12.5°	176.5	176.0	177.6	181.6	183.7	183.7	184.2	182.7	181.1	178.6	176.5
15°	174.5	174.5	177.6	182.7	185.7	186.7	187.2	186.2	182.7	179.1	176.5
17.5°	175.5	175.0	179.1	185.2	188.8	191.3	191.3	189.8	185.2	180.6	177.6
20°	178.1	177.0	182.1	189.8	194.4	194.9	195.9	192.9	188.3	183.2	179.6
22.5°	179.1	181.6	187.2	195.9	198.5	200.0	200.0	196.9	190.3	186.7	182.7
25°	187.2	187.8	194.4	202.0	204.6	206.6	205.6	199.0	193.4	191.3	187.8
27.5°	195.9	196.4	203.1	208.7	210.2	211.7	212.2	203.1	197.5	196.9	192.3
30°	203.6	205.6	212.2	216.3	216.3	217.9	217.3	209.2	203.1	204.1	199.5
32.5°	216.8	216.3	223.0	223.5	220.9	223.5	223.5	214.3	210.2	214.8	207.7
35°	228.1	230.1	233.2	230.6	227.0	229.1	230.1	221.4	219.4	228.6	220.9
37.5°	243.4	241.8	243.4	238.8	233.7	236.2	238.8	231.1	232.1	245.4	235.7
40°	255.1	252.6	253.6	247.5	242.3	247.5	250.0	242.9	247.5	268.9	257.1
42.5°	264.8	262.8	260.7	257.1	253.1	259.7	263.8	258.2	267.9	294.9	283.7
45°	271.4	269.9	266.8	266.3	266.8	275.0	280.1	275.5	288.8	327.6	313.3
47.5°	275.5	274.0	274.5	275.5	279.6	290.3	299.5	294.9	316.3	361.7	341.3
50°	281.1	278.6	279.1	287.8	293.9	305.1	319.9	317.9	345.9	398.0	371.9
52.5°	288.3	284.2	284.2	299.5	309.2	321.9	340.8	343.4	376.5	435.2	403.1
55°	300.0	294.9	291.3	312.2	329.1	342.9	364.8	376.0	409.7	474.0	431.6
57.5°	312.8	307.7	302.0	328.6	351.0	367.4	392.4	408.7	447.5	508.7	452.0
60°	332.7	323.5	317.9	349.5	381.6	398.5	429.1	450.0	487.2	540.3	470.4
62.5°	346.9	339.8	338.3	376.0	419.4	438.8	467.9	489.8	524.0	570.9	486.2
65°	361.7	357.7	358.2	404.6	464.3	485.7	517.4	540.8	571.4	599.0	487.8
67.5°	382.7	378.6	387.2	439.3	516.3	544.4	576.5	596.9	616.3	603.6	460.2
70°	410.2	405.1	420.9	481.1	581.1	617.4	654.1	676.0	638.3	587.8	371.9
72.5°	438.8	435.2	461.2	540.8	671.9	718.4	760.2	748.0	649.0	504.1	242.3
75°	473.5	474.5	516.3	617.9	816.8	861.2	896.4	775.5	548.0	298.0	92.3
77°	477.6	483.2	545.4	682.1	927.0	966.8	894.9	619.4	329.6	106.6	52.0
77.5°	460.7	465.8	538.8	691.3	940.3	962.3	866.8	578.6	264.3	85.7	45.9
80°	343.4	338.3	417.9	576.5	755.6	710.7	518.9	224.5	77.0	44.4	28.1
82.5°	135.7	144.9	195.4	284.2	369.4	324.5	194.4	98.0	46.4	24.0	11.7
85°	62.8	67.3	73.5	75.5	95.4	98.5	73.0	90.8	33.7	11.2	7.1
87.5°	45.9	48.0	54.1	48.0	46.4	43.9	53.6	99.0	16.8	6.6	3.6
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	188.8	188.8	188.8	188.8	188.8	188.8	188.8	188.8	188.8	188.8	188.8
2.5°	187.2	185.7	186.2	185.7	184.7	183.7	182.7	181.6	182.1	182.1	180.6
5°	183.2	181.1	180.1	177.6	174.5	171.4	167.9	165.3	163.3	162.2	163.3
7.5°	179.1	176.5	174.5	168.4	163.3	154.6	149.0	141.3	140.3	139.3	138.3
10°	176.0	174.0	168.9	160.7	150.0	139.8	127.0	118.9	113.8	110.7	111.7
12.5°	174.0	171.4	163.3	150.5	136.7	121.4	107.1	96.4	90.3	86.2	85.2
15°	173.5	168.9	157.1	140.3	121.9	104.6	90.3	77.6	67.9	64.8	63.8
17.5°	173.5	167.3	151.5	129.6	108.2	88.8	73.0	61.2	53.1	50.0	49.0
20°	174.5	166.8	144.9	118.9	94.4	73.0	59.2	49.5	44.9	42.9	42.9
22.5°	176.0	166.3	137.8	107.1	81.1	61.2	49.0	43.4	41.3	39.8	39.8
25°	179.1	165.8	131.6	96.4	69.4	52.6	43.9	40.3	38.3	37.8	37.8
27.5°	183.2	166.3	125.5	86.2	58.7	46.4	40.3	38.3	37.2	36.7	36.7
30°	187.2	167.3	118.9	75.0	51.0	41.8	37.8	36.2	35.7	35.2	35.2
32.5°	191.8	168.4	111.2	65.8	45.4	38.3	35.7	34.7	34.7	34.2	33.7
35°	199.5	170.4	102.6	57.1	40.8	35.7	34.2	33.2	33.2	32.7	32.7
37.5°	210.2	173.0	93.9	51.0	37.8	33.7	32.1	32.1	31.6	31.6	31.1
40°	226.0	180.1	86.7	45.9	35.2	32.1	31.1	30.6	30.6	30.1	30.1
42.5°	243.9	188.8	80.1	42.3	33.7	30.6	29.6	29.6	29.6	29.1	28.6
45°	264.8	196.9	74.0	39.8	32.1	29.6	28.6	28.6	28.1	27.6	27.6
47.5°	287.2	207.1	69.9	38.3	31.6	29.1	28.1	27.0	27.0	26.5	26.5
50°	309.7	215.8	66.3	37.2	31.1	28.1	27.0	26.5	26.0	25.0	25.0
52.5°	331.1	225.0	65.3	36.2	30.1	27.6	26.0	25.5	25.0	24.0	24.0
55°	349.5	235.7	66.3	35.7	29.6	26.5	25.0	24.5	24.0	23.0	23.0
57.5°	362.8	241.3	66.8	35.7	29.1	25.0	23.5	24.0	23.0	22.4	22.4
60°	376.5	246.4	66.3	35.7	28.6	23.5	21.9	23.0	22.4	21.9	21.9
62.5°	385.7	244.4	63.8	35.7	28.1	22.4	20.9	22.4	23.0	21.9	22.4
65°	372.5	221.4	56.1	34.7	28.1	21.4	19.4	21.9	23.5	23.0	23.0
67.5°	324.5	167.3	46.9	32.7	27.0	20.9	17.9	19.9	21.9	21.4	21.9
70°	230.1	101.0	38.8	29.1	24.5	19.9	16.8	16.8	17.3	17.9	18.4
72.5°	119.4	55.1	31.6	25.5	21.4	17.9	15.3	14.3	14.3	14.3	14.8
75°	52.6	36.2	26.0	20.9	17.9	15.3	13.8	12.2	12.2	11.7	11.7
77°	36.7	28.6	21.4	17.3	14.8	12.8	12.2	10.7	10.7	10.2	10.2
77.5°	33.2	26.5	20.9	16.3	14.3	12.2	11.7	10.2	10.2	10.2	10.2
80°	22.4	20.9	15.8	12.2	11.2	9.7	9.2	8.7	8.2	8.2	8.2
82.5°	13.3	15.3	11.2	8.7	8.2	7.1	6.6	6.6	6.6	6.1	5.6
85°	8.2	11.2	7.1	5.6	5.6	4.6	4.6	4.1	4.1	3.6	3.6
87.5°	3.6	7.1	4.1	2.6	2.0	1.5	2.0	1.5	1.5	1.0	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)