

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: P148599

Luminaire Tested: **AVS-E01-LED-E-U-5XQ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P148599
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33676)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: AVS-E01-LED-E-U-5XQ-7030
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2904.8 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
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



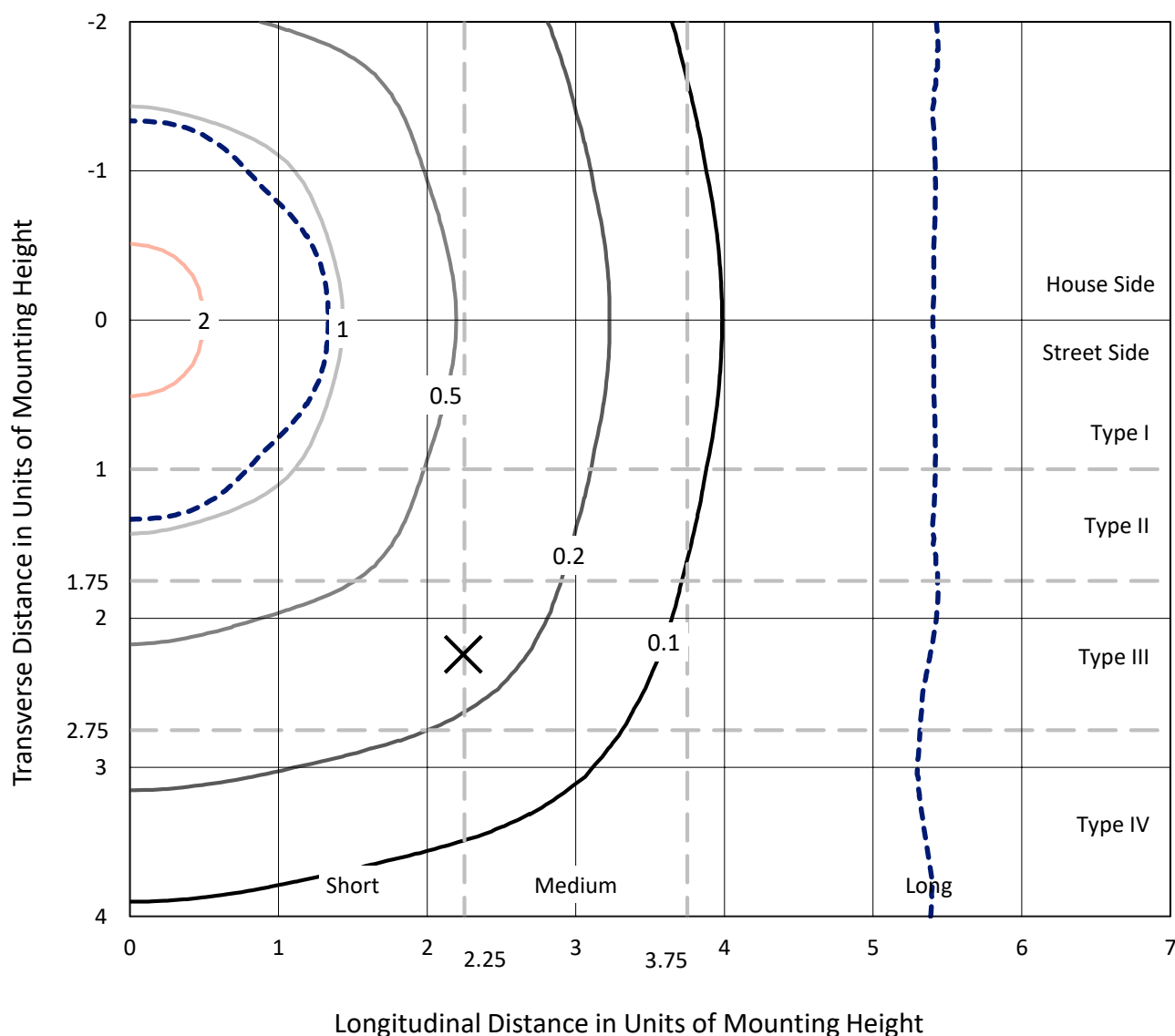
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

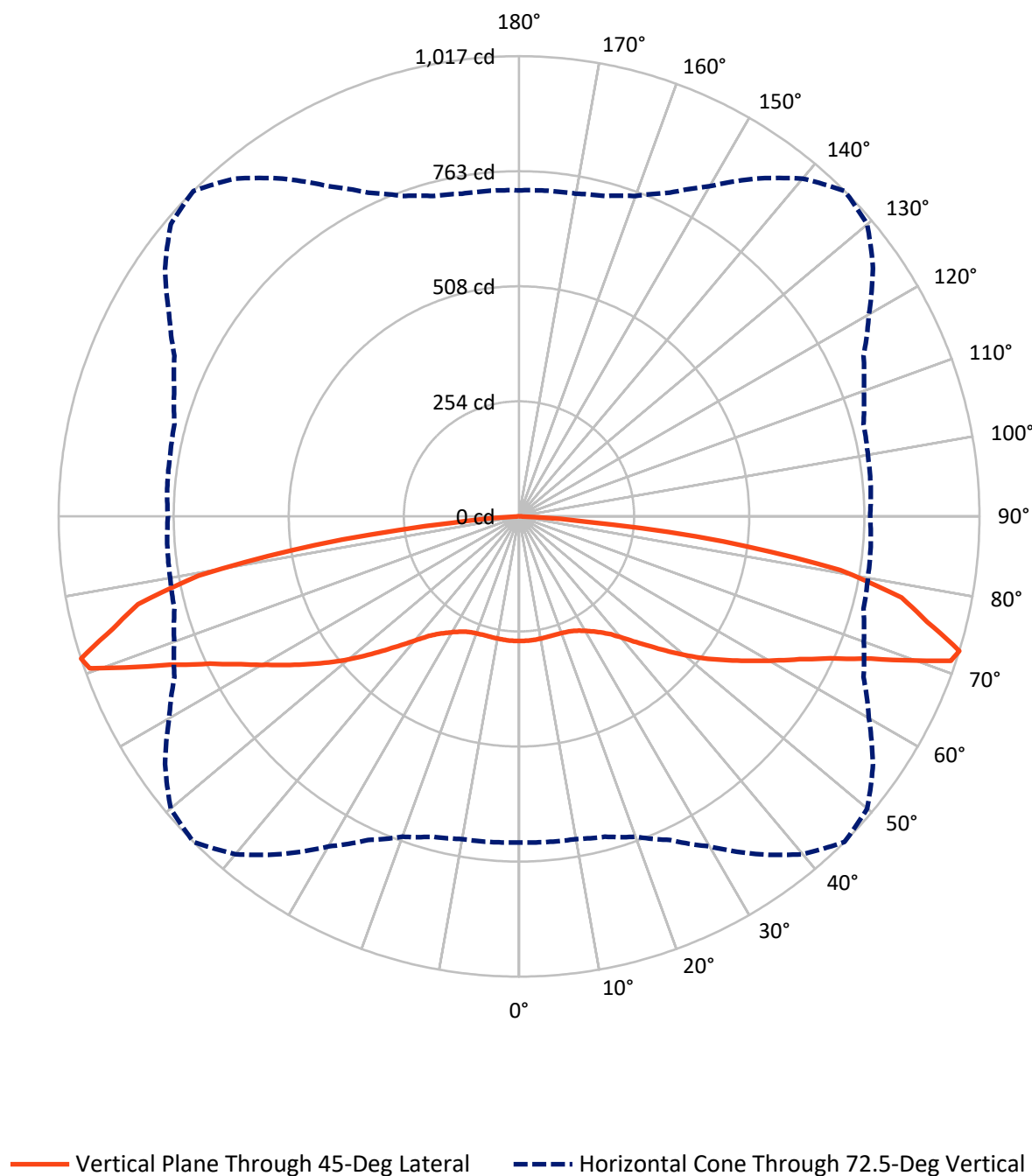


Based on 10 foot mounting height. Maximum calculated value = 2.8 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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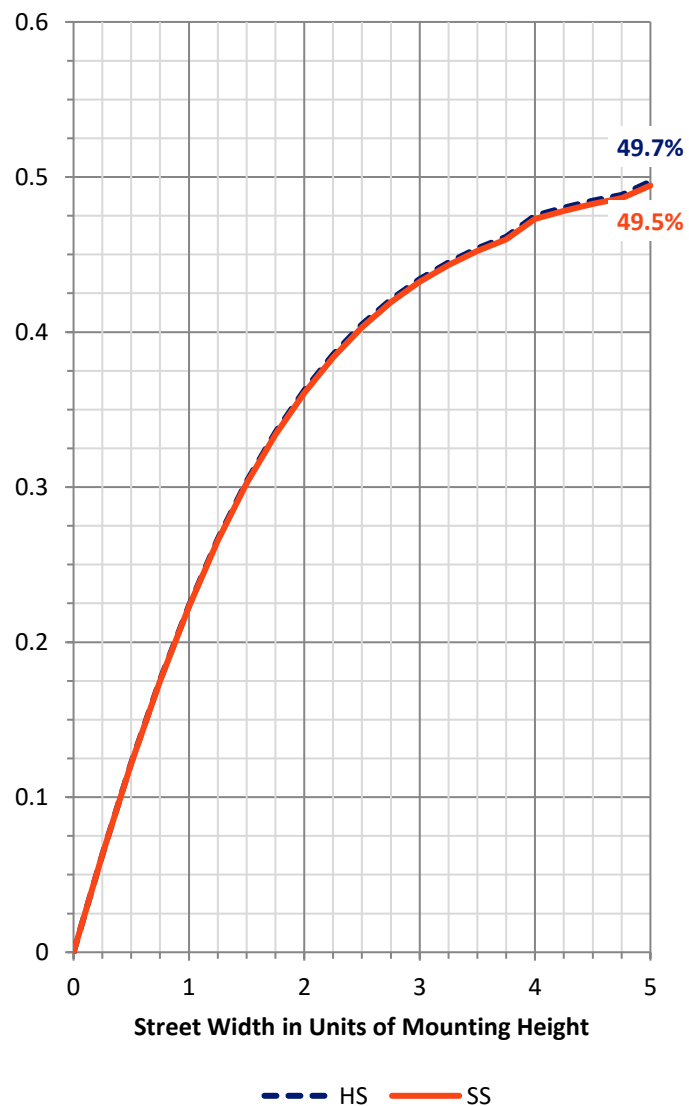
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1452.4	0.0	1452.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1452.4	0.0	1452.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	2904.8	0.0	2904.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.2	0.9
10°-20°	77.6	2.7
20°-30°	129.9	4.5
30°-40°	198.1	6.8
40°-50°	316.3	10.9
50°-60°	486.3	16.7
60°-70°	708.1	24.4
70°-80°	797.6	27.5
80°-90°	164.7	5.7
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°	2904.8	100.0
0°-180°	2904.8	100.0

Coefficient of Utilization



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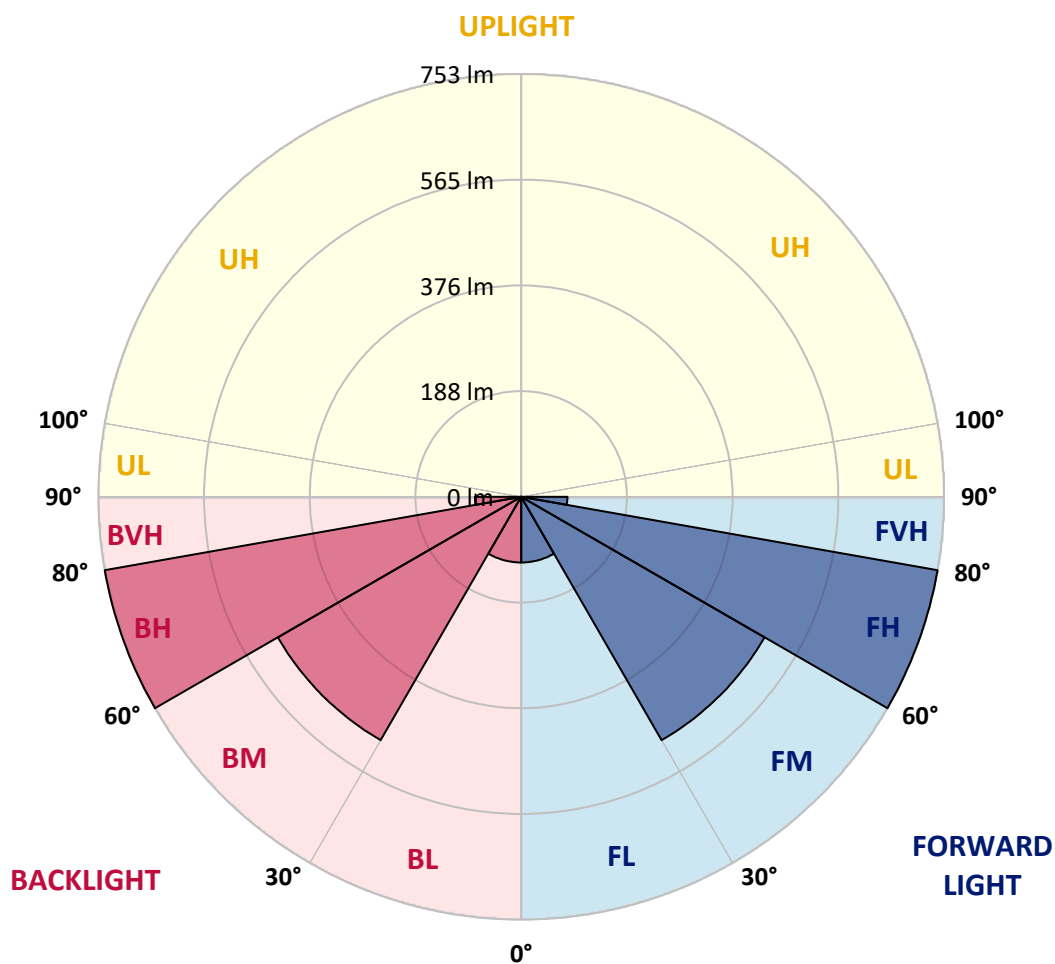
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	116.9	4.0			
FM	(30°-60°)	500.3	17.2			
FH	(60°-80°)	752.9	25.9			G1/1800
FVH	(80°-90°)	82.3	2.8			G1/100
BL	(0°-30°)	116.9	4.0	B1/500		
BM	(30°-60°)	500.3	17.2	B1/1000		
BH	(60°-80°)	752.9	25.9	B2/1000		G1/1800
BVH	(80°-90°)	82.3	2.8			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°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2
2.5°	275.6	275.9	275.8	275.6	275.6	275.6	275.4	275.4	274.8	275.1	275.6
5°	275.6	275.5	275.4	275.3	275.3	275.6	275.4	275.1	275.1	275.2	275.0
7.5°	275.4	275.2	275.1	275.0	275.0	275.1	274.9	274.6	274.8	274.6	274.3
10°	275.0	274.8	274.9	274.6	274.7	274.6	274.3	274.1	274.3	274.0	273.6
12.5°	275.1	274.8	274.8	274.6	274.5	274.5	274.1	273.7	273.8	273.6	273.3
15°	275.1	275.0	274.9	274.6	274.6	274.4	274.0	273.8	273.8	273.6	273.1
17.5°	275.3	275.2	275.2	274.8	274.7	274.6	274.1	273.9	274.1	273.6	273.4
20°	275.9	275.6	275.8	275.4	275.2	275.2	274.8	274.7	274.8	274.7	273.9
22.5°	276.7	276.7	276.9	276.8	276.7	276.8	276.5	276.5	276.6	276.6	275.9
25°	279.4	279.3	279.4	279.4	279.5	280.0	279.8	279.7	280.1	280.1	279.4
27.5°	284.1	284.0	284.1	284.4	284.8	285.4	285.3	285.5	286.1	285.9	285.4
30°	289.8	289.7	290.1	290.5	290.8	291.9	291.4	292.6	293.2	293.6	293.2
32.5°	298.0	298.0	298.8	299.1	299.7	300.8	300.9	301.9	302.6	303.3	302.8
35°	309.0	308.8	309.4	309.9	310.8	311.7	312.1	313.4	314.4	314.9	314.0
37.5°	325.8	325.0	325.9	326.2	326.9	327.2	328.2	329.7	330.9	330.7	330.1
40°	348.4	348.3	348.0	347.5	348.5	348.9	348.9	351.0	352.7	352.5	352.4
42.5°	374.9	374.2	373.8	373.8	374.4	374.6	376.9	378.4	379.7	380.0	379.7
45°	403.3	402.7	402.9	402.5	402.8	403.8	405.2	408.0	410.4	410.5	409.1
47.5°	434.0	431.8	433.6	431.2	432.6	433.4	436.8	440.9	445.2	445.9	444.8
50°	465.1	464.9	464.7	464.2	464.9	466.5	470.8	477.3	481.3	484.0	482.3
52.5°	499.0	497.8	497.3	496.6	497.2	500.5	506.3	512.0	519.4	522.5	520.0
55°	532.0	531.6	529.6	529.6	531.0	536.2	542.6	549.4	557.5	560.9	560.0
57.5°	566.0	563.7	563.1	562.3	565.2	569.9	577.8	590.3	598.5	602.5	600.2
60°	599.2	597.5	596.2	595.9	597.8	604.6	615.9	630.8	641.1	646.3	642.6
62.5°	634.8	633.8	632.1	630.5	634.6	643.2	657.2	673.8	688.9	695.3	689.8
65°	679.1	676.9	675.2	673.0	676.4	687.3	704.8	728.2	748.5	756.0	751.9
67.5°	725.8	723.7	723.9	722.5	728.6	743.6	766.3	798.0	825.3	838.0	830.6
70°	766.6	767.8	768.1	773.6	784.0	806.9	844.8	894.4	935.8	955.1	947.2
71°	754.6	757.1	760.9	766.7	784.9	811.9	863.4	923.6	973.0	1005.8	994.8
72.5°	720.4	722.1	723.9	732.8	753.3	789.0	842.1	910.9	974.3	1016.9	1004.1
75°	671.2	672.6	673.3	679.4	698.1	729.3	777.8	839.0	894.8	931.1	927.6
77.5°	596.7	596.9	602.3	611.8	632.7	668.4	719.6	782.9	835.4	863.6	845.8
80°	428.5	425.6	431.1	443.3	469.2	510.2	562.6	634.8	693.3	719.6	691.8
82.5°	163.0	171.8	185.8	206.0	214.8	260.3	309.2	351.6	400.8	455.8	442.0
85°	17.5	19.7	24.7	30.7	38.8	53.6	74.1	101.1	124.7	146.4	129.9
87.5°	6.6	6.7	7.5	8.6	8.7	9.1	9.7	11.4	10.6	9.1	7.5
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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2
2.5°	275.2	275.3	275.2	275.3	275.3	275.0	275.0	274.9
5°	275.1	274.9	275.0	275.1	275.0	275.1	274.9	275.0
7.5°	274.8	274.3	274.4	274.4	274.3	274.5	274.4	274.3
10°	274.0	273.4	273.8	273.6	273.5	273.6	273.6	273.6
12.5°	273.4	273.0	273.1	273.0	272.8	273.2	273.1	273.2
15°	273.2	272.5	272.5	272.3	272.4	272.5	272.5	272.7
17.5°	273.0	272.2	272.1	272.0	272.1	272.4	272.5	272.3
20°	273.5	272.8	272.7	272.5	272.5	272.8	272.7	272.7
22.5°	275.6	274.8	274.7	274.2	274.0	274.2	274.0	274.0
25°	279.0	278.1	277.8	277.0	276.4	276.4	276.2	276.0
27.5°	285.2	283.8	283.5	282.8	282.0	282.1	281.7	281.7
30°	292.3	291.2	290.1	289.1	288.1	287.7	287.2	287.0
32.5°	301.8	300.3	299.1	297.8	296.5	296.0	295.0	294.5
35°	313.2	311.4	309.8	309.0	307.7	306.9	306.3	307.0
37.5°	329.2	327.0	326.3	325.3	324.4	323.3	323.5	323.3
40°	351.5	349.5	348.7	346.9	346.7	345.5	346.3	345.6
42.5°	379.0	375.3	374.8	373.5	373.0	372.2	372.5	372.0
45°	408.9	405.6	405.0	402.8	402.9	401.2	401.9	401.9
47.5°	442.5	439.2	436.3	434.7	434.0	433.1	433.6	433.6
50°	477.3	472.5	469.4	466.3	465.0	465.3	464.2	466.1
52.5°	514.5	507.6	503.2	500.2	497.6	498.1	498.3	498.9
55°	553.2	544.2	537.8	534.0	531.6	531.8	532.4	533.1
57.5°	591.9	580.9	572.2	566.4	565.0	565.6	565.6	565.5
60°	632.2	619.0	607.8	601.2	599.8	599.5	602.5	601.5
62.5°	675.4	659.5	648.0	639.6	637.6	639.0	641.7	641.0
65°	732.7	710.8	695.8	687.5	684.1	685.6	689.1	688.9
67.5°	806.6	775.9	756.2	745.5	743.1	744.8	746.7	748.6
70°	917.2	873.3	845.1	822.0	812.1	810.3	812.2	812.2
71°	956.1	905.6	860.7	832.5	816.4	809.5	810.2	806.6
72.5°	954.4	892.3	839.8	810.4	787.9	782.4	779.7	775.5
75°	890.2	834.1	788.6	756.5	734.8	728.3	723.6	723.3
77.5°	807.3	765.9	715.8	681.8	655.3	644.6	639.8	639.6
80°	648.9	587.0	550.4	529.9	498.0	488.8	479.1	475.4
82.5°	392.4	306.6	249.3	221.6	206.2	169.7	152.3	144.1
85°	91.4	64.9	44.8	29.4	21.1	16.8	13.0	11.4
87.5°	6.1	4.9	4.4	3.5	2.7	2.6	1.6	1.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)