

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: P148231

Luminaire Tested: **VXS-E04-LED-E1-5XQ-7050**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P148231
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33676)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VXS-E04-LED-E1-5XQ-7050
Description: VISION SITE SMALL LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (84) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13053.6 lumens
Efficiency: N/A
Efficacy: 134.3 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U0 - G3

Input Watts (W): 97.2
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



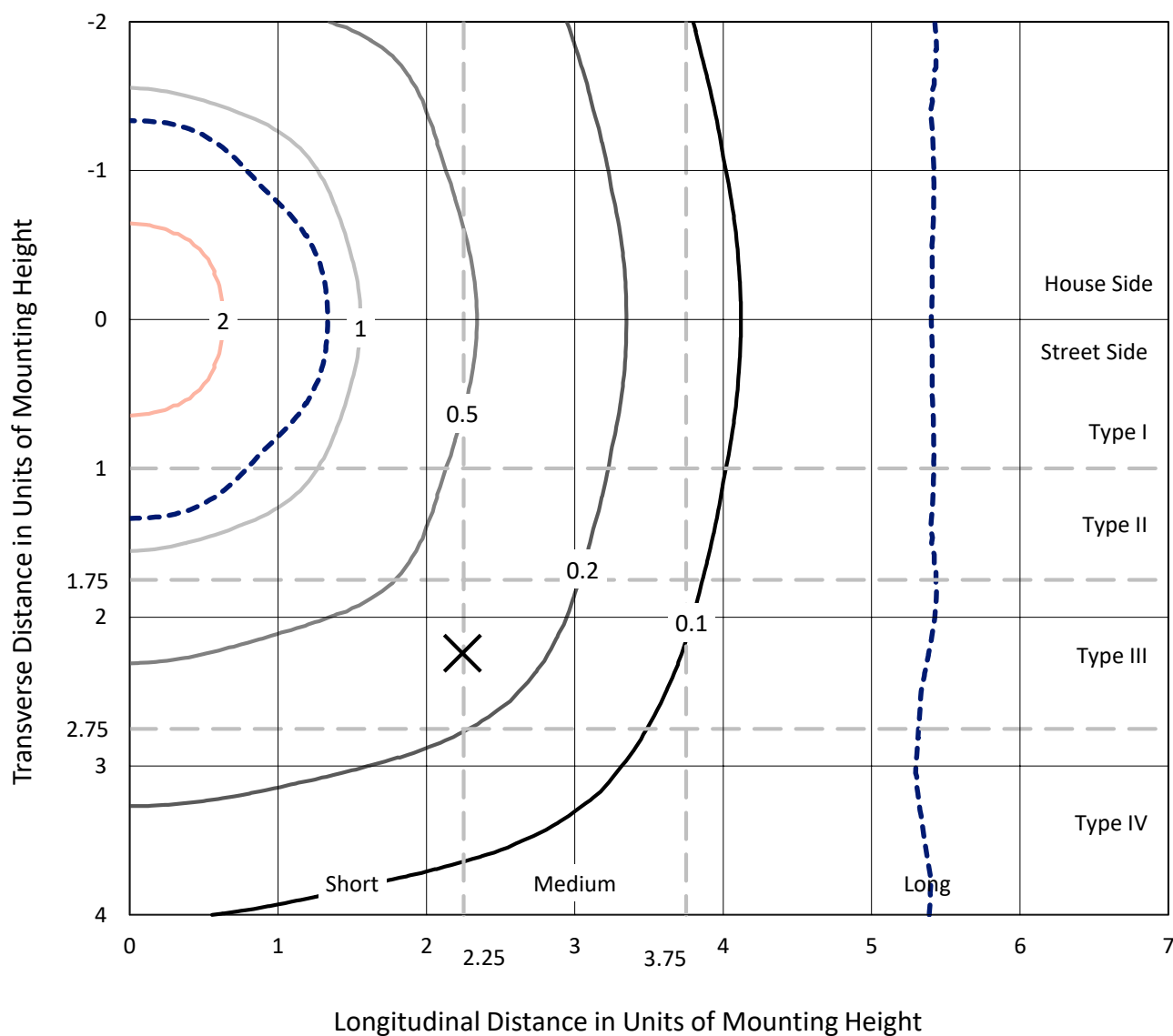
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

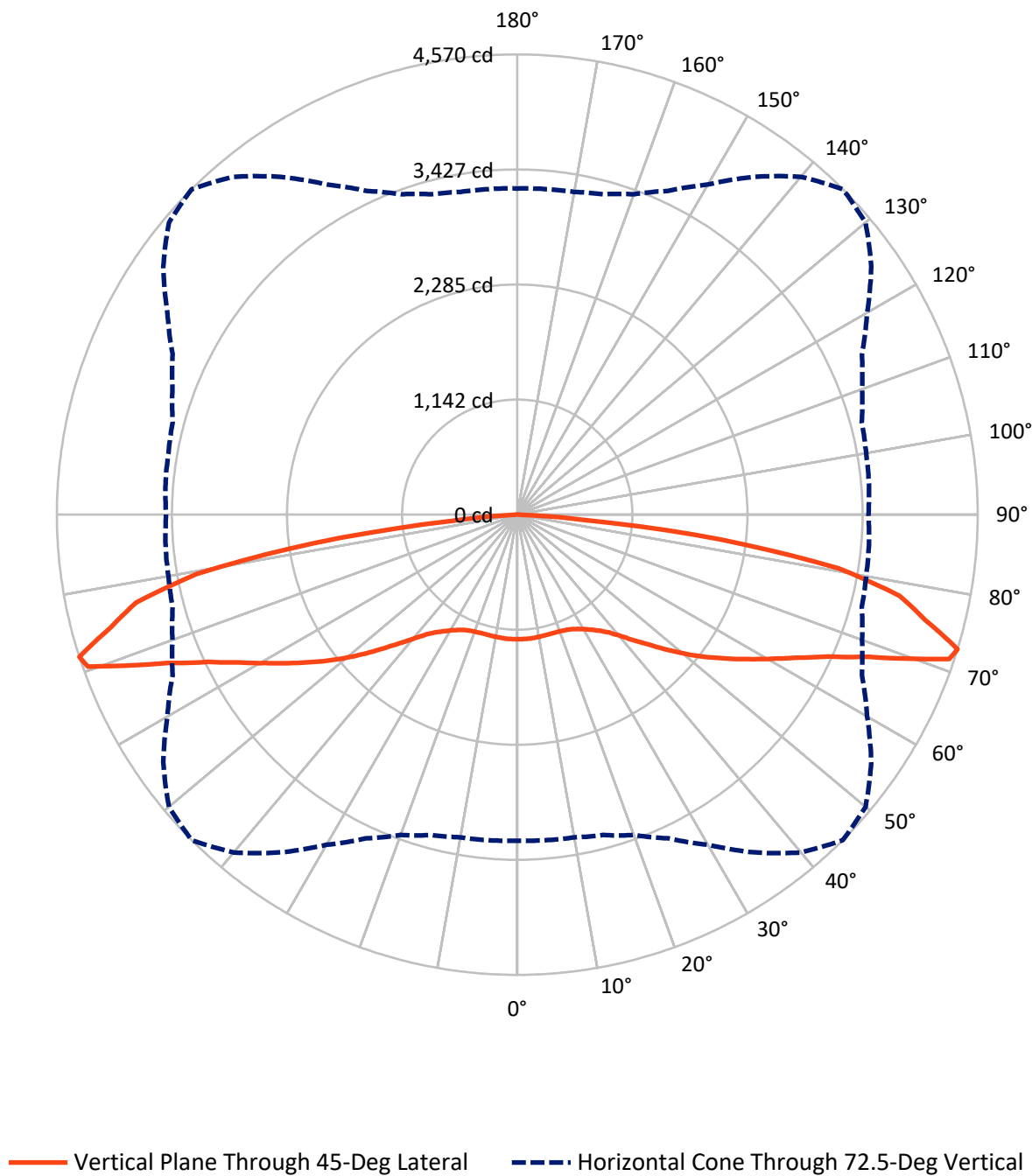


Based on 20 foot mounting height. Maximum calculated value = 3.1 fc
Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6526.8	0.0	6526.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6526.8	0.0	6526.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	13053.6	0.0	13053.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.9	0.9
10°-20°	348.7	2.7
20°-30°	583.9	4.5
30°-40°	890.1	6.8
40°-50°	1421.3	10.9
50°-60°	2185.4	16.7
60°-70°	3181.9	24.4
70°-80°	3584.4	27.5
80°-90°	739.9	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°	13053.6	100.0
0°-180°	13053.6	100.0

Coefficient of Utilization



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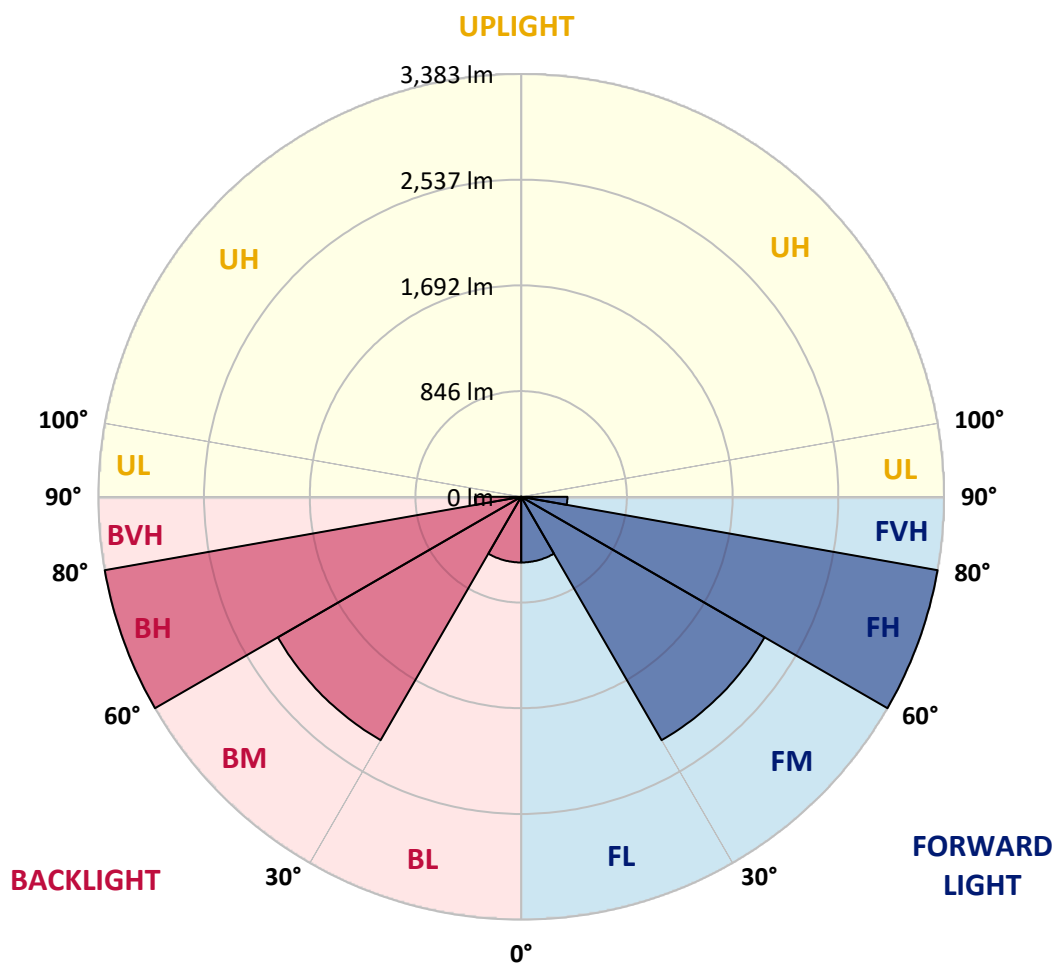
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	525.2	4.0			
FM	(30°-60°)	2248.4	17.2			
FH	(60°-80°)	3383.2	25.9			G2/5000
FVH	(80°-90°)	370.0	2.8			G3/500
BL	(0°-30°)	525.2	4.0	B2/1000		
BM	(30°-60°)	2248.4	17.2	B2/2500		
BH	(60°-80°)	3383.2	25.9	B4/5000		G2/5000
BVH	(80°-90°)	370.0	2.8			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1236.8	1236.8	1236.8	1236.8	1236.8	1236.8	1236.8	1236.8	1236.8	1236.8	1236.8
2.5°	1238.9	1239.5	1239.2	1238.5	1238.9	1238.5	1237.8	1237.5	1235.1	1236.5	1238.5
5°	1238.9	1238.1	1237.8	1237.5	1237.5	1238.5	1237.5	1236.5	1236.2	1236.8	1235.8
7.5°	1238.1	1236.8	1236.1	1235.8	1236.1	1236.5	1235.4	1234.0	1235.0	1234.0	1232.7
10°	1236.1	1235.0	1235.4	1234.1	1234.4	1234.0	1232.7	1231.7	1232.3	1231.3	1229.6
12.5°	1236.8	1235.0	1234.7	1234.1	1233.7	1233.4	1231.7	1229.9	1230.3	1229.6	1227.9
15°	1236.8	1235.8	1235.4	1234.0	1233.7	1233.1	1231.0	1230.3	1230.3	1229.2	1227.3
17.5°	1237.5	1236.8	1236.8	1235.0	1234.4	1234.1	1231.7	1230.7	1231.7	1229.6	1228.3
20°	1239.6	1238.9	1239.2	1238.1	1236.8	1236.8	1235.1	1234.4	1234.8	1234.4	1230.7
22.5°	1243.7	1243.7	1244.4	1243.9	1243.6	1243.9	1242.6	1242.7	1243.0	1242.9	1239.9
25°	1255.3	1254.9	1255.6	1255.5	1256.0	1258.3	1257.3	1257.0	1258.7	1258.7	1255.5
27.5°	1277.1	1276.5	1277.2	1277.8	1279.6	1282.7	1282.0	1283.0	1285.7	1285.0	1282.3
30°	1302.5	1301.8	1303.5	1305.5	1306.9	1311.7	1309.6	1314.8	1317.2	1319.3	1317.2
32.5°	1339.5	1339.4	1342.5	1343.8	1346.9	1351.7	1352.4	1356.5	1359.6	1363.0	1360.6
35°	1388.7	1388.0	1390.4	1392.7	1396.6	1400.9	1402.7	1408.2	1413.0	1415.3	1410.9
37.5°	1463.8	1460.1	1464.7	1465.9	1469.0	1470.1	1474.8	1481.7	1486.8	1486.1	1483.1
40°	1565.8	1565.2	1563.4	1561.5	1566.2	1567.9	1567.9	1577.1	1585.4	1584.0	1583.6
42.5°	1684.9	1681.8	1679.8	1679.7	1682.5	1683.1	1693.7	1700.6	1706.4	1707.8	1706.4
45°	1812.8	1809.7	1810.4	1809.0	1810.1	1814.5	1820.7	1833.4	1844.2	1844.6	1838.8
47.5°	1950.3	1940.7	1948.2	1937.6	1944.0	1947.6	1962.9	1981.3	2000.5	2004.0	1998.9
50°	2089.7	2088.8	2088.1	2086.1	2089.1	2096.7	2115.4	2144.6	2163.0	2175.3	2167.2
52.5°	2242.4	2237.3	2234.8	2231.5	2234.5	2249.2	2275.5	2300.9	2334.1	2348.1	2336.8
55°	2390.9	2389.1	2380.2	2379.9	2386.3	2409.3	2438.0	2469.2	2505.1	2520.8	2516.7
57.5°	2543.4	2533.5	2530.7	2526.6	2539.6	2561.1	2596.4	2652.4	2689.7	2707.6	2697.3
60°	2692.4	2685.0	2679.2	2677.7	2686.6	2716.8	2767.5	2834.8	2880.9	2904.2	2887.9
62.5°	2852.6	2847.8	2840.9	2833.1	2851.9	2890.6	2953.5	3028.0	3096.1	3124.9	3099.9
65°	3051.6	3041.8	3034.2	3024.2	3039.6	3088.2	3167.3	3272.2	3363.5	3397.1	3379.3
67.5°	3261.7	3252.4	3253.1	3246.9	3274.3	3341.8	3443.6	3586.2	3708.7	3765.8	3732.2
70°	3445.0	3450.1	3451.4	3476.5	3523.6	3626.2	3795.9	4019.3	4205.0	4292.2	4256.3
71°	3390.9	3402.3	3419.7	3445.7	3527.0	3648.5	3880.0	4150.7	4372.2	4520.0	4470.4
72.5°	3237.7	3244.6	3253.5	3293.1	3385.1	3545.9	3784.2	4093.5	4378.4	4569.5	4512.1
75°	3016.1	3022.6	3025.7	3053.4	3137.2	3277.4	3495.5	3769.9	4021.3	4184.1	4168.1
77.5°	2681.6	2682.6	2706.5	2749.2	2843.3	3003.7	3233.6	3518.1	3754.5	3881.0	3800.6
80°	1925.6	1912.6	1937.3	1992.3	2108.7	2292.6	2528.0	2852.8	3115.2	3233.6	3109.1
82.5°	732.6	772.3	834.9	925.9	965.2	1169.7	1389.3	1580.2	1801.1	2048.1	1986.2
85°	78.7	88.6	111.1	137.8	174.1	240.7	332.8	454.2	559.9	658.0	584.2
87.5°	29.4	30.1	33.6	38.7	39.4	41.0	43.7	51.0	47.6	41.0	33.2
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°	1236.8	1236.8	1236.8	1236.8	1236.8	1236.8	1236.8	1236.8
2.5°	1236.8	1237.1	1236.8	1237.1	1237.2	1235.8	1236.2	1235.4
5°	1236.5	1235.4	1235.8	1236.1	1235.8	1236.5	1235.4	1236.1
7.5°	1234.7	1232.7	1233.4	1233.4	1232.7	1233.7	1233.1	1232.7
10°	1231.3	1228.6	1229.9	1229.2	1228.9	1229.3	1229.2	1229.2
12.5°	1228.2	1226.5	1226.8	1226.5	1226.2	1227.3	1226.8	1227.3
15°	1227.6	1224.9	1224.5	1223.8	1224.1	1224.9	1224.9	1225.8
17.5°	1226.8	1223.4	1223.1	1222.5	1222.8	1224.1	1224.5	1223.8
20°	1228.9	1226.2	1225.5	1224.9	1224.5	1226.1	1225.9	1225.8
22.5°	1238.5	1235.1	1234.7	1232.0	1231.0	1232.0	1231.3	1231.3
25°	1253.9	1249.8	1248.5	1244.7	1241.9	1241.9	1240.9	1240.2
27.5°	1281.7	1275.4	1274.1	1271.0	1267.3	1268.0	1265.9	1265.5
30°	1313.8	1308.3	1303.5	1299.1	1294.6	1292.8	1290.5	1290.2
32.5°	1355.9	1349.6	1343.8	1338.4	1332.2	1329.8	1325.7	1323.7
35°	1407.5	1399.3	1392.4	1388.6	1382.5	1379.4	1376.7	1379.7
37.5°	1479.7	1469.7	1466.3	1461.9	1457.7	1453.0	1454.0	1453.0
40°	1579.5	1570.7	1567.3	1559.4	1558.3	1552.8	1556.3	1552.8
42.5°	1703.0	1686.6	1684.1	1678.0	1676.0	1672.8	1674.3	1671.9
45°	1837.4	1822.7	1819.9	1810.1	1810.4	1803.2	1805.9	1806.0
47.5°	1988.6	1973.3	1960.5	1953.4	1950.7	1946.1	1948.6	1948.2
50°	2144.6	2123.7	2109.6	2095.6	2089.5	2091.2	2086.4	2094.6
52.5°	2312.1	2281.0	2261.1	2247.9	2236.3	2238.7	2239.3	2241.7
55°	2485.6	2445.9	2417.2	2399.7	2389.1	2389.8	2392.8	2395.6
57.5°	2660.0	2610.4	2571.4	2545.4	2538.5	2541.7	2541.7	2541.3
60°	2840.9	2781.5	2731.2	2701.8	2695.5	2693.9	2707.2	2702.7
62.5°	3035.2	2963.7	2911.7	2874.2	2865.2	2871.4	2883.3	2880.6
65°	3292.7	3193.9	3126.9	3089.6	3074.5	3080.7	3096.8	3096.2
67.5°	3624.9	3486.7	3398.1	3350.3	3339.3	3346.8	3355.8	3364.4
70°	4121.5	3924.1	3797.6	3694.0	3649.5	3641.0	3649.8	3650.2
71°	4296.3	4069.5	3868.1	3741.6	3668.6	3637.9	3640.3	3624.9
72.5°	4289.1	4009.6	3774.0	3641.7	3540.4	3515.8	3503.8	3485.4
75°	4000.1	3748.4	3543.8	3399.5	3302.0	3273.0	3251.7	3250.8
77.5°	3627.6	3441.9	3216.5	3063.6	2944.9	2896.7	2875.1	2874.4
80°	2916.2	2638.1	2473.3	2381.2	2237.9	2196.6	2152.7	2136.4
82.5°	1763.5	1378.0	1120.5	995.6	926.6	763.1	684.8	647.9
85°	410.8	291.8	201.1	132.0	95.1	75.6	58.1	51.3
87.5°	27.7	21.9	19.5	15.8	12.0	11.6	7.2	6.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)