

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: P177318

Luminaire Tested: **VAL-E01-LED-E-U-WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P177318
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-E01-LED-E-U-WQ
Description: VALET TUNNEL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - WIDE TYPE V SQUARE
Light Source: (21) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3092.1 lumens
Efficiency: N/A
Efficacy: 125.2 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): 24.7
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

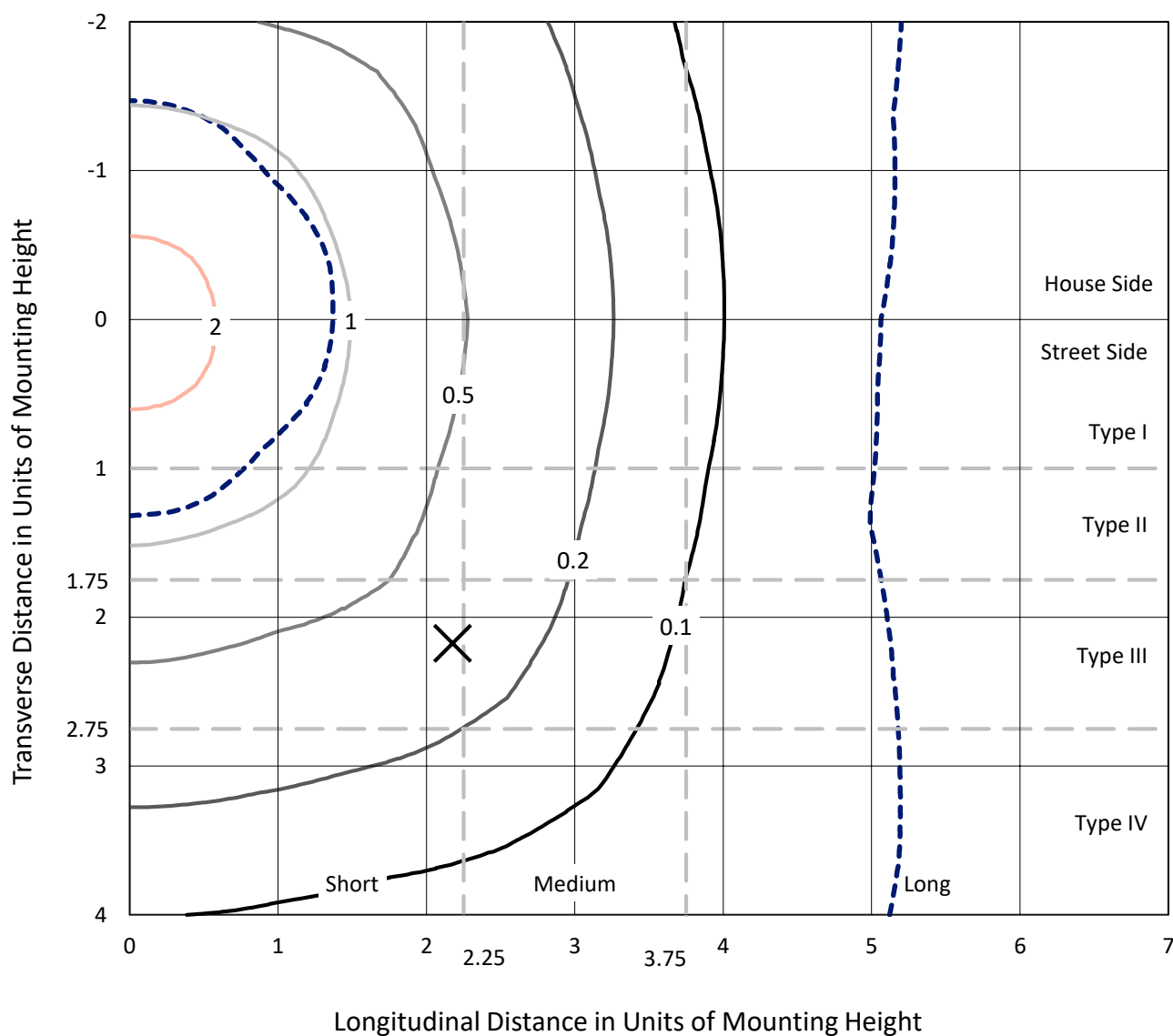


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

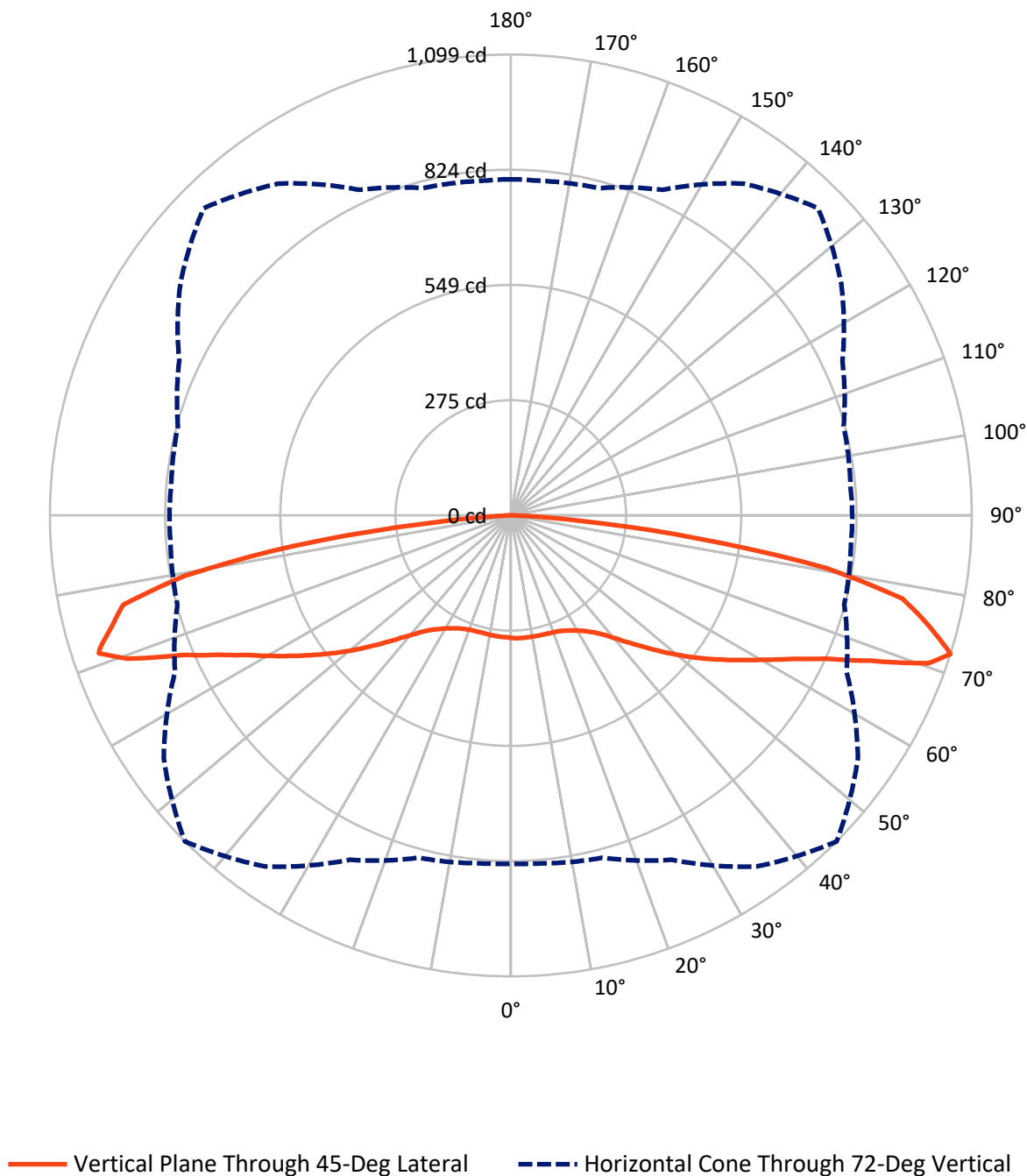


Based on 10 foot mounting height. Maximum calculated value = 2.9 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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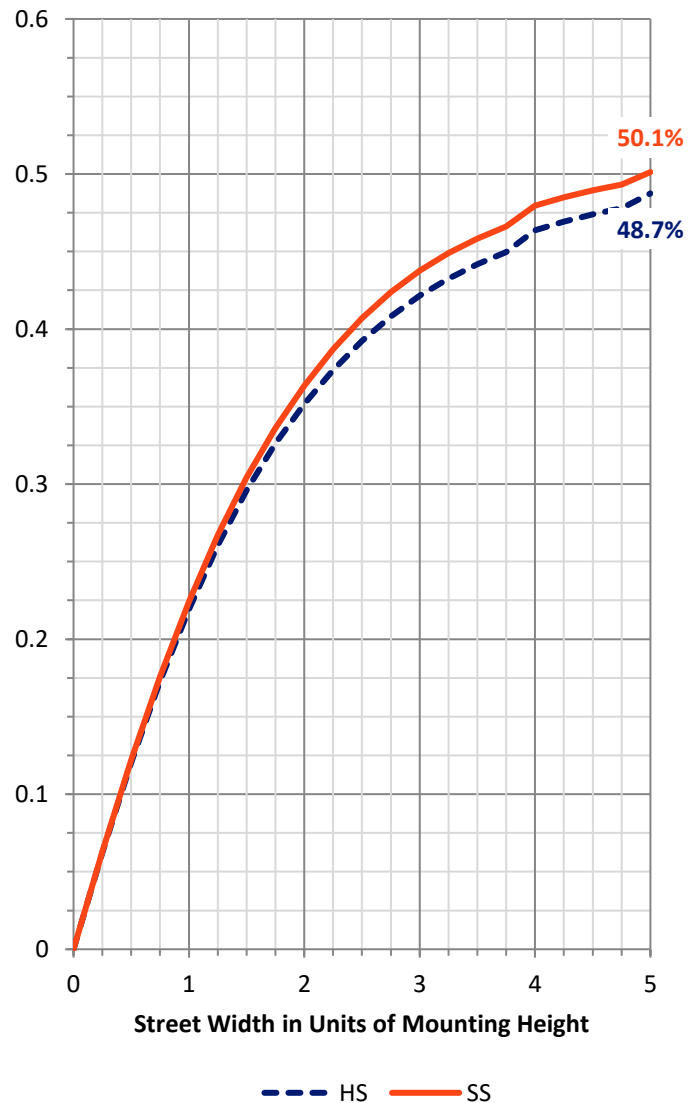
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1524.9	0.0	1524.9
	% Fixture	49.3	0.0	49.3
Street Side	Lumens	1567.2	0.0	1567.2
	% Fixture	50.7	0.0	50.7
Total	Lumens	3092.1	0.0	3092.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.9	0.9
10°-20°	82.8	2.7
20°-30°	139.1	4.5
30°-40°	211.7	6.8
40°-50°	334.6	10.8
50°-60°	511.1	16.5
60°-70°	748.7	24.2
70°-80°	850.6	27.5
80°-90°	185.8	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°	3092.1	100.0
0°-180°	3092.1	100.0

Coefficient of Utilization



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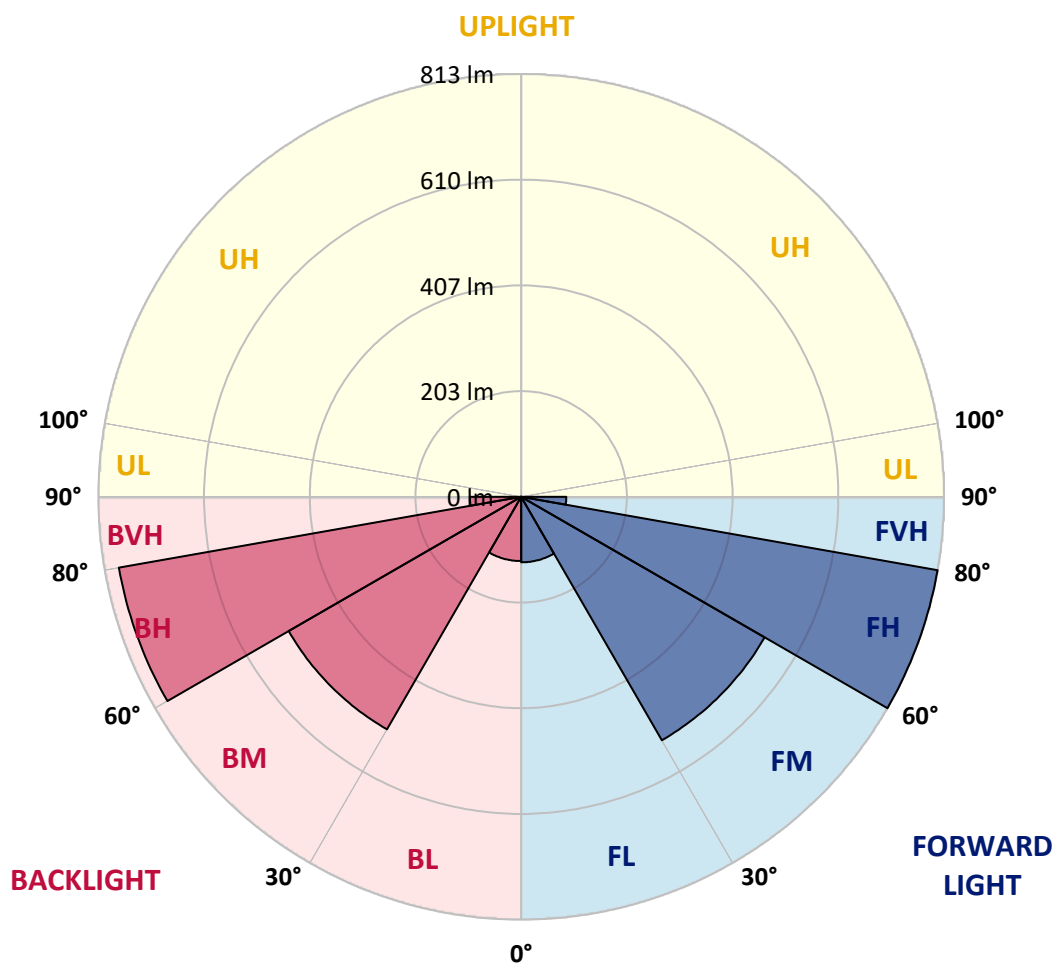
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	126.1	4.1			
FM	(30°-60°)	540.8	17.5			
FH	(60°-80°)	813.4	26.3			G1/1800
FVH	(80°-90°)	86.9	2.8			G1/100
BL	(0°-30°)	123.6	4.0	B1/500		
BM	(30°-60°)	516.5	16.7	B1/1000		
BH	(60°-80°)	785.8	25.4	B2/1000		G1/1800
BVH	(80°-90°)	98.9	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°	292.0	292.0	292.0	292.0	292.0	292.0	292.0	292.0	292.0	292.0	292.0
2.5°	294.4	294.4	293.6	293.2	293.2	293.0	292.8	292.8	292.6	292.8	292.2
5°	294.8	294.8	294.0	293.6	293.4	293.2	293.2	292.8	292.6	292.8	292.2
7.5°	294.8	295.0	294.6	294.2	293.6	293.4	293.2	292.6	292.6	292.2	292.0
10°	295.6	296.2	295.4	294.8	294.0	293.6	293.0	292.6	292.4	292.0	292.0
12.5°	296.2	296.8	296.0	295.4	294.6	294.0	293.2	292.6	292.2	291.6	291.8
15°	297.0	297.6	296.8	296.0	295.2	294.4	293.6	292.8	292.2	291.8	291.8
17.5°	297.4	298.0	297.2	296.4	295.8	295.4	294.4	293.2	292.4	292.0	292.0
20°	298.0	298.6	298.0	297.6	297.0	296.8	295.8	294.4	293.4	292.8	292.6
22.5°	299.4	299.8	299.6	299.6	299.6	299.4	298.6	296.4	295.2	294.2	294.0
25°	302.8	302.6	303.0	303.4	303.6	304.0	302.8	300.4	298.8	297.2	297.0
27.5°	308.4	308.6	308.8	309.6	310.4	310.6	309.4	306.8	304.4	302.2	302.0
30°	314.8	314.8	315.6	317.2	318.0	318.6	317.4	314.2	311.2	309.0	308.6
32.5°	324.0	324.8	325.2	327.0	328.6	329.2	327.4	324.0	320.6	317.8	317.2
35°	337.2	338.4	338.8	340.4	342.2	342.4	340.8	337.0	333.4	329.6	329.8
37.5°	355.8	356.0	357.0	357.4	360.8	360.8	358.2	354.8	351.2	347.8	346.8
40°	380.6	380.8	381.2	380.6	384.6	385.8	382.4	377.2	373.8	369.4	368.8
42.5°	407.6	409.6	409.4	408.4	412.4	415.0	410.8	404.8	401.2	396.6	395.8
45°	441.0	440.6	438.8	441.0	445.6	448.4	443.2	435.6	431.8	426.0	425.8
47.5°	473.4	473.0	470.2	471.8	480.4	485.0	477.4	468.8	463.8	460.4	457.8
50°	504.2	507.0	503.4	506.8	518.0	524.2	517.2	503.6	497.6	492.4	491.0
52.5°	540.4	542.0	538.8	544.2	556.6	565.6	556.0	538.4	532.4	526.6	524.8
55°	577.4	576.6	575.0	581.0	596.2	606.8	596.4	575.2	566.4	562.0	562.0
57.5°	613.8	614.2	610.4	617.6	636.8	650.8	637.8	611.8	601.0	596.0	597.6
60°	652.8	652.8	647.0	653.6	680.4	698.2	678.6	648.8	637.0	634.0	634.2
62.5°	696.6	695.0	688.6	696.8	729.4	753.0	728.4	691.2	675.8	675.8	677.2
65°	747.2	744.6	742.4	751.8	794.0	822.8	790.4	743.4	729.8	728.2	730.8
67.5°	820.0	822.8	817.2	829.6	887.2	924.8	875.6	815.0	800.6	799.2	805.6
70°	885.6	882.8	890.0	925.0	1003.4	1055.8	987.4	894.2	853.0	844.6	847.2
72°	830.4	832.6	844.8	905.6	1021.8	1098.8	1010.0	883.2	822.8	814.0	813.8
72.5°	817.6	819.2	829.6	888.0	1008.6	1087.4	998.6	869.2	812.2	804.6	804.2
75°	750.4	753.6	770.0	826.8	949.2	1023.4	940.0	819.0	756.4	742.0	745.0
77.5°	639.2	645.8	662.4	727.8	871.4	954.4	865.2	726.0	655.8	645.2	641.8
80°	469.0	460.2	490.2	548.2	650.4	764.6	659.8	547.0	474.2	454.8	459.6
82.5°	159.6	163.4	210.8	281.4	357.0	446.4	379.0	274.0	201.8	177.4	166.6
85°	19.4	21.0	32.8	59.8	112.4	162.4	114.8	60.8	37.8	23.2	20.4
87.5°	9.4	10.0	14.0	15.0	18.6	15.8	18.8	12.0	11.4	7.0	5.8
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°	292.0	292.0	292.0	292.0	292.0	292.0	292.0	292.0	292.0	292.0
2.5°	292.0	291.6	291.4	291.0	290.6	290.6	290.6	290.6	290.6	290.8
5°	292.0	291.6	291.4	290.8	290.4	290.4	290.2	290.4	290.2	290.4
7.5°	292.0	291.4	290.8	290.2	289.8	290.0	289.6	289.4	289.6	289.6
10°	291.8	290.8	290.0	289.4	289.2	289.0	289.0	288.8	289.2	289.0
12.5°	291.6	290.4	289.4	288.6	288.4	288.4	288.4	288.4	289.0	288.8
15°	291.4	290.2	289.2	288.2	288.0	288.4	288.4	288.8	289.2	289.2
17.5°	291.6	290.2	289.0	288.2	288.2	288.6	288.8	289.4	290.0	289.6
20°	292.4	290.8	289.8	289.0	289.4	289.8	289.8	290.2	290.8	290.4
22.5°	293.6	292.4	291.6	291.4	292.0	292.2	292.0	291.8	292.0	291.6
25°	296.4	295.2	294.6	295.4	296.0	295.8	295.0	294.2	293.8	293.6
27.5°	301.6	300.6	300.4	301.4	302.0	301.0	299.6	298.4	298.0	297.4
30°	308.0	307.4	308.0	309.0	309.2	307.6	305.6	303.8	303.2	303.2
32.5°	316.4	315.8	317.2	318.8	319.2	317.0	313.8	311.4	309.8	309.6
35°	328.6	328.2	328.6	330.6	330.4	328.2	324.6	321.8	320.2	320.2
37.5°	345.6	345.2	344.2	346.2	346.0	343.0	339.2	336.8	335.0	335.2
40°	367.8	367.2	366.0	366.4	368.0	364.0	359.2	356.0	355.8	355.8
42.5°	394.4	391.6	392.0	394.4	393.2	388.4	384.0	381.2	381.2	381.0
45°	423.4	422.4	422.0	422.8	423.8	420.0	412.6	409.4	409.2	409.2
47.5°	457.0	452.0	453.0	455.0	457.4	452.6	443.2	439.4	438.8	439.0
50°	489.8	484.6	485.6	489.8	494.4	486.8	475.2	470.6	469.8	470.2
52.5°	523.8	519.4	519.4	526.4	532.4	523.0	508.4	502.8	502.8	502.6
55°	559.8	553.8	556.2	565.2	572.4	561.0	543.0	538.6	535.2	536.6
57.5°	595.6	589.6	591.6	605.4	614.4	600.8	578.2	569.0	567.0	566.6
60°	632.2	625.4	627.8	649.4	660.0	642.0	608.8	597.6	595.8	595.6
62.5°	672.8	668.0	671.6	696.6	708.8	683.2	641.4	628.6	629.2	627.8
65°	723.4	719.6	725.8	756.4	771.4	733.8	683.6	668.8	670.6	670.4
67.5°	795.8	791.2	795.0	837.8	851.2	803.0	742.2	727.6	730.4	735.0
70°	841.2	844.6	878.8	938.8	975.6	926.4	846.0	818.6	820.0	820.6
72°	812.8	821.4	872.2	961.8	1035.6	965.6	856.2	807.6	800.4	801.2
72.5°	805.2	811.8	862.8	952.2	1030.6	957.2	845.2	799.2	787.6	788.0
75°	748.0	760.6	809.6	902.6	986.6	915.0	802.8	753.8	744.8	744.8
77.5°	649.4	667.0	717.2	847.8	948.6	870.6	749.0	688.4	679.2	675.8
80°	477.8	503.6	553.0	682.0	790.8	719.6	616.6	554.2	539.8	534.6
82.5°	188.2	210.4	293.4	410.8	521.2	443.6	335.4	279.8	235.2	230.4
85°	23.4	37.8	74.0	135.4	207.0	147.2	87.8	46.0	24.8	20.8
87.5°	6.8	12.8	14.0	22.8	27.0	24.8	15.6	14.0	7.8	6.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)