

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: P177324

Luminaire Tested: **VAL-F01-LED-E-U-WQ-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P177324
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33699)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VAL-F01-LED-E-U-WQ-7050
Description: VALET TUNNEL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - WIDE TYPE V SQUARE
Light Source: (7) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2619.3 lumens
Efficiency: N/A
Efficacy: 101.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B2 - U0 - G1

Input Watts (W): 25.9
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



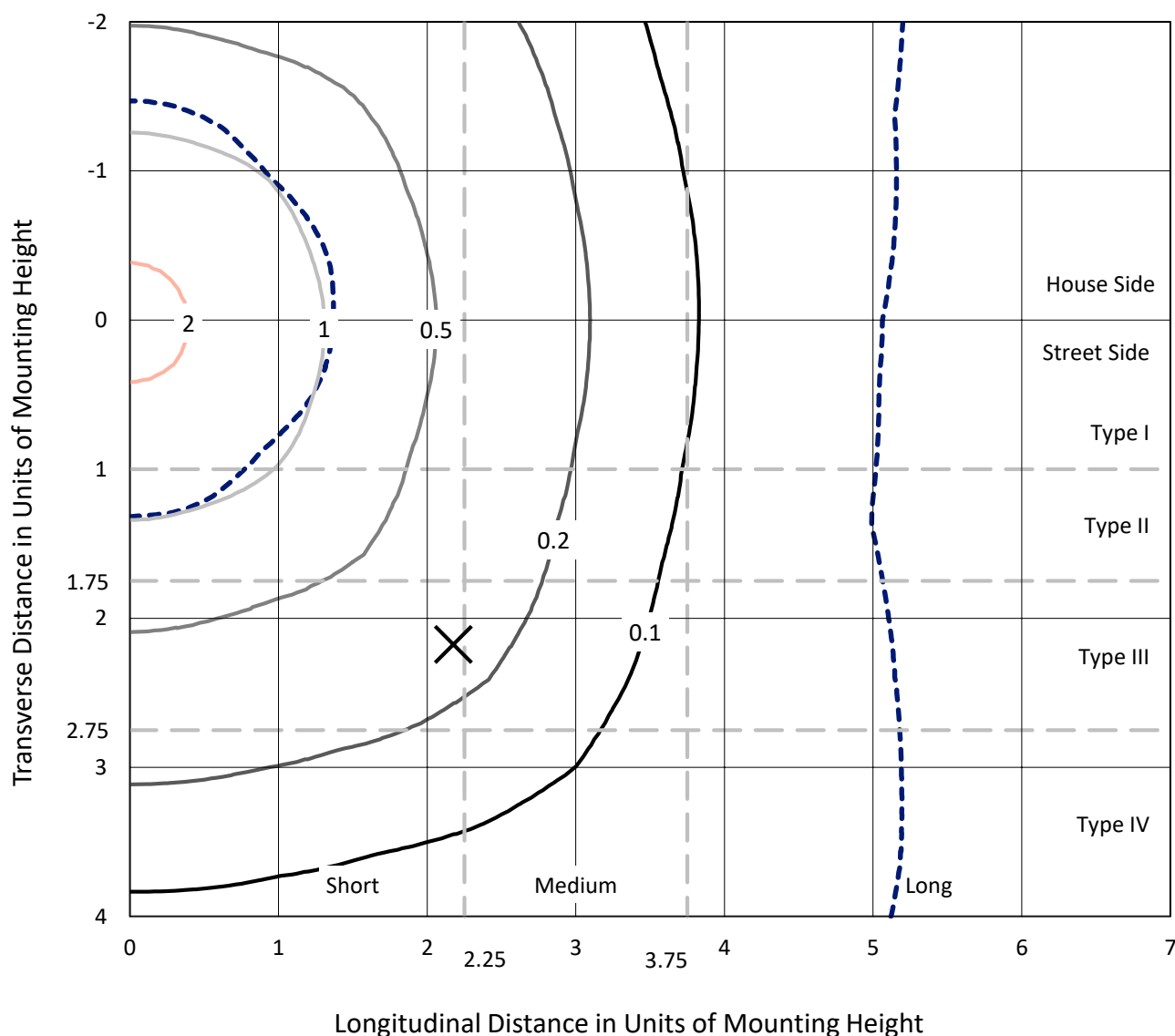
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

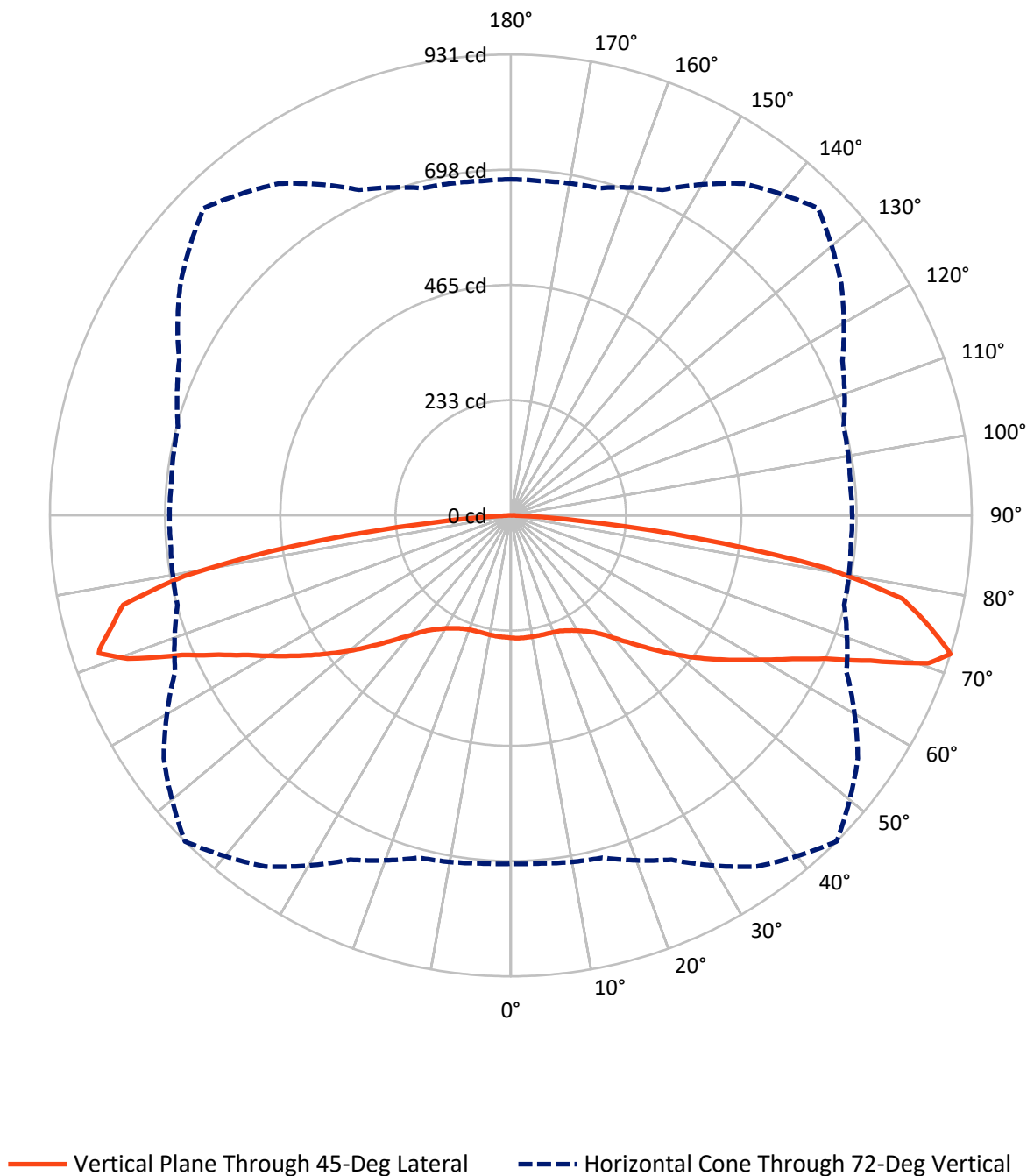


Based on 10 foot mounting height. Maximum calculated value = 2.5 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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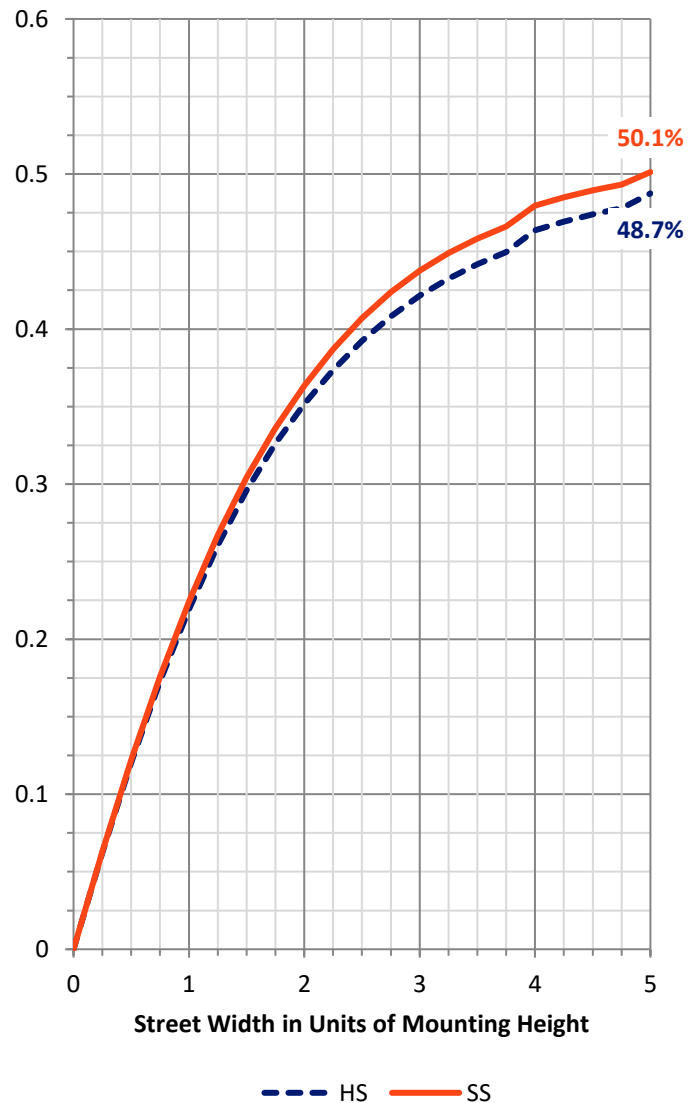
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1291.7	0.0	1291.7
	% Fixture	49.3	0.0	49.3
Street Side	Lumens	1327.6	0.0	1327.6
	% Fixture	50.7	0.0	50.7
Total	Lumens	2619.3	0.0	2619.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.6	0.9
10°-20°	70.1	2.7
20°-30°	117.8	4.5
30°-40°	179.3	6.8
40°-50°	283.4	10.8
50°-60°	432.9	16.5
60°-70°	634.2	24.2
70°-80°	720.5	27.5
80°-90°	157.4	6.0
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°	2619.3	100.0
0°-180°	2619.3	100.0

Coefficient of Utilization



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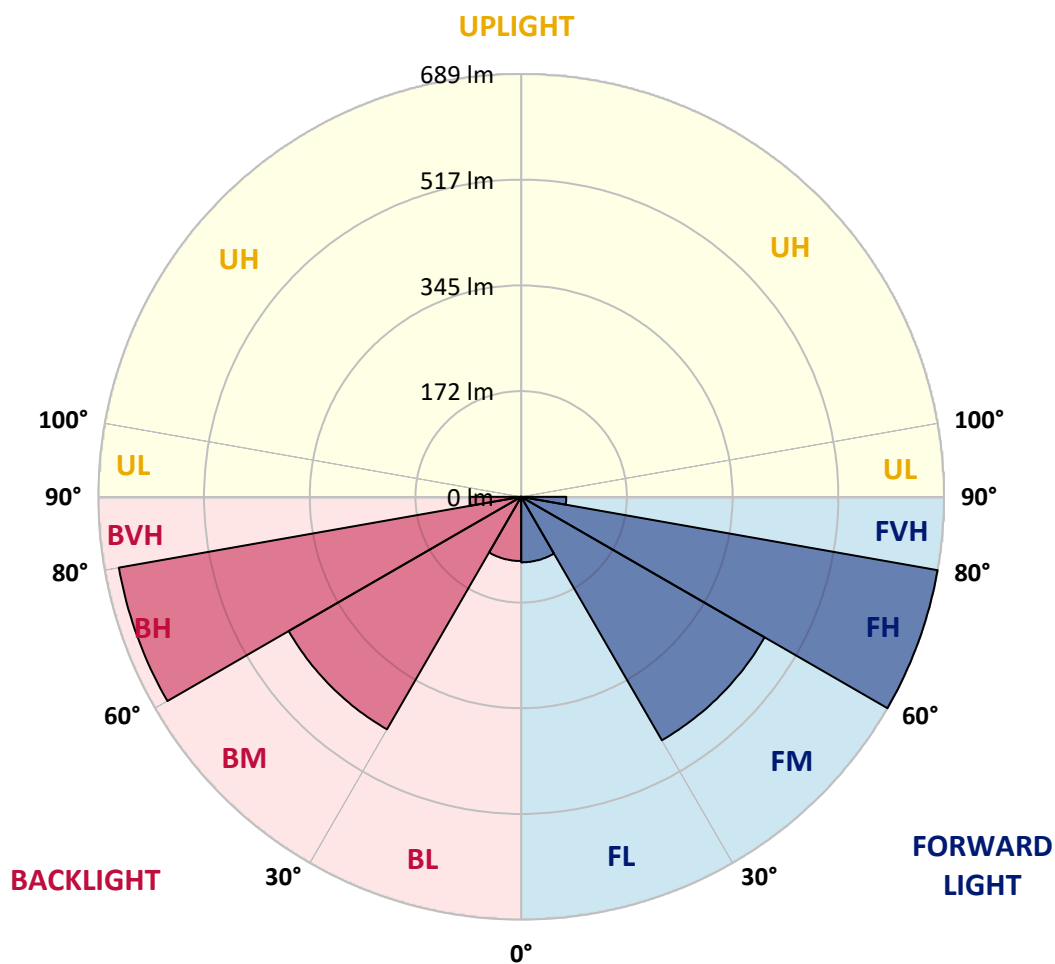
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	106.8	4.1			
FM	(30°-60°)	458.1	17.5			
FH	(60°-80°)	689.0	26.3			G1/1800
FVH	(80°-90°)	73.6	2.8			G1/100
BL	(0°-30°)	104.7	4.0	B0/110		
BM	(30°-60°)	437.5	16.7	B1/1000		
BH	(60°-80°)	665.7	25.4	B2/1000		G1/1800
BVH	(80°-90°)	83.8	3.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	247.3	247.3	247.3	247.3	247.3	247.3	247.3	247.3	247.3	247.3	247.3
2.5°	249.4	249.4	248.7	248.4	248.4	248.2	248.0	248.0	247.9	248.0	247.5
5°	249.7	249.7	249.0	248.7	248.5	248.4	248.4	248.0	247.9	248.0	247.5
7.5°	249.7	249.9	249.5	249.2	248.7	248.5	248.4	247.9	247.9	247.5	247.3
10°	250.4	250.9	250.2	249.7	249.0	248.7	248.2	247.9	247.7	247.3	247.3
12.5°	250.9	251.4	250.7	250.2	249.5	249.0	248.4	247.9	247.5	247.0	247.2
15°	251.6	252.1	251.4	250.7	250.1	249.4	248.7	248.0	247.5	247.2	247.2
17.5°	251.9	252.4	251.8	251.1	250.6	250.2	249.4	248.4	247.7	247.3	247.3
20°	252.4	252.9	252.4	252.1	251.6	251.4	250.6	249.4	248.5	248.0	247.9
22.5°	253.6	254.0	253.8	253.8	253.8	253.6	252.9	251.1	250.1	249.2	249.0
25°	256.5	256.3	256.7	257.0	257.2	257.5	256.5	254.5	253.1	251.8	251.6
27.5°	261.2	261.4	261.6	262.3	262.9	263.1	262.1	259.9	257.8	256.0	255.8
30°	266.7	266.7	267.3	268.7	269.4	269.9	268.9	266.2	263.6	261.7	261.4
32.5°	274.5	275.1	275.5	277.0	278.3	278.9	277.3	274.5	271.6	269.2	268.7
35°	285.6	286.7	287.0	288.3	289.9	290.0	288.7	285.5	282.4	279.2	279.4
37.5°	301.4	301.6	302.4	302.7	305.6	305.6	303.4	300.5	297.5	294.6	293.8
40°	322.4	322.6	322.9	322.4	325.8	326.8	323.9	319.5	316.6	312.9	312.4
42.5°	345.3	347.0	346.8	345.9	349.3	351.5	348.0	342.9	339.8	336.0	335.3
45°	373.6	373.2	371.7	373.6	377.5	379.8	375.4	369.0	365.8	360.9	360.7
47.5°	401.0	400.7	398.3	399.7	406.9	410.8	404.4	397.1	392.9	390.0	387.8
50°	427.1	429.5	426.4	429.3	438.8	444.0	438.1	426.6	421.5	417.1	415.9
52.5°	457.8	459.1	456.4	461.0	471.5	479.1	471.0	456.1	451.0	446.1	444.5
55°	489.1	488.4	487.1	492.2	505.0	514.0	505.2	487.2	479.8	476.1	476.1
57.5°	519.9	520.3	517.1	523.2	539.4	551.3	540.3	518.2	509.1	504.9	506.2
60°	553.0	553.0	548.1	553.6	576.4	591.4	574.8	549.6	539.6	537.0	537.2
62.5°	590.1	588.7	583.3	590.2	617.9	637.8	617.0	585.5	572.5	572.5	573.6
65°	632.9	630.7	628.9	636.8	672.6	697.0	669.5	629.7	618.2	616.8	619.0
67.5°	694.6	697.0	692.2	702.7	751.5	783.4	741.7	690.4	678.2	677.0	682.4
70°	750.2	747.8	753.9	783.5	850.0	894.3	836.4	757.5	722.6	715.4	717.6
72°	703.4	705.3	715.6	767.1	865.5	930.8	855.5	748.1	697.0	689.5	689.4
72.5°	692.6	693.9	702.7	752.2	854.4	921.1	845.9	736.3	688.0	681.6	681.2
75°	635.6	638.4	652.2	700.4	804.0	866.9	796.3	693.8	640.7	628.5	631.1
77.5°	541.5	547.0	561.1	616.5	738.1	808.4	732.9	615.0	555.5	546.5	543.7
80°	397.3	389.8	415.2	464.4	550.9	647.7	558.9	463.4	401.7	385.2	389.3
82.5°	135.2	138.4	178.6	238.4	302.4	378.1	321.0	232.1	170.9	150.3	141.1
85°	16.4	17.8	27.8	50.7	95.2	137.6	97.2	51.5	32.0	19.7	17.3
87.5°	8.0	8.5	11.9	12.7	15.8	13.4	15.9	10.2	9.7	5.9	4.9
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°	247.3	247.3	247.3	247.3	247.3	247.3	247.3	247.3	247.3	247.3
2.5°	247.3	247.0	246.8	246.5	246.2	246.2	246.2	246.2	246.2	246.3
5°	247.3	247.0	246.8	246.3	246.0	246.0	245.8	246.0	245.8	246.0
7.5°	247.3	246.8	246.3	245.8	245.5	245.7	245.3	245.1	245.3	245.3
10°	247.2	246.3	245.7	245.1	245.0	244.8	244.8	244.6	245.0	244.8
12.5°	247.0	246.0	245.1	244.5	244.3	244.3	244.3	244.3	244.8	244.6
15°	246.8	245.8	245.0	244.1	244.0	244.3	244.3	244.6	245.0	245.0
17.5°	247.0	245.8	244.8	244.1	244.1	244.5	244.6	245.1	245.7	245.3
20°	247.7	246.3	245.5	244.8	245.1	245.5	245.5	245.8	246.3	246.0
22.5°	248.7	247.7	247.0	246.8	247.3	247.5	247.3	247.2	247.3	247.0
25°	251.1	250.1	249.5	250.2	250.7	250.6	249.9	249.2	248.9	248.7
27.5°	255.5	254.6	254.5	255.3	255.8	255.0	253.8	252.8	252.4	251.9
30°	260.9	260.4	260.9	261.7	261.9	260.6	258.9	257.3	256.8	256.8
32.5°	268.0	267.5	268.7	270.0	270.4	268.5	265.8	263.8	262.4	262.3
35°	278.3	278.0	278.3	280.0	279.9	278.0	275.0	272.6	271.2	271.2
37.5°	292.7	292.4	291.6	293.3	293.1	290.5	287.3	285.3	283.8	283.9
40°	311.6	311.0	310.0	310.4	311.7	308.3	304.3	301.6	301.4	301.4
42.5°	334.1	331.7	332.1	334.1	333.1	329.0	325.3	322.9	322.9	322.7
45°	358.7	357.8	357.5	358.1	359.0	355.8	349.5	346.8	346.6	346.6
47.5°	387.1	382.9	383.7	385.4	387.5	383.4	375.4	372.2	371.7	371.9
50°	414.9	410.5	411.3	414.9	418.8	412.4	402.5	398.6	398.0	398.3
52.5°	443.7	440.0	440.0	445.9	451.0	443.0	430.7	425.9	425.9	425.7
55°	474.2	469.1	471.1	478.8	484.9	475.2	460.0	456.2	453.4	454.5
57.5°	504.5	499.4	501.1	512.8	520.4	508.9	489.8	482.0	480.3	480.0
60°	535.5	529.8	531.8	550.1	559.1	543.8	515.7	506.2	504.7	504.5
62.5°	569.9	565.8	568.9	590.1	600.4	578.7	543.3	532.5	533.0	531.8
65°	612.8	609.6	614.8	640.7	653.4	621.6	579.1	566.5	568.0	567.9
67.5°	674.1	670.2	673.4	709.7	721.0	680.2	628.7	616.3	618.7	622.6
70°	712.6	715.4	744.4	795.2	826.4	784.7	716.6	693.4	694.6	695.1
72°	688.5	695.8	738.8	814.7	877.2	817.9	725.3	684.1	678.0	678.7
72.5°	682.1	687.7	730.9	806.6	873.0	810.8	715.9	677.0	667.2	667.5
75°	633.6	644.3	685.8	764.6	835.7	775.1	680.0	638.5	630.9	630.9
77.5°	550.1	565.0	607.5	718.2	803.5	737.5	634.5	583.1	575.3	572.5
80°	404.7	426.6	468.4	577.7	669.9	609.6	522.3	469.4	457.3	452.8
82.5°	159.4	178.2	248.5	348.0	441.5	375.8	284.1	237.0	199.2	195.2
85°	19.8	32.0	62.7	114.7	175.3	124.7	74.4	39.0	21.0	17.6
87.5°	5.8	10.8	11.9	19.3	22.9	21.0	13.2	11.9	6.6	5.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)