

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: INVUE

Report Number: P147203

Luminaire Tested: **VXS-F05-LED-E1-5MQ-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P147203  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33674)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: VXS-F05-LED-E1-5MQ-8030  
Description: VISION SITE SMALL LED LUMINAIRE  
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM  
Light Source: (35) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11230.6 lumens  
Efficiency: N/A  
Efficacy: 84.3 lumens/watt  
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')  
IES Classification: Type V - Short - Full Cutoff  
BUG Rating: B3 - U0 - G2

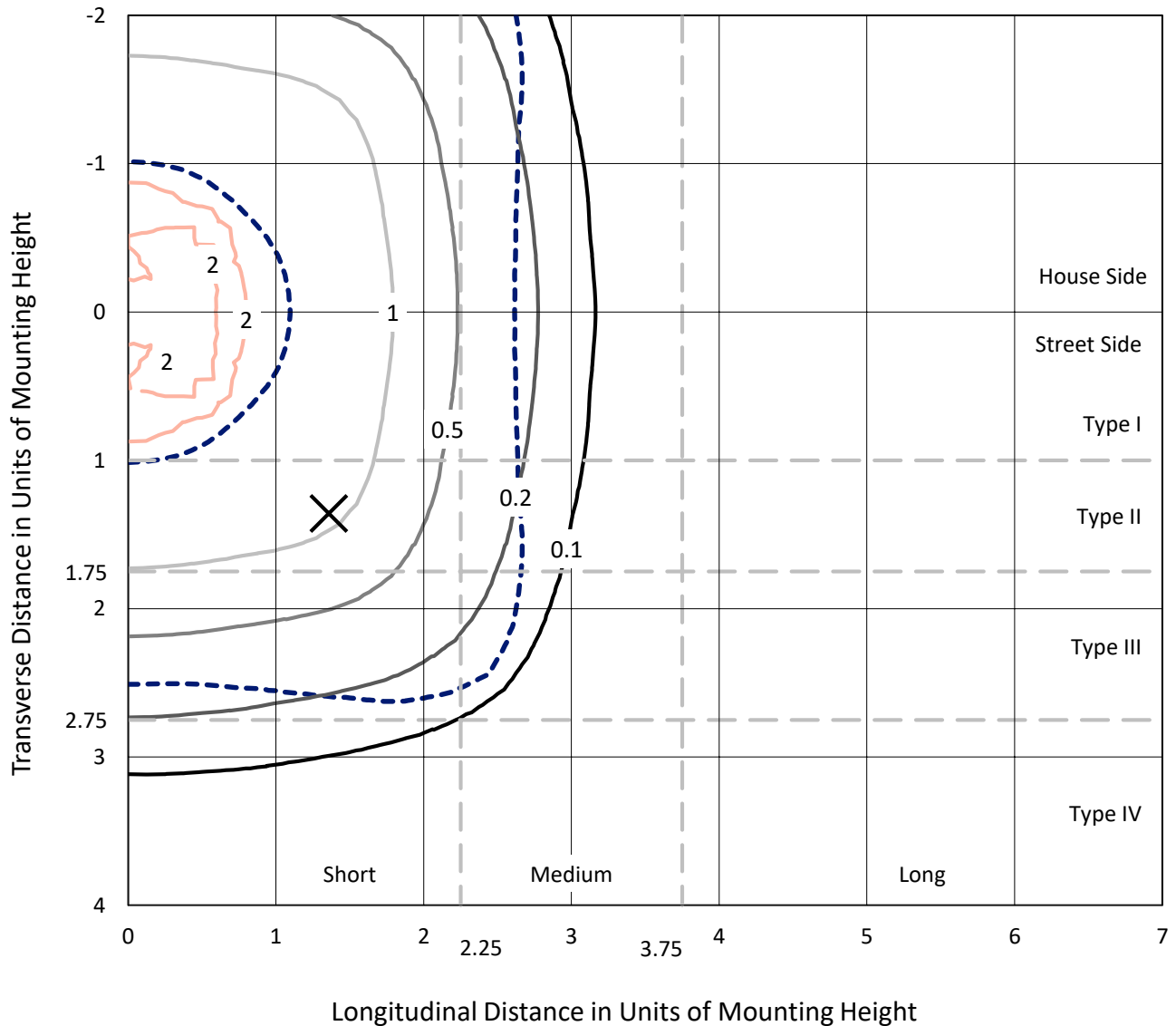
Input Watts (W): 133.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

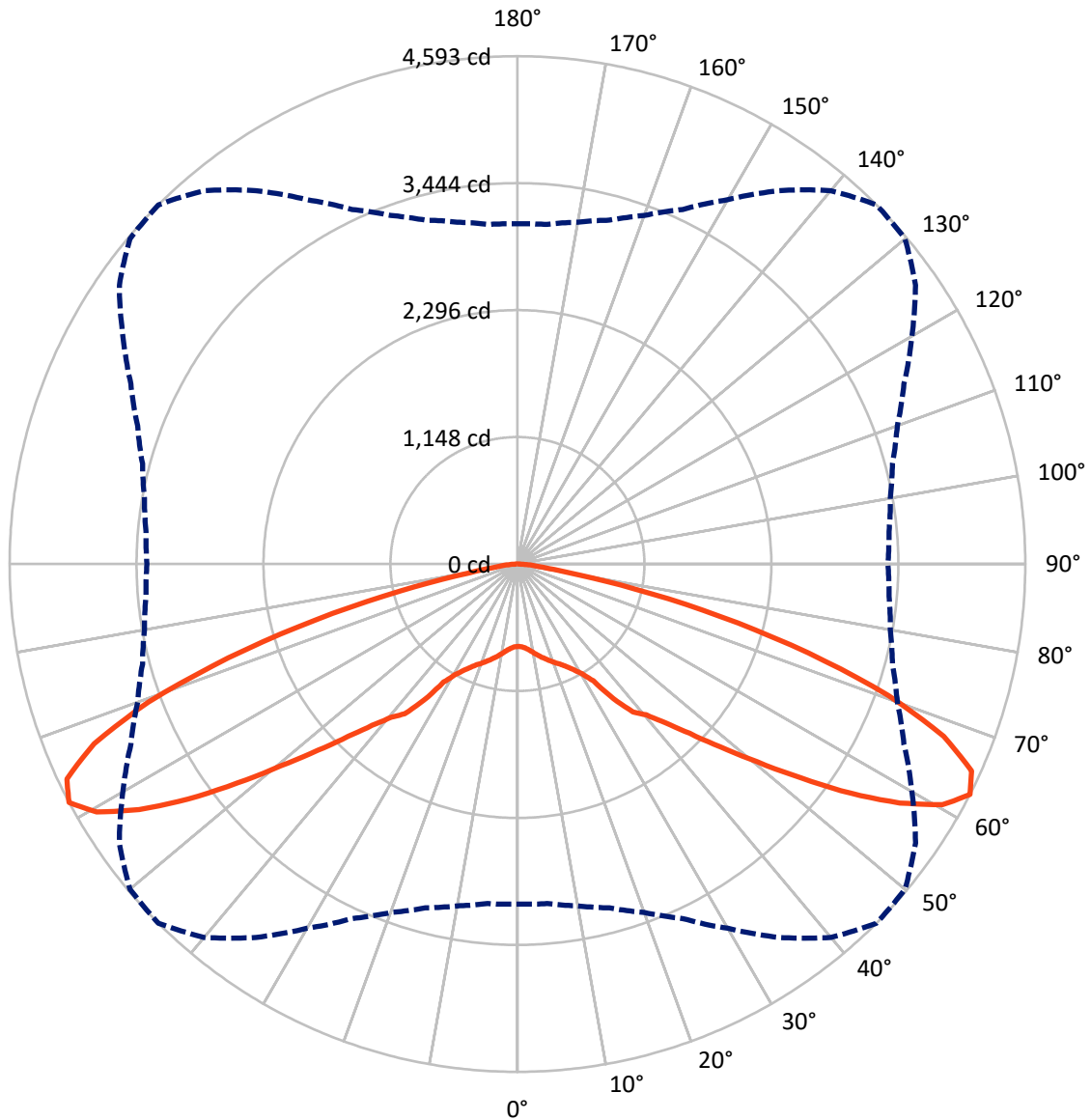
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.1 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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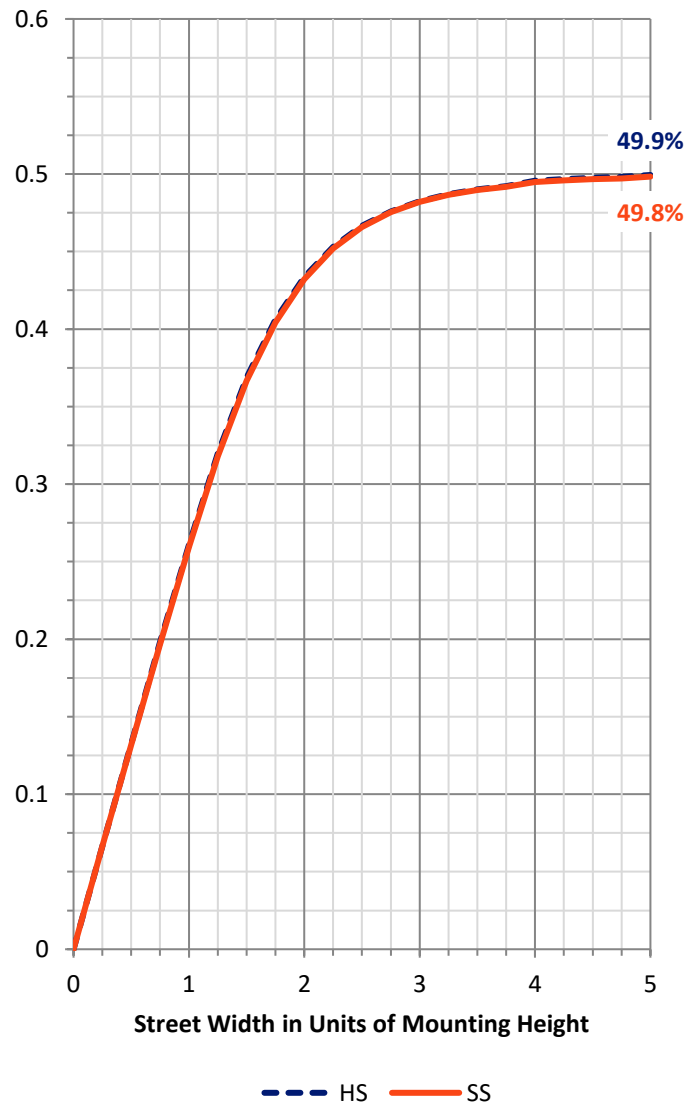
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5615.3	0.0	5615.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5615.3	0.0	5615.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11230.6	0.0	11230.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.7	0.7
10°-20°	252.5	2.2
20°-30°	488.3	4.3
30°-40°	945.4	8.4
40°-50°	1707.1	15.2
50°-60°	2968.3	26.4
60°-70°	3369.8	30.0
70°-80°	1306.5	11.6
80°-90°	117.9	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°	11230.6	100.0
0°-180°	11230.6	100.0

**Coefficient of Utilization**



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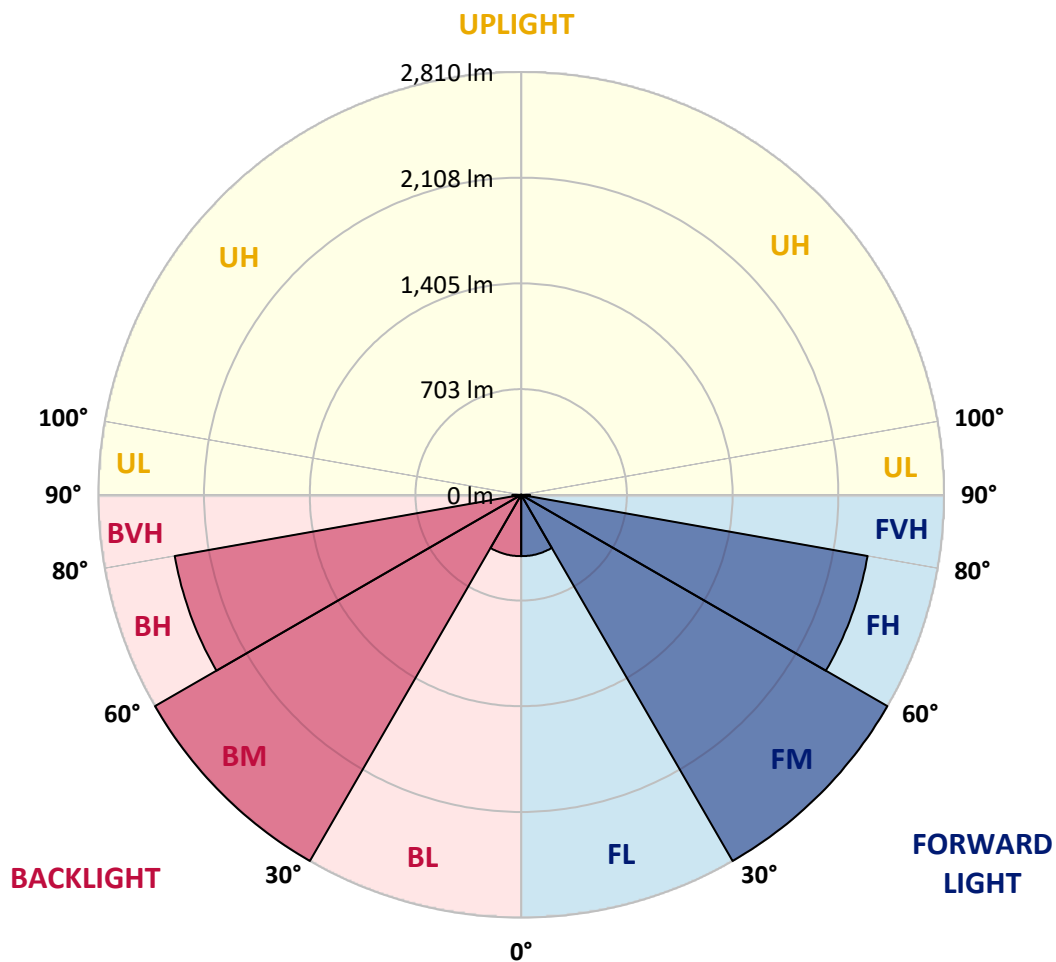
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	407.8	3.6			
FM	(30°-60°)	2810.4	25.0			
FH	(60°-80°)	2338.2	20.8			G2/5000
FVH	(80°-90°)	58.9	0.5			G1/100
BL	(0°-30°)	407.8	3.6	B1/500		
BM	(30°-60°)	2810.4	25.0	B3/5000		
BH	(60°-80°)	2338.2	20.8	B3/2500		G2/5000
BVH	(80°-90°)	58.9	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	745.5	745.5	745.5	745.5	745.5	745.5	745.5	745.5	745.5	745.5	745.5
2.5°	750.1	752.5	751.9	750.7	750.7	750.7	750.2	748.4	747.8	749.0	750.2
5°	767.6	767.6	767.6	767.6	766.4	766.4	765.2	764.1	764.7	763.5	762.9
7.5°	794.3	792.5	792.5	791.9	791.9	790.8	789.0	786.7	787.4	786.7	786.1
10°	825.6	826.1	824.5	826.2	823.2	822.8	820.4	819.3	818.7	817.0	816.9
12.5°	863.4	861.7	861.6	860.5	859.3	858.1	854.7	854.1	851.8	850.6	848.9
15°	898.9	898.2	895.9	893.6	893.0	891.8	887.8	885.4	884.8	882.0	879.6
17.5°	934.2	933.1	930.2	928.9	926.6	925.0	921.5	917.9	916.2	915.0	912.1
20°	972.0	970.8	967.9	965.6	962.7	960.4	955.1	952.1	950.5	948.8	946.3
22.5°	1019.1	1016.7	1012.0	1008.0	1001.6	999.3	992.3	988.2	985.3	983.0	981.8
25°	1070.1	1070.7	1064.2	1059.1	1051.5	1045.2	1036.5	1031.7	1028.8	1026.5	1025.9
27.5°	1133.9	1134.5	1128.7	1121.2	1109.6	1102.6	1091.0	1085.2	1083.4	1081.0	1080.5
30°	1235.0	1229.6	1219.9	1207.7	1197.3	1182.2	1165.3	1159.5	1153.7	1151.9	1151.9
32.5°	1420.7	1417.8	1409.7	1379.5	1365.6	1334.3	1304.7	1287.8	1268.6	1259.3	1253.5
35°	1550.9	1549.6	1543.2	1532.8	1524.1	1517.7	1500.3	1497.4	1493.9	1493.9	1498.7
37.5°	1646.5	1639.6	1638.4	1640.2	1637.9	1639.1	1653.1	1672.1	1688.5	1696.6	1695.4
40°	1788.3	1778.4	1784.2	1780.1	1774.9	1773.8	1778.4	1785.9	1793.5	1793.6	1791.7
42.5°	1973.5	1978.1	1980.5	1963.6	1952.5	1949.6	1960.7	1958.3	1966.0	1963.1	1955.4
45°	2248.7	2245.8	2241.8	2221.5	2203.9	2190.1	2193.0	2188.9	2189.4	2184.9	2179.1
47.5°	2526.3	2536.2	2519.3	2509.4	2489.7	2479.8	2487.9	2481.0	2494.3	2469.9	2458.2
50°	2795.6	2802.6	2796.8	2782.8	2782.8	2796.8	2806.6	2819.5	2838.0	2810.2	2768.3
52.5°	3016.4	3022.1	3030.8	3042.5	3070.9	3100.5	3142.3	3186.9	3222.4	3217.2	3169.5
55°	3151.0	3157.9	3172.4	3212.5	3263.6	3341.3	3436.1	3540.0	3621.3	3660.7	3625.9
57.5°	3196.3	3201.5	3240.9	3289.1	3368.7	3484.2	3642.7	3822.2	3978.3	4077.7	4062.0
60°	3185.8	3185.8	3225.9	3292.0	3403.5	3556.9	3780.9	4029.4	4268.6	4417.3	4395.2
62.5°	3076.1	3081.9	3139.4	3218.9	3353.6	3537.0	3804.1	4121.8	4408.0	4592.6	4574.7
65°	2835.6	2839.8	2902.0	2996.5	3146.9	3364.0	3656.2	4008.0	4336.0	4513.7	4480.0
67.5°	2447.3	2451.4	2501.9	2608.7	2767.8	2994.8	3310.1	3697.3	4018.4	4159.0	4057.8
70°	1946.7	1958.3	1990.9	2104.1	2224.9	2447.3	2737.6	3124.9	3428.0	3560.8	3449.4
72.5°	1326.6	1356.3	1395.9	1496.2	1611.8	1796.5	2027.5	2353.8	2597.1	2750.9	2651.6
75°	747.3	789.0	801.2	877.3	972.4	1118.3	1287.3	1521.2	1766.8	1891.6	1772.0
77.5°	322.8	357.1	372.2	407.7	482.0	542.9	645.6	803.5	993.4	1081.0	937.7
80°	159.2	167.3	173.6	184.7	205.6	225.3	274.0	343.2	420.9	440.7	350.7
82.5°	123.1	128.9	139.9	148.6	153.9	159.2	163.7	173.1	180.5	184.7	174.2
85°	86.5	94.1	106.2	116.1	121.9	126.0	130.1	133.0	126.0	115.0	120.7
87.5°	22.6	29.6	41.2	44.7	50.6	53.5	52.2	54.0	48.8	35.4	39.5
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°	745.5	745.5	745.5	745.5	745.5	745.5	745.5	745.5
2.5°	749.5	749.0	749.6	749.5	749.6	749.0	749.0	749.0
5°	762.9	762.9	763.5	762.4	762.3	762.9	762.3	761.8
7.5°	785.5	785.0	785.0	784.4	785.0	784.4	784.5	783.8
10°	815.8	814.6	815.1	813.5	813.5	812.8	812.8	812.8
12.5°	848.3	846.5	847.0	845.4	842.5	843.0	843.6	843.0
15°	879.6	877.9	876.2	875.0	873.3	873.8	873.8	873.3
17.5°	911.6	908.1	907.5	905.7	905.2	905.2	905.2	905.8
20°	944.7	942.4	941.8	940.0	939.5	941.1	941.8	940.6
22.5°	980.1	978.9	980.1	978.9	980.7	981.8	982.4	981.2
25°	1024.9	1023.6	1025.3	1029.4	1031.7	1033.0	1035.9	1034.6
27.5°	1082.3	1081.0	1085.2	1091.0	1094.5	1100.3	1103.2	1104.4
30°	1156.6	1161.9	1164.1	1175.8	1178.0	1187.4	1187.4	1191.4
32.5°	1264.6	1274.4	1291.8	1309.8	1334.8	1352.8	1352.7	1362.1
35°	1501.5	1505.5	1519.0	1521.9	1527.0	1532.8	1527.0	1531.6
37.5°	1683.1	1665.2	1652.4	1634.4	1623.4	1623.4	1624.5	1623.4
40°	1776.2	1769.1	1763.3	1748.2	1745.9	1745.3	1745.3	1747.7
42.5°	1942.2	1925.3	1916.1	1903.2	1899.2	1898.0	1897.4	1898.7
45°	2158.1	2130.9	2105.9	2093.1	2082.1	2071.6	2075.1	2075.1
47.5°	2409.5	2367.2	2326.4	2304.5	2285.3	2276.6	2270.8	2269.0
50°	2715.4	2656.4	2604.0	2562.8	2534.9	2534.4	2537.2	2518.7
52.5°	3090.6	2997.1	2932.0	2876.4	2850.3	2847.4	2838.0	2827.6
55°	3506.3	3395.4	3288.1	3228.2	3193.9	3175.3	3164.4	3146.9
57.5°	3934.8	3785.6	3631.1	3535.3	3475.0	3433.2	3411.1	3401.2
60°	4265.2	4061.3	3857.6	3703.7	3603.3	3541.1	3502.8	3487.2
62.5°	4395.2	4119.0	3857.6	3655.5	3510.4	3424.5	3372.7	3350.2
65°	4240.2	3912.7	3615.5	3392.5	3230.5	3134.7	3078.3	3054.0
67.5°	3807.0	3517.9	3194.6	2972.7	2806.1	2711.5	2650.6	2632.5
70°	3191.6	2896.1	2587.2	2389.2	2240.6	2163.3	2100.1	2092.5
72.5°	2398.5	2143.6	1878.9	1715.1	1595.4	1467.8	1435.3	1451.5
75°	1537.4	1298.9	1063.1	915.6	806.4	684.6	637.5	649.1
77.5°	728.1	563.7	407.0	314.7	264.2	225.9	216.0	210.2
80°	270.1	218.9	193.4	183.4	176.6	170.2	165.5	160.2
82.5°	174.7	170.7	165.5	163.7	158.5	150.4	135.3	128.9
85°	130.7	130.7	123.7	124.2	120.2	109.7	95.8	88.3
87.5°	38.3	34.2	31.3	29.0	28.4	25.5	18.5	16.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)