

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: P177321

Luminaire Tested: **VAL-F01-LED-E-U-WQ-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P177321
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-8030
Description: VALET TUNNEL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - WIDE TYPE V SQUARE
Light Source: (7) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2154.4 lumens
Efficiency: N/A
Efficacy: 83.2 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): 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

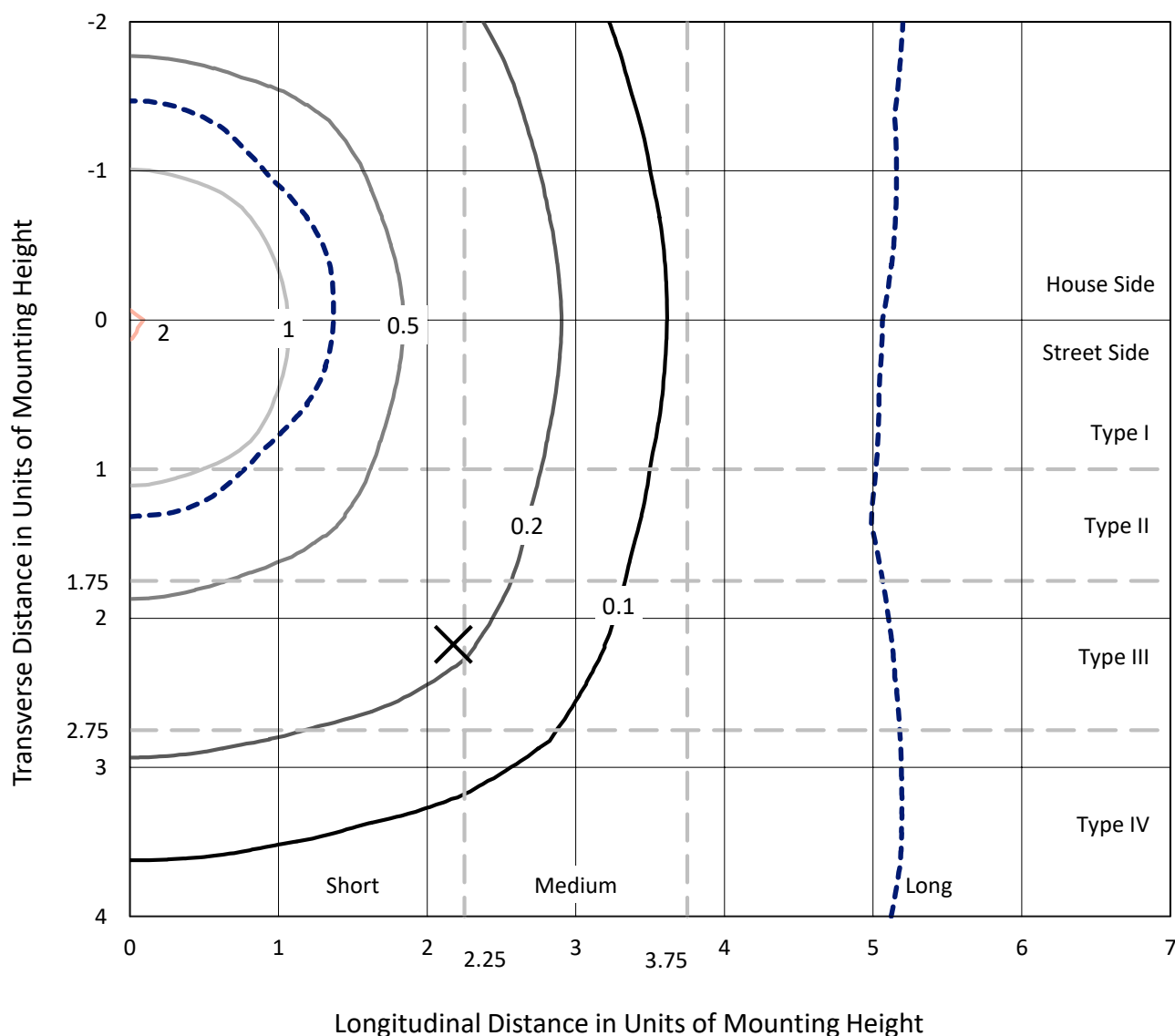


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

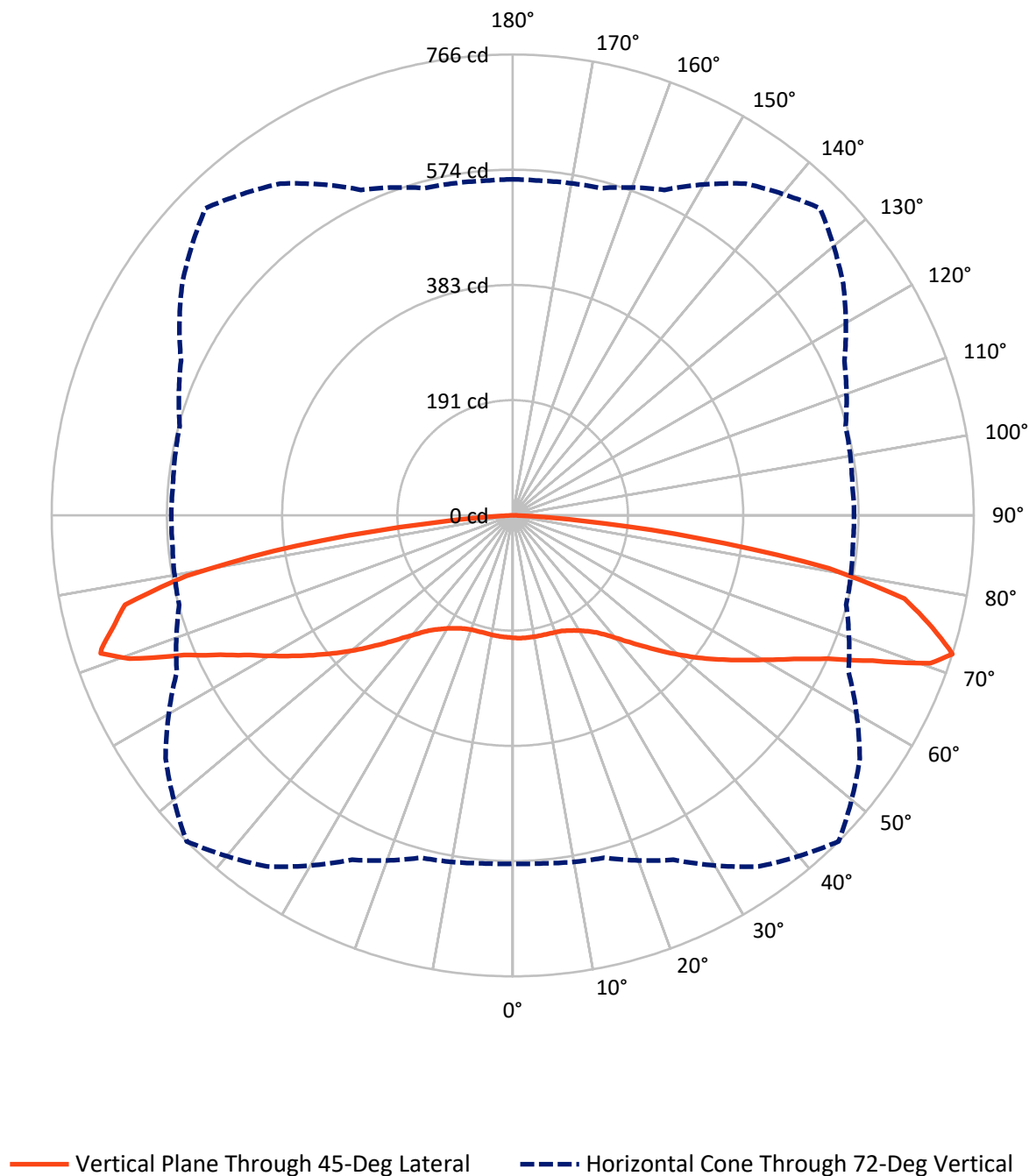


Based on 10 foot mounting height. Maximum calculated value = 2 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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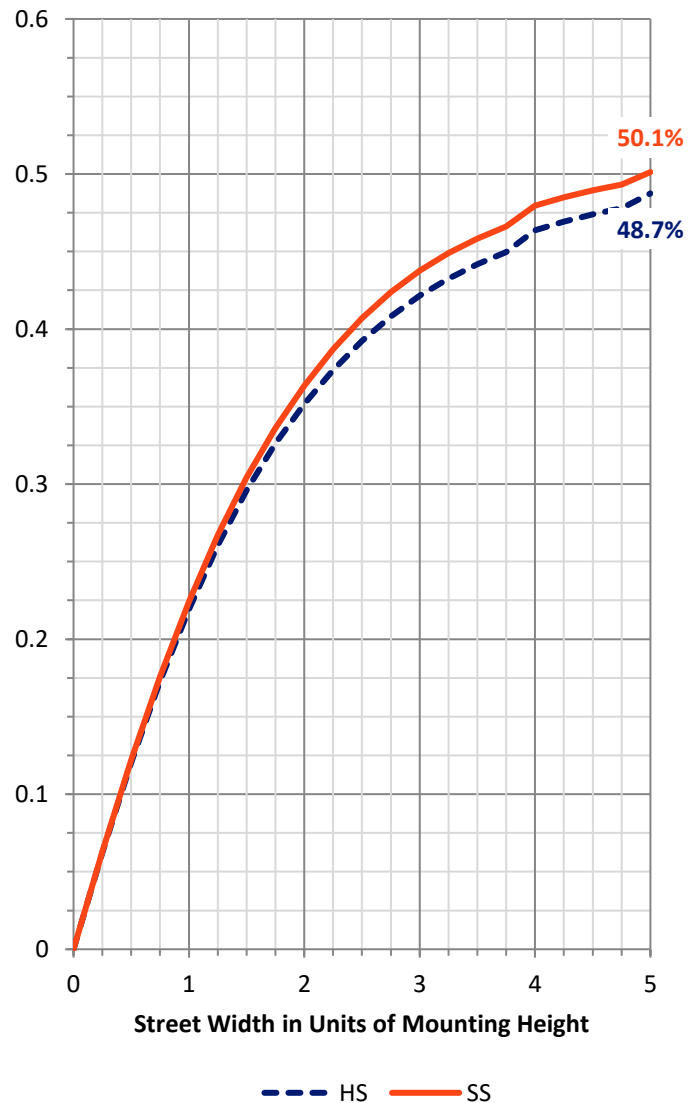
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1062.4	0.0	1062.4
	% Fixture	49.3	0.0	49.3
Street Side	Lumens	1092.0	0.0	1092.0
	% Fixture	50.7	0.0	50.7
Total	Lumens	2154.4	0.0	2154.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.4	0.9
10°-20°	57.7	2.7
20°-30°	96.9	4.5
30°-40°	147.5	6.8
40°-50°	233.1	10.8
50°-60°	356.1	16.5
60°-70°	521.7	24.2
70°-80°	592.6	27.5
80°-90°	129.5	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°	2154.4	100.0
0°-180°	2154.4	100.0

Coefficient of Utilization



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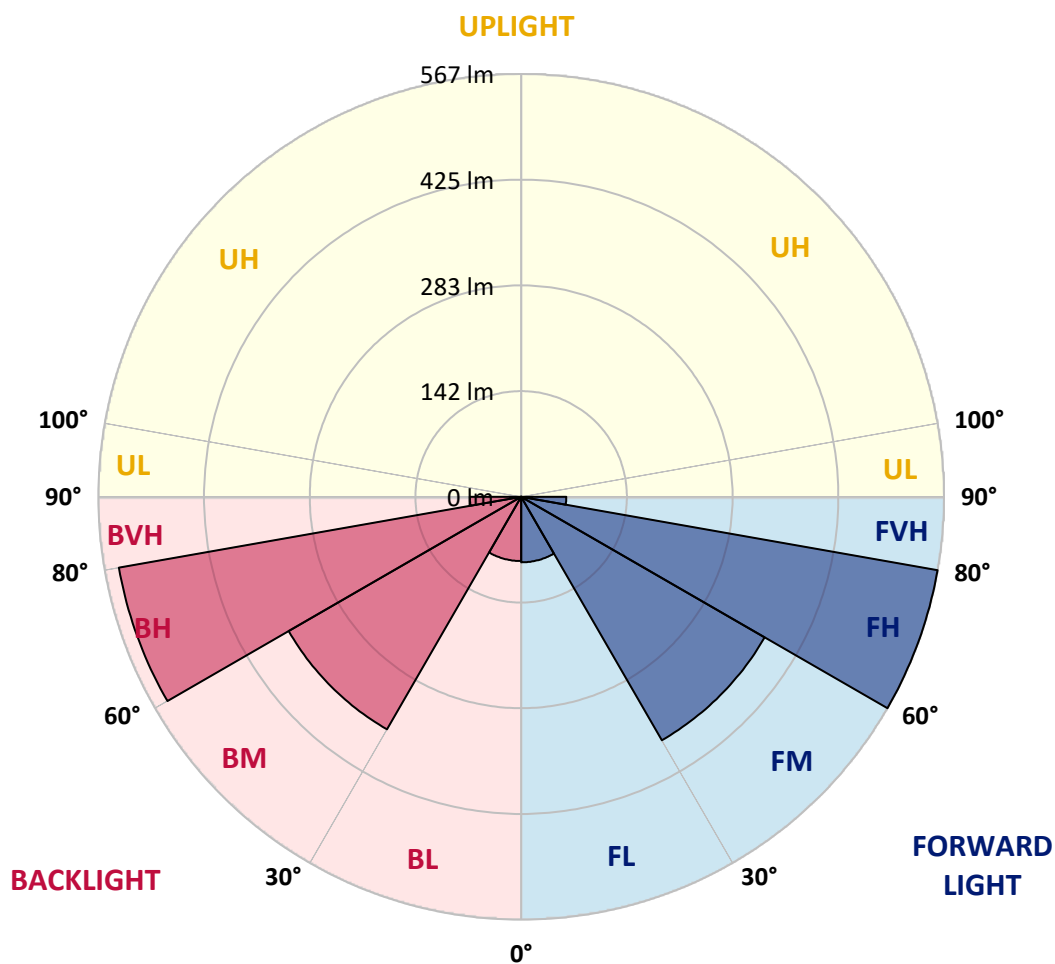
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	87.9	4.1			
FM	(30°-60°)	376.8	17.5			
FH	(60°-80°)	566.8	26.3			G0/660
FVH	(80°-90°)	60.6	2.8			G1/100
BL	(0°-30°)	86.1	4.0	B0/110		
BM	(30°-60°)	359.9	16.7	B1/1000		
BH	(60°-80°)	547.5	25.4	B2/1000		G0/660
BVH	(80°-90°)	68.9	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°	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4
2.5°	205.1	205.1	204.6	204.3	204.3	204.1	204.0	204.0	203.9	204.0	203.6
5°	205.4	205.4	204.8	204.6	204.4	204.3	204.3	204.0	203.9	204.0	203.6
7.5°	205.4	205.5	205.3	205.0	204.6	204.4	204.3	203.9	203.9	203.6	203.4
10°	206.0	206.4	205.8	205.4	204.8	204.6	204.1	203.9	203.7	203.4	203.4
12.5°	206.4	206.8	206.2	205.8	205.3	204.8	204.3	203.9	203.6	203.2	203.3
15°	206.9	207.3	206.8	206.2	205.7	205.1	204.6	204.0	203.6	203.3	203.3
17.5°	207.2	207.6	207.1	206.5	206.1	205.8	205.1	204.3	203.7	203.4	203.4
20°	207.6	208.0	207.6	207.3	206.9	206.8	206.1	205.1	204.4	204.0	203.9
22.5°	208.6	208.9	208.7	208.7	208.7	208.6	208.0	206.5	205.7	205.0	204.8
25°	211.0	210.8	211.1	211.4	211.5	211.8	211.0	209.3	208.2	207.1	206.9
27.5°	214.9	215.0	215.2	215.7	216.3	216.4	215.6	213.8	212.1	210.6	210.4
30°	219.3	219.3	219.9	221.0	221.6	222.0	221.1	218.9	216.8	215.3	215.0
32.5°	225.7	226.3	226.6	227.8	228.9	229.4	228.1	225.7	223.4	221.4	221.0
35°	234.9	235.8	236.1	237.2	238.4	238.6	237.4	234.8	232.3	229.6	229.8
37.5°	247.9	248.0	248.7	249.0	251.4	251.4	249.6	247.2	244.7	242.3	241.6
40°	265.2	265.3	265.6	265.2	268.0	268.8	266.4	262.8	260.4	257.4	257.0
42.5°	284.0	285.4	285.2	284.5	287.3	289.1	286.2	282.0	279.5	276.3	275.8
45°	307.3	307.0	305.7	307.3	310.5	312.4	308.8	303.5	300.9	296.8	296.7
47.5°	329.8	329.6	327.6	328.7	334.7	337.9	332.6	326.6	323.1	320.8	319.0
50°	351.3	353.2	350.7	353.1	360.9	365.2	360.4	350.9	346.7	343.1	342.1
52.5°	376.5	377.6	375.4	379.2	387.8	394.1	387.4	375.1	370.9	366.9	365.6
55°	402.3	401.7	400.6	404.8	415.4	422.8	415.5	400.8	394.6	391.6	391.6
57.5°	427.7	427.9	425.3	430.3	443.7	453.4	444.4	426.3	418.7	415.3	416.4
60°	454.8	454.8	450.8	455.4	474.1	486.5	472.8	452.0	443.8	441.7	441.9
62.5°	485.3	484.2	479.8	485.5	508.2	524.6	507.5	481.6	470.9	470.9	471.8
65°	520.6	518.8	517.3	523.8	553.2	573.3	550.7	518.0	508.5	507.4	509.2
67.5°	571.3	573.3	569.4	578.0	618.1	644.3	610.1	567.8	557.8	556.8	561.3
70°	617.0	615.1	620.1	644.5	699.1	735.6	688.0	623.0	594.3	588.5	590.3
72°	578.6	580.1	588.6	631.0	711.9	765.6	703.7	615.4	573.3	567.1	567.0
72.5°	569.7	570.8	578.0	618.7	702.7	757.6	695.8	605.6	565.9	560.6	560.3
75°	522.8	525.1	536.5	576.1	661.3	713.0	654.9	570.6	527.0	517.0	519.1
77.5°	445.4	450.0	461.5	507.1	607.1	665.0	602.8	505.8	456.9	449.5	447.2
80°	326.8	320.6	341.5	382.0	453.2	532.7	459.7	381.1	330.4	316.9	320.2
82.5°	111.2	113.8	146.9	196.1	248.7	311.0	264.1	190.9	140.6	123.6	116.1
85°	13.5	14.6	22.9	41.7	78.3	113.1	80.0	42.4	26.3	16.2	14.2
87.5°	6.5	7.0	9.8	10.5	13.0	11.0	13.1	8.4	7.9	4.9	4.0
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°	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4
2.5°	203.4	203.2	203.0	202.8	202.5	202.5	202.5	202.5	202.5	202.6
5°	203.4	203.2	203.0	202.6	202.3	202.3	202.2	202.3	202.2	202.3
7.5°	203.4	203.0	202.6	202.2	201.9	202.1	201.8	201.6	201.8	201.8
10°	203.3	202.6	202.1	201.6	201.5	201.4	201.4	201.2	201.5	201.4
12.5°	203.2	202.3	201.6	201.1	200.9	200.9	200.9	200.9	201.4	201.2
15°	203.0	202.2	201.5	200.8	200.7	200.9	200.9	201.2	201.5	201.5
17.5°	203.2	202.2	201.4	200.8	200.8	201.1	201.2	201.6	202.1	201.8
20°	203.7	202.6	201.9	201.4	201.6	201.9	201.9	202.2	202.6	202.3
22.5°	204.6	203.7	203.2	203.0	203.4	203.6	203.4	203.3	203.4	203.2
25°	206.5	205.7	205.3	205.8	206.2	206.1	205.5	205.0	204.7	204.6
27.5°	210.1	209.4	209.3	210.0	210.4	209.7	208.7	207.9	207.6	207.2
30°	214.6	214.2	214.6	215.3	215.4	214.3	212.9	211.7	211.3	211.3
32.5°	220.4	220.0	221.0	222.1	222.4	220.9	218.6	217.0	215.8	215.7
35°	228.9	228.7	228.9	230.3	230.2	228.7	226.2	224.2	223.1	223.1
37.5°	240.8	240.5	239.8	241.2	241.1	239.0	236.3	234.7	233.4	233.5
40°	256.3	255.8	255.0	255.3	256.4	253.6	250.3	248.0	247.9	247.9
42.5°	274.8	272.8	273.1	274.8	274.0	270.6	267.5	265.6	265.6	265.5
45°	295.0	294.3	294.0	294.6	295.3	292.6	287.5	285.2	285.1	285.1
47.5°	318.4	314.9	315.6	317.0	318.7	315.3	308.8	306.1	305.7	305.9
50°	341.3	337.6	338.3	341.3	344.5	339.2	331.1	327.9	327.3	327.6
52.5°	365.0	361.9	361.9	366.8	370.9	364.4	354.2	350.3	350.3	350.2
55°	390.0	385.9	387.5	393.8	398.8	390.9	378.3	375.3	372.9	373.9
57.5°	415.0	410.8	412.2	421.8	428.1	418.6	402.9	396.4	395.0	394.8
60°	440.5	435.7	437.4	452.5	459.8	447.3	424.2	416.4	415.1	415.0
62.5°	468.8	465.4	467.9	485.3	493.8	476.0	446.9	438.0	438.4	437.4
65°	504.0	501.4	505.7	527.0	537.5	511.3	476.3	466.0	467.2	467.1
67.5°	554.5	551.3	553.9	583.7	593.1	559.5	517.1	506.9	508.9	512.1
70°	586.1	588.5	612.3	654.1	679.7	645.5	589.4	570.3	571.3	571.7
72°	566.3	572.3	607.7	670.1	721.5	672.8	596.5	562.7	557.7	558.2
72.5°	561.0	565.6	601.1	663.4	718.1	666.9	588.9	556.8	548.7	549.0
75°	521.2	529.9	564.1	628.9	687.4	637.5	559.3	525.2	518.9	518.9
77.5°	452.5	464.7	499.7	590.7	660.9	606.6	521.9	479.6	473.2	470.9
80°	332.9	350.9	385.3	475.2	551.0	501.4	429.6	386.1	376.1	372.5
82.5°	131.1	146.6	204.4	286.2	363.1	309.1	233.7	194.9	163.9	160.5
85°	16.3	26.3	51.6	94.3	144.2	102.6	61.2	32.0	17.3	14.5
87.5°	4.7	8.9	9.8	15.9	18.8	17.3	10.9	9.8	5.4	4.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)