

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: P147181

Luminaire Tested: **VXS-E03-LED-E1-5MQ-7050**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P147181
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-E03-LED-E1-5MQ-7050
Description: VISION SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (63) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9923.8 lumens
Efficiency: N/A
Efficacy: 132.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B3 - U0 - G2

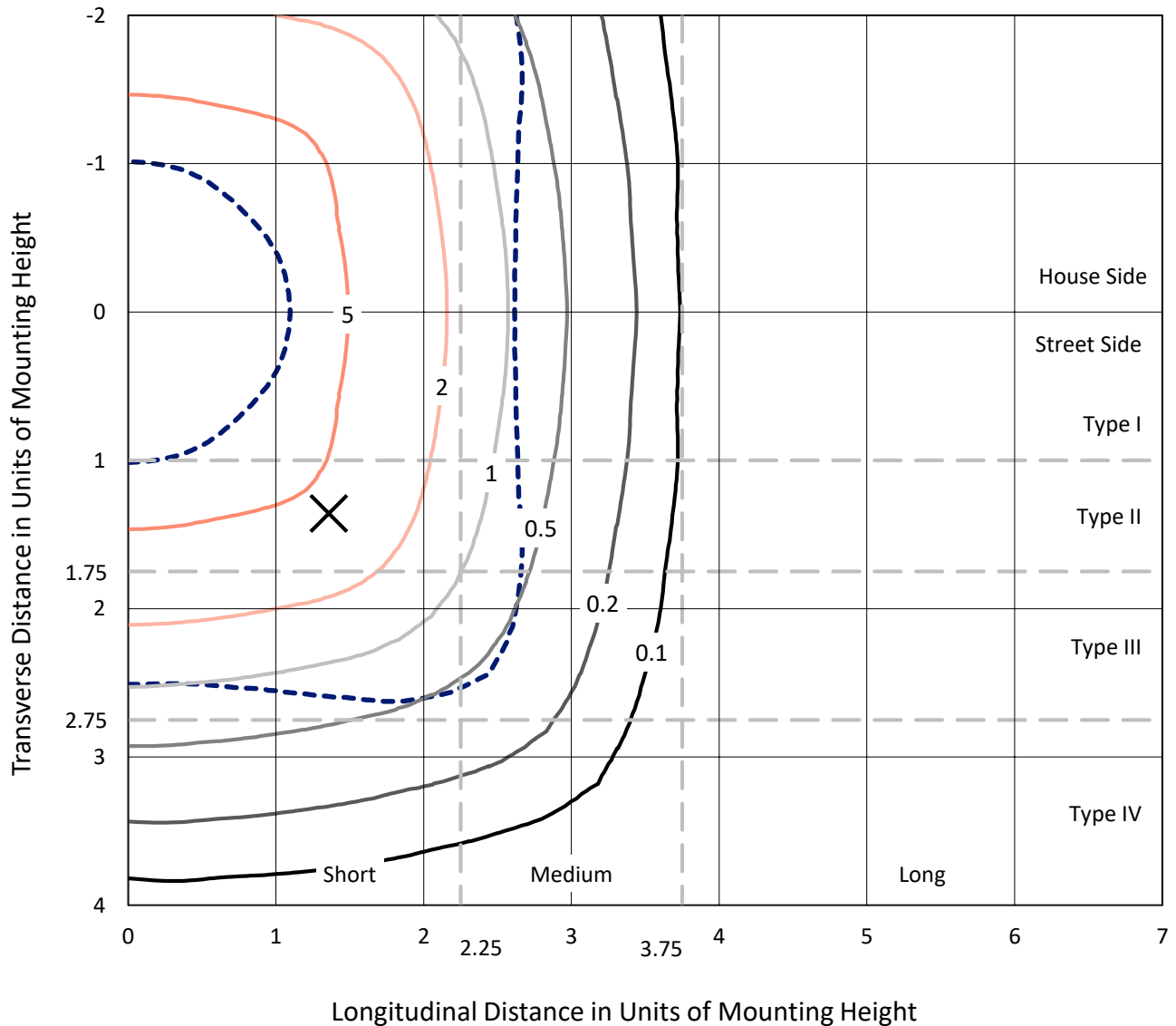
Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

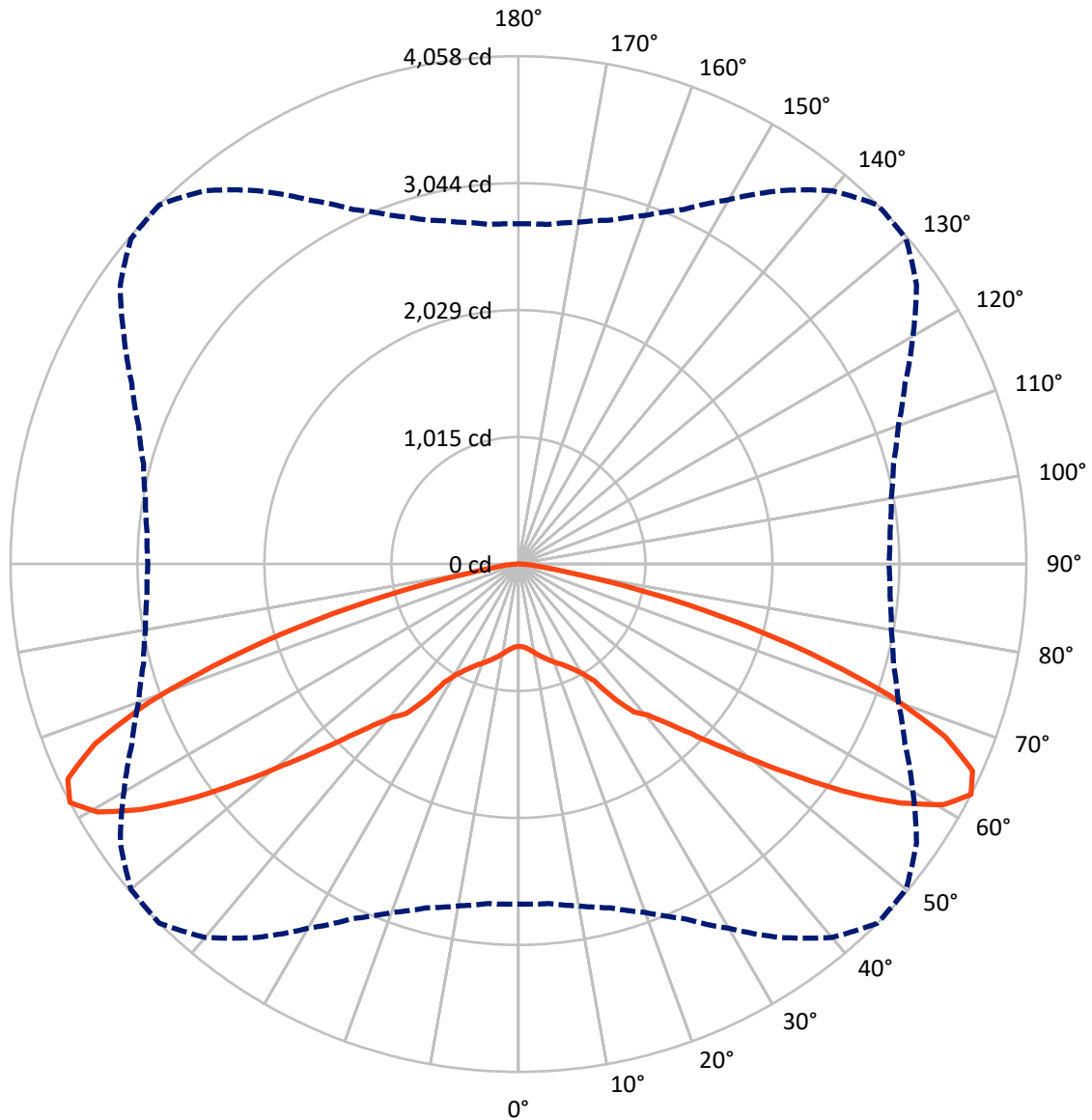
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.5 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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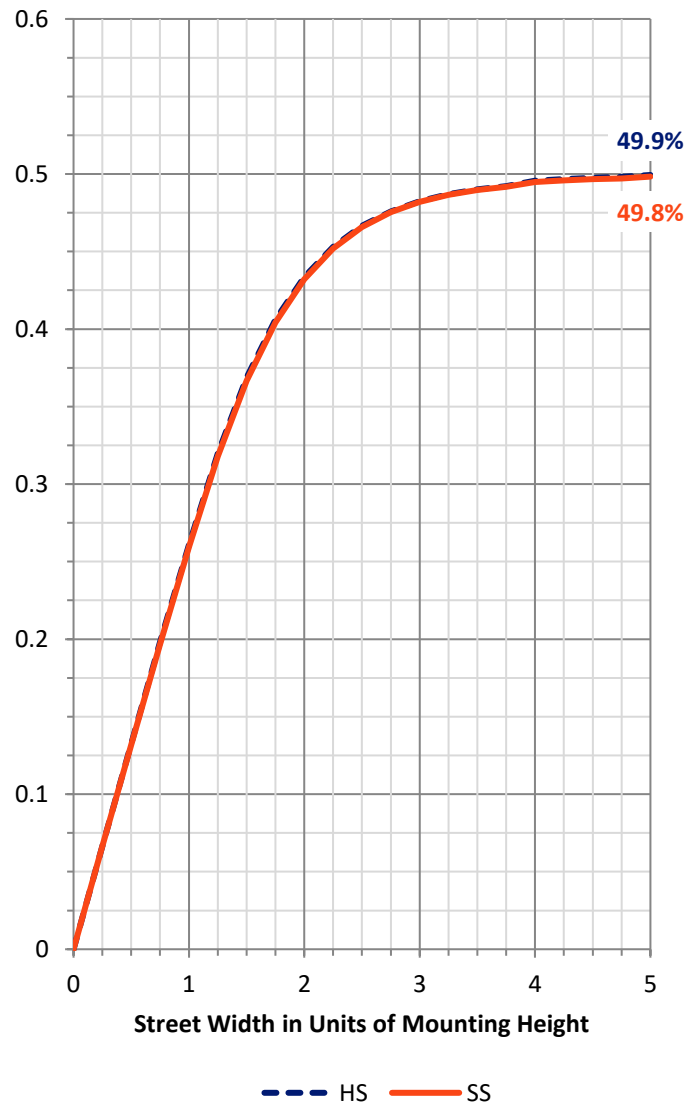
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4961.9	0.0	4961.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4961.9	0.0	4961.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	9923.8	0.0	9923.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.0	0.7
10°-20°	223.2	2.2
20°-30°	431.5	4.3
30°-40°	835.4	8.4
40°-50°	1508.4	15.2
50°-60°	2623.0	26.4
60°-70°	2977.7	30.0
70°-80°	1154.4	11.6
80°-90°	104.2	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°	9923.8	100.0
0°-180°	9923.8	100.0



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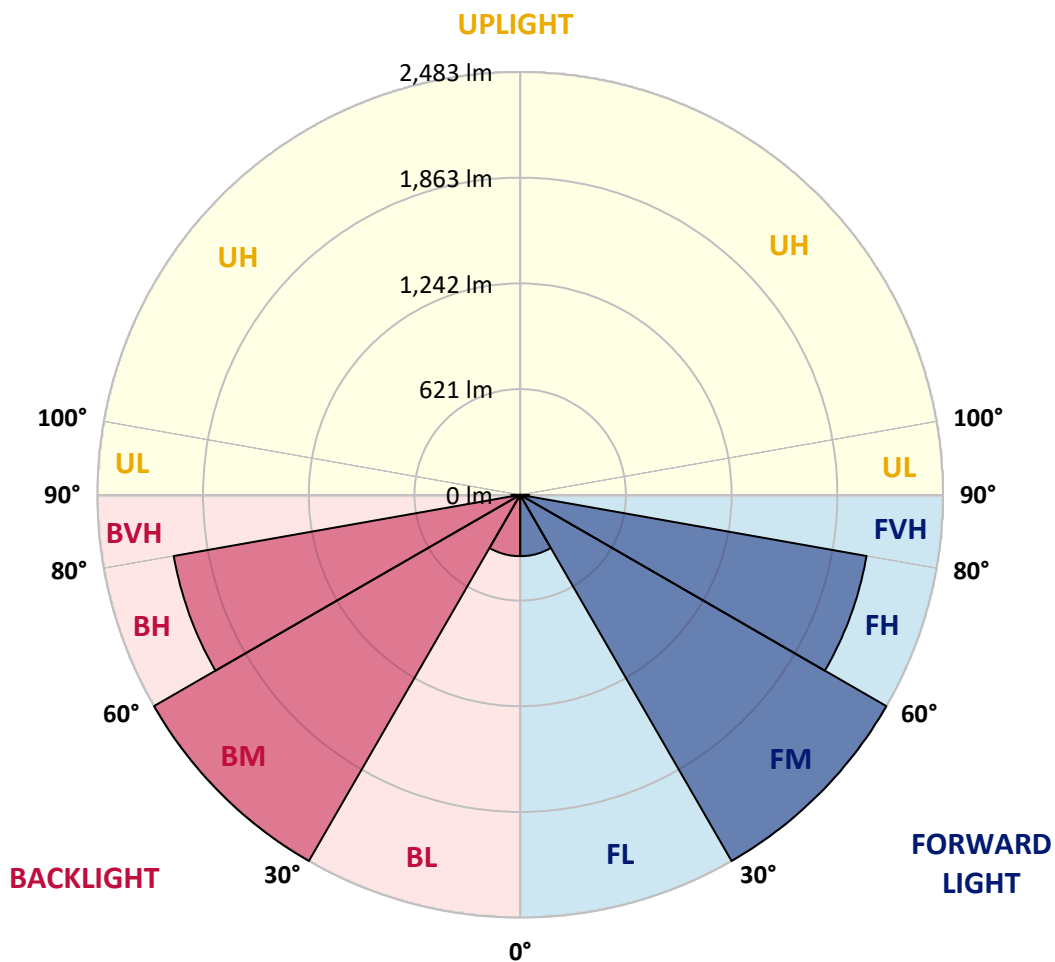
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	360.3	3.6			
FM	(30°-60°)	2483.4	25.0			
FH	(60°-80°)	2066.1	20.8			G2/5000
FVH	(80°-90°)	52.1	0.5			G1/100
BL	(0°-30°)	360.3	3.6	B1/500		
BM	(30°-60°)	2483.4	25.0	B2/2500		
BH	(60°-80°)	2066.1	20.8	B3/2500		G2/5000
BVH	(80°-90°)	52.1	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°	658.8	658.8	658.8	658.8	658.8	658.8	658.8	658.8	658.8	658.8	658.8
2.5°	662.8	664.9	664.5	663.4	663.4	663.4	662.9	661.3	660.7	661.8	662.8
5°	678.2	678.2	678.2	678.2	677.3	677.3	676.3	675.2	675.6	674.6	674.2
7.5°	701.9	700.3	700.3	699.8	699.8	698.8	697.2	695.2	695.8	695.1	694.7
10°	729.5	730.1	728.5	730.1	727.5	727.0	725.0	723.9	723.4	721.9	721.9
12.5°	762.9	761.3	761.3	760.4	759.4	758.3	755.2	754.6	752.6	751.6	750.1
15°	794.2	793.7	791.6	789.6	789.0	788.0	784.5	782.4	782.0	779.3	777.2
17.5°	825.5	824.5	822.0	820.9	818.9	817.3	814.2	811.2	809.5	808.6	806.0
20°	858.9	857.8	855.3	853.3	850.6	848.6	843.9	841.3	839.9	838.3	836.3
22.5°	900.4	898.4	894.3	890.7	885.0	882.9	876.8	873.2	870.7	868.6	867.6
25°	945.6	946.1	940.4	935.8	929.1	923.5	915.9	911.7	909.1	907.0	906.5
27.5°	1002.0	1002.5	997.3	990.7	980.4	974.3	964.0	959.0	957.3	955.3	954.8
30°	1091.2	1086.6	1077.9	1067.2	1057.9	1044.6	1029.6	1024.6	1019.5	1017.8	1017.8
32.5°	1255.4	1252.8	1245.7	1219.1	1206.7	1179.1	1152.7	1137.9	1121.0	1112.7	1107.7
35°	1370.4	1369.3	1363.7	1354.4	1346.7	1341.1	1325.7	1323.1	1320.1	1320.0	1324.1
37.5°	1455.0	1448.9	1447.9	1449.3	1447.4	1448.3	1460.6	1477.6	1492.0	1499.2	1498.0
40°	1580.2	1571.4	1576.6	1573.1	1568.4	1567.4	1571.5	1578.1	1584.9	1584.9	1583.2
42.5°	1743.8	1748.0	1750.1	1735.1	1725.4	1722.9	1732.6	1730.6	1737.2	1734.7	1728.0
45°	1987.0	1984.5	1980.9	1962.9	1947.6	1935.2	1937.8	1934.2	1934.7	1930.6	1925.5
47.5°	2232.3	2241.0	2226.1	2217.4	2200.0	2191.3	2198.4	2192.3	2204.0	2182.6	2172.2
50°	2470.4	2476.5	2471.4	2459.1	2459.1	2471.3	2480.1	2491.4	2507.8	2483.2	2446.2
52.5°	2665.3	2670.5	2678.1	2688.4	2713.6	2739.7	2776.6	2816.2	2847.5	2842.9	2800.8
55°	2784.4	2790.6	2803.3	2838.8	2883.9	2952.5	3036.3	3128.1	3200.0	3234.8	3204.0
57.5°	2824.4	2829.0	2863.8	2906.5	2976.8	3078.9	3218.9	3377.4	3515.4	3603.1	3589.3
60°	2815.1	2815.1	2850.6	2909.0	3007.5	3143.0	3341.0	3560.6	3772.0	3903.2	3883.7
62.5°	2718.1	2723.3	2774.1	2844.4	2963.3	3125.5	3361.6	3642.2	3895.1	4058.2	4042.3
65°	2505.7	2509.4	2564.2	2647.9	2780.7	2972.6	3230.7	3541.6	3831.5	3988.5	3958.8
67.5°	2162.5	2166.1	2210.8	2305.1	2445.7	2646.4	2925.0	3267.2	3550.9	3675.0	3585.7
70°	1720.2	1730.6	1759.3	1859.3	1966.0	2162.5	2419.1	2761.2	3029.0	3146.5	3048.1
72.5°	1172.3	1198.5	1233.4	1322.2	1424.2	1587.4	1791.5	2080.0	2294.9	2430.9	2343.1
75°	660.3	697.2	708.0	775.2	859.4	988.2	1137.4	1344.2	1561.2	1671.5	1565.8
77.5°	285.2	315.5	328.8	360.1	425.9	479.7	570.6	710.1	877.8	955.3	828.6
80°	140.6	147.8	153.4	163.1	181.7	199.1	242.2	303.2	372.0	389.4	309.8
82.5°	108.8	113.9	123.6	131.4	136.0	140.5	144.7	153.0	159.6	163.1	154.0
85°	76.5	83.1	93.9	102.6	107.8	111.3	114.9	117.5	111.3	101.6	106.7
87.5°	20.0	26.1	36.5	39.5	44.7	47.3	46.2	47.7	43.1	31.3	34.9
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°	658.8	658.8	658.8	658.8	658.8	658.8	658.8	658.8
2.5°	662.4	661.9	662.4	662.4	662.4	661.9	661.9	661.9
5°	674.2	674.2	674.6	673.6	673.7	674.2	673.6	673.2
7.5°	694.1	693.7	693.7	693.1	693.7	693.2	693.1	692.6
10°	720.8	719.8	720.3	718.8	718.8	718.2	718.3	718.2
12.5°	749.6	748.0	748.6	746.9	744.4	745.0	745.4	745.0
15°	777.3	775.8	774.2	773.2	771.6	772.1	772.2	771.6
17.5°	805.5	802.5	801.9	800.3	799.8	799.8	799.8	800.3
20°	834.7	832.7	832.1	830.7	830.2	831.7	832.1	831.2
22.5°	866.0	865.1	866.0	865.0	866.5	867.6	868.1	867.0
25°	905.5	904.6	906.1	909.6	911.7	912.7	915.2	914.3
27.5°	956.4	955.2	958.9	964.0	967.0	972.2	974.8	975.9
30°	1022.0	1026.6	1028.6	1039.0	1041.0	1049.1	1049.1	1052.7
32.5°	1117.4	1126.1	1141.6	1157.4	1179.5	1195.4	1195.4	1203.6
35°	1326.7	1330.4	1342.2	1344.7	1349.3	1354.5	1349.3	1353.5
37.5°	1487.4	1471.4	1460.2	1444.2	1434.5	1434.5	1435.4	1434.5
40°	1569.4	1563.3	1558.1	1544.9	1542.8	1542.2	1542.2	1544.2
42.5°	1716.2	1701.2	1693.1	1681.8	1678.1	1677.2	1676.7	1677.7
45°	1906.9	1882.9	1860.8	1849.5	1839.8	1830.6	1833.6	1833.7
47.5°	2129.1	2091.7	2055.8	2036.3	2019.4	2011.6	2006.6	2005.0
50°	2399.6	2347.2	2301.0	2264.7	2240.0	2239.5	2242.1	2225.6
52.5°	2731.0	2648.4	2590.9	2541.7	2518.5	2516.1	2507.8	2498.5
55°	3098.3	3000.4	2905.5	2852.6	2822.3	2805.9	2796.2	2780.7
57.5°	3477.0	3345.1	3208.6	3123.9	3070.6	3033.7	3014.1	3005.5
60°	3768.9	3588.8	3408.7	3272.7	3184.0	3129.1	3095.2	3081.3
62.5°	3883.8	3639.6	3408.7	3230.2	3102.0	3026.0	2980.3	2960.3
65°	3746.8	3457.4	3194.8	2997.7	2854.6	2769.9	2720.2	2698.7
67.5°	3364.1	3108.6	2822.8	2626.8	2479.6	2395.9	2342.1	2326.2
70°	2820.3	2559.2	2286.1	2111.2	1979.9	1911.6	1855.8	1849.0
72.5°	2119.4	1894.2	1660.2	1515.5	1409.8	1297.0	1268.3	1282.6
75°	1358.5	1147.7	939.5	809.1	712.5	604.9	563.4	573.6
77.5°	643.3	498.1	359.6	278.1	233.4	199.6	190.8	185.7
80°	238.5	193.4	170.8	162.1	156.0	150.3	146.2	141.6
82.5°	154.4	150.9	146.2	144.7	140.1	132.8	119.6	113.9
85°	115.4	115.4	109.2	109.8	106.2	97.0	84.7	78.0
87.5°	33.9	30.3	27.8	25.7	25.1	22.6	16.4	14.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)