

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: P147561

Luminaire Tested: **AVS-E01-LED-E-U-5MQ-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P147561  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33674)  
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-5MQ-7050  
Description: VISION SITE SMALL LED LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM  
Light Source: (21) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3307.9 lumens  
Efficiency: N/A  
Efficacy: 133.9 lumens/watt  
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')  
IES Classification: Type V - Short - Full Cutoff  
BUG Rating: B2 - U0 - G1

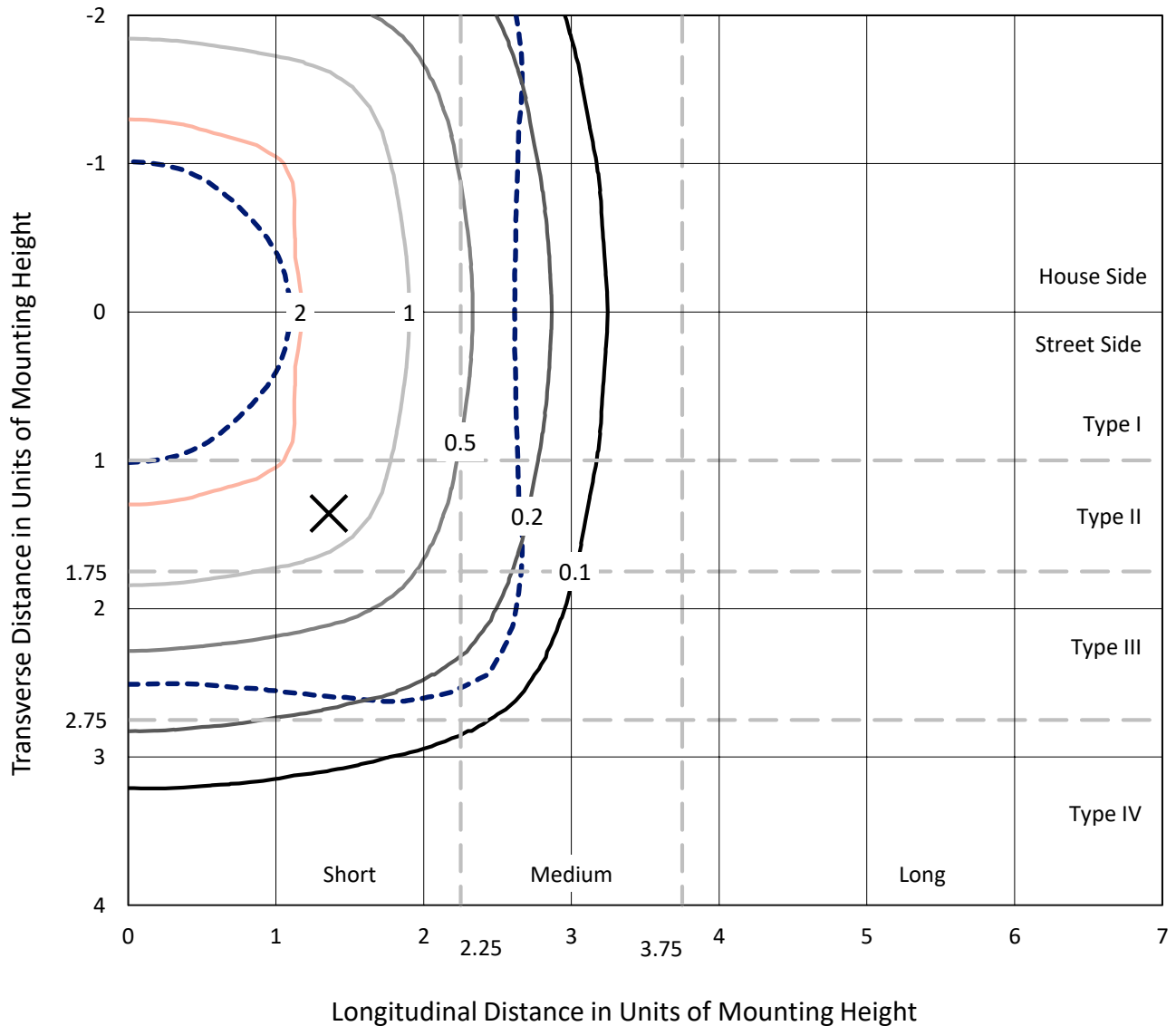
Input Watts (W): 24.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

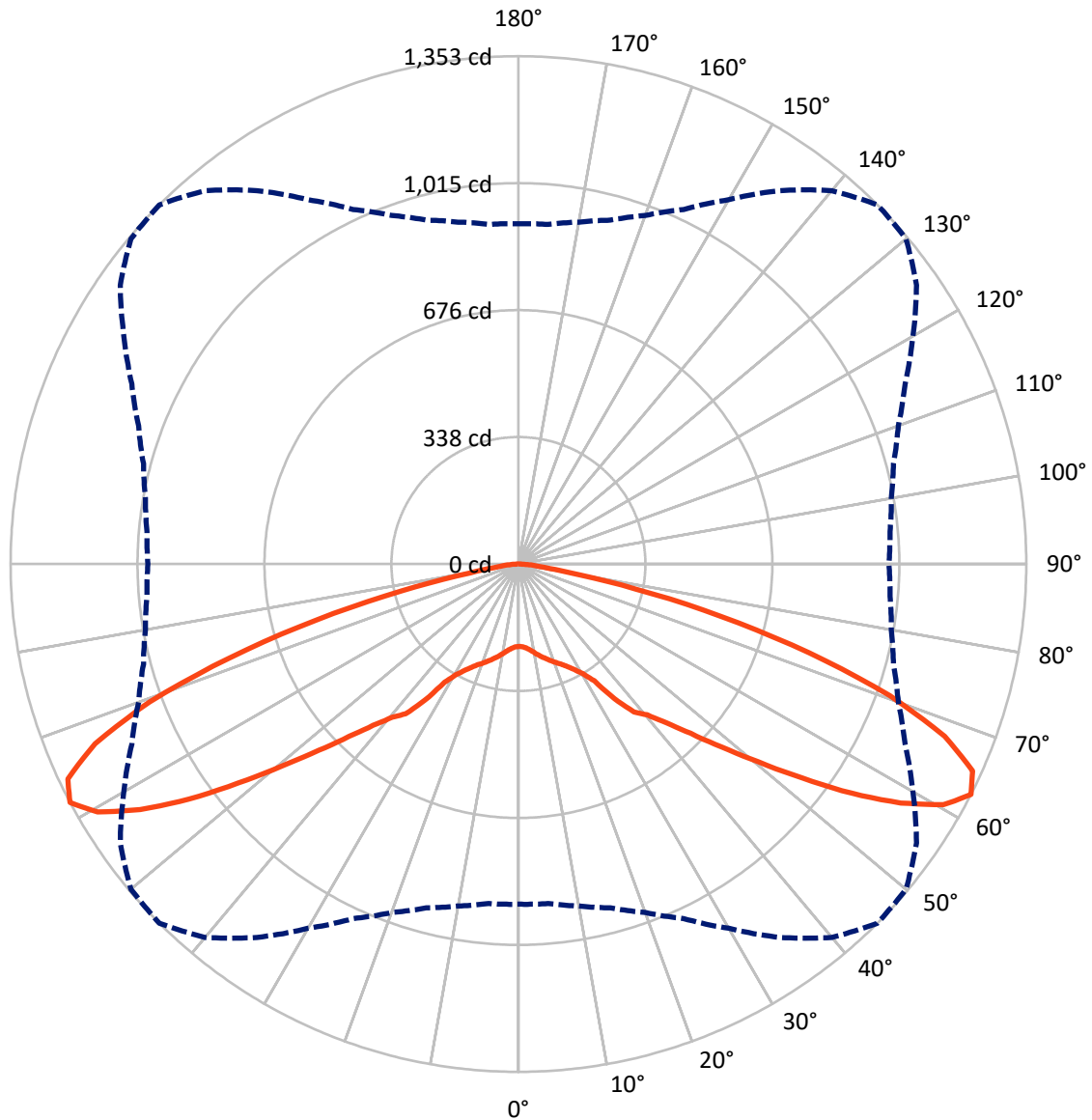
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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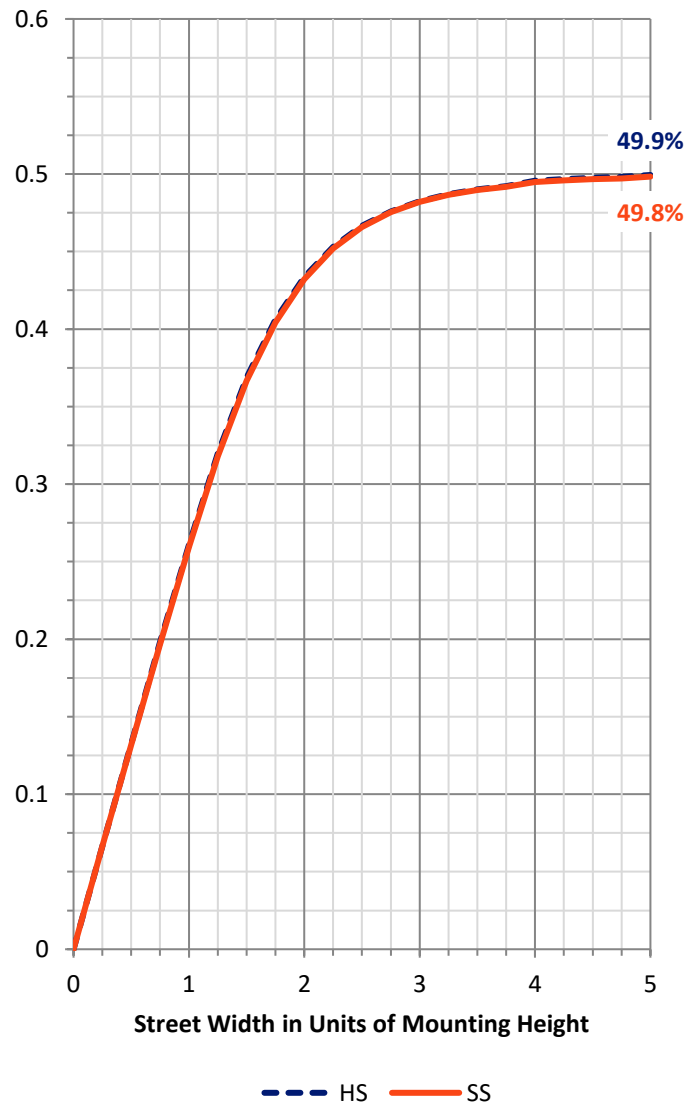
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1654.0	0.0	1654.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1654.0	0.0	1654.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3307.9	0.0	3307.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	22.0	0.7
10°-20°	74.4	2.2
20°-30°	143.8	4.3
30°-40°	278.5	8.4
40°-50°	502.8	15.2
50°-60°	874.3	26.4
60°-70°	992.6	30.0
70°-80°	384.8	11.6
80°-90°	34.7	1.0
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°	3307.9	100.0
0°-180°	3307.9	100.0



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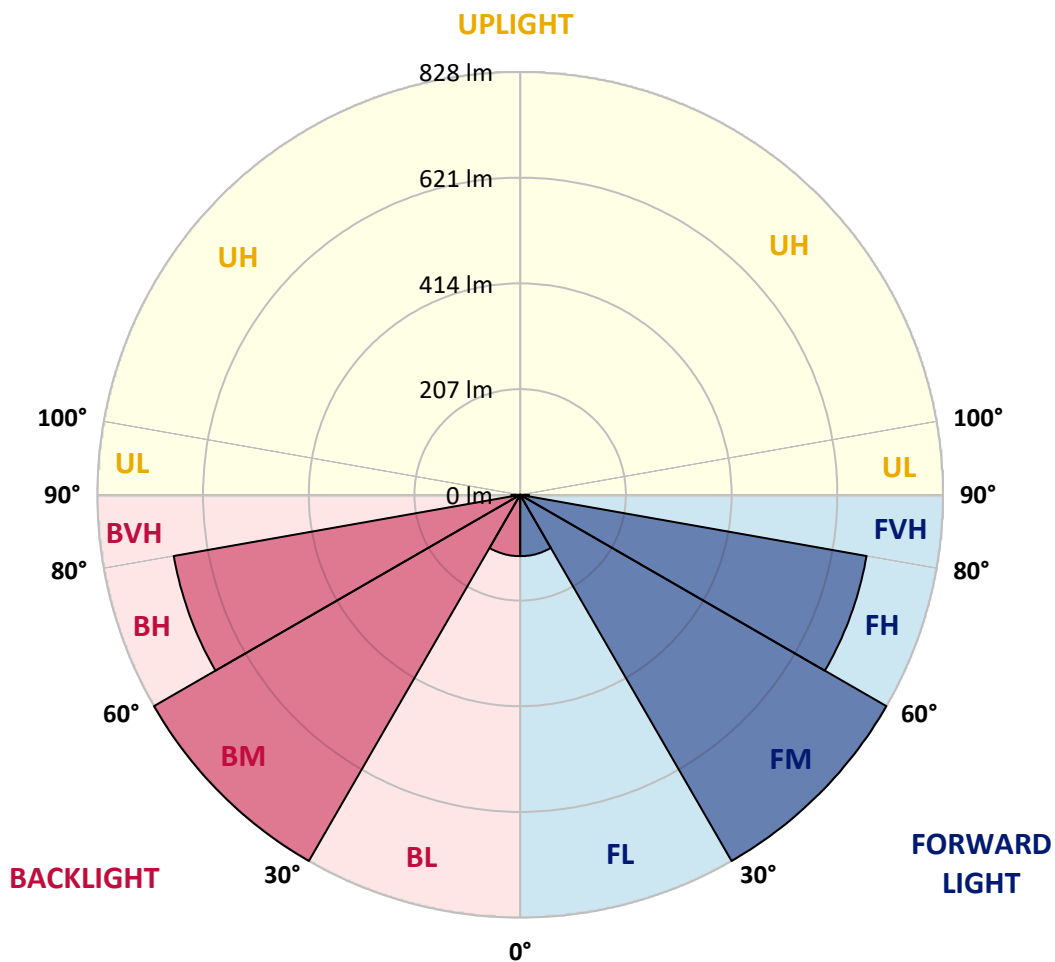
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	120.1	3.6			
FM (30°-60°)	827.8	25.0			
FH (60°-80°)	688.7	20.8			G1/1800
FVH (80°-90°)	17.4	0.5			G1/100
BL (0°-30°)	120.1	3.6	B1/500		
BM (30°-60°)	827.8	25.0	B1/1000		
BH (60°-80°)	688.7	20.8	B2/1000		G1/1800
BVH (80°-90°)	17.4	0.5			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°	219.6	219.6	219.6	219.6	219.6	219.6	219.6	219.6	219.6	219.6	219.6
2.5°	220.9	221.7	221.5	221.1	221.1	221.1	220.9	220.5	220.3	220.5	220.9
5°	226.1	226.1	226.1	226.1	225.7	225.7	225.5	225.1	225.3	224.9	224.7
7.5°	234.0	233.4	233.4	233.3	233.3	233.0	232.4	231.7	231.9	231.7	231.5
10°	243.2	243.3	242.9	243.3	242.5	242.3	241.7	241.2	241.1	240.6	240.6
12.5°	254.3	253.8	253.8	253.5	253.1	252.7	251.7	251.6	250.9	250.6	250.1
15°	264.7	264.6	263.8	263.2	263.0	262.7	261.6	260.8	260.6	259.8	259.1
17.5°	275.1	274.8	274.0	273.6	273.0	272.4	271.4	270.4	269.8	269.5	268.6
20°	286.3	286.0	285.2	284.5	283.5	282.9	281.3	280.4	280.0	279.4	278.8
22.5°	300.1	299.5	298.0	296.9	294.9	294.3	292.2	291.1	290.2	289.5	289.1
25°	315.2	315.4	313.5	311.9	309.7	307.9	305.2	303.8	303.0	302.4	302.2
27.5°	334.0	334.2	332.4	330.3	326.8	324.8	321.3	319.7	319.2	318.4	318.3
30°	363.7	362.3	359.4	355.6	352.6	348.2	343.2	341.6	339.9	339.3	339.3
32.5°	418.4	417.6	415.2	406.3	402.3	393.0	384.2	379.3	373.7	371.0	369.3
35°	456.8	456.4	454.5	451.5	448.9	447.0	441.9	441.0	440.0	440.0	441.5
37.5°	485.0	482.9	482.7	483.1	482.5	482.8	486.8	492.5	497.3	499.7	499.4
40°	526.7	523.8	525.5	524.4	522.8	522.5	523.8	526.0	528.3	528.3	527.8
42.5°	581.3	582.6	583.3	578.3	575.1	574.3	577.5	576.8	579.1	578.2	576.0
45°	662.4	661.6	660.3	654.3	649.1	645.1	646.0	644.8	644.9	643.5	641.9
47.5°	744.0	746.9	742.0	739.1	733.3	730.4	732.8	730.8	734.7	727.5	724.1
50°	823.4	825.5	823.8	819.7	819.7	823.8	826.7	830.5	836.0	827.8	815.4
52.5°	888.4	890.2	892.7	896.2	904.5	913.3	925.6	938.7	949.2	947.6	933.6
55°	928.1	930.2	934.5	946.3	961.2	984.2	1012.0	1042.7	1066.6	1078.2	1068.0
57.5°	941.5	943.0	954.6	968.8	992.2	1026.3	1073.0	1125.8	1171.8	1201.0	1196.5
60°	938.4	938.4	950.2	969.6	1002.5	1047.7	1113.7	1186.8	1257.3	1301.1	1294.5
62.5°	906.1	907.8	924.8	948.2	987.8	1041.9	1120.5	1214.1	1298.3	1352.7	1347.4
65°	835.2	836.5	854.7	882.6	926.8	990.9	1076.9	1180.5	1277.1	1329.5	1319.6
67.5°	720.8	722.1	736.9	768.4	815.2	882.1	974.9	1089.1	1183.6	1225.0	1195.2
70°	573.4	576.8	586.4	619.7	655.3	720.8	806.3	920.4	1009.7	1048.8	1016.0
72.5°	390.8	399.5	411.2	440.7	474.8	529.1	597.2	693.3	765.0	810.3	781.0
75°	220.1	232.4	236.1	258.4	286.4	329.3	379.1	448.1	520.4	557.1	522.0
77.5°	95.1	105.2	109.6	120.0	142.0	159.9	190.2	236.7	292.6	318.3	276.2
80°	46.8	49.2	51.1	54.3	60.5	66.3	80.7	101.1	123.9	129.8	103.3
82.5°	36.3	37.9	41.2	43.7	45.4	46.8	48.3	51.0	53.3	54.4	51.3
85°	25.5	27.8	31.3	34.2	35.9	37.1	38.3	39.2	37.1	33.8	35.6
87.5°	6.6	8.7	12.2	13.2	14.9	15.8	15.3	16.0	14.3	10.4	11.6
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):**

	55°	60°	65°	70°	75°	80°	85°	90°
0°	219.6	219.6	219.6	219.6	219.6	219.6	219.6	219.6
2.5°	220.7	220.6	220.8	220.7	220.7	220.6	220.6	220.6
5°	224.7	224.8	224.9	224.6	224.6	224.7	224.5	224.4
7.5°	231.4	231.2	231.3	231.1	231.2	231.1	231.1	230.9
10°	240.2	239.9	240.1	239.6	239.6	239.4	239.4	239.4
12.5°	249.8	249.3	249.5	249.0	248.1	248.3	248.5	248.3
15°	259.1	258.5	258.0	257.7	257.2	257.4	257.4	257.2
17.5°	268.5	267.5	267.3	266.7	266.5	266.6	266.5	266.7
20°	278.2	277.5	277.3	276.9	276.7	277.2	277.4	277.1
22.5°	288.7	288.3	288.7	288.3	288.9	289.2	289.3	289.0
25°	301.8	301.6	302.0	303.2	303.8	304.2	305.1	304.8
27.5°	318.8	318.4	319.6	321.3	322.4	324.0	325.0	325.3
30°	340.7	342.2	342.9	346.3	346.9	349.6	349.7	350.9
32.5°	372.5	375.3	380.5	385.8	393.2	398.4	398.4	401.2
35°	442.3	443.4	447.5	448.3	449.7	451.4	449.7	451.2
37.5°	495.8	490.6	486.6	481.5	478.1	478.1	478.5	478.1
40°	523.1	521.0	519.4	515.0	514.2	514.1	514.1	514.7
42.5°	572.0	567.0	564.4	560.6	559.4	559.1	559.0	559.3
45°	635.6	627.7	620.3	616.5	613.3	610.2	611.2	611.2
47.5°	709.7	697.2	685.3	678.8	673.2	670.6	668.8	668.3
50°	799.8	782.4	767.0	754.8	746.7	746.4	747.4	741.9
52.5°	910.4	882.8	863.6	847.3	839.5	838.7	835.9	832.8
55°	1032.7	1000.1	968.5	950.9	940.7	935.3	932.0	926.9
57.5°	1159.0	1115.0	1069.5	1041.2	1023.5	1011.2	1004.8	1001.9
60°	1256.4	1196.3	1136.3	1090.9	1061.3	1043.1	1031.7	1027.2
62.5°	1294.6	1213.3	1136.3	1076.7	1034.0	1008.7	993.4	986.7
65°	1248.9	1152.5	1064.9	999.3	951.5	923.3	906.7	899.6
67.5°	1121.3	1036.3	940.9	875.6	826.5	798.7	780.7	775.4
70°	940.1	853.1	762.1	703.7	659.9	637.2	618.7	616.4
72.5°	706.5	631.4	553.4	505.2	469.9	432.3	422.8	427.6
75°	452.8	382.6	313.2	269.6	237.5	201.7	187.8	191.2
77.5°	214.5	166.0	119.8	92.6	77.8	66.5	63.6	61.9
80°	79.6	64.5	57.0	54.1	52.0	50.2	48.8	47.2
82.5°	51.5	50.3	48.7	48.3	46.6	44.4	39.8	37.9
85°	38.5	38.5	36.5	36.6	35.4	32.3	28.2	26.0
87.5°	11.3	10.2	9.2	8.5	8.4	7.5	5.5	4.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)