

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: P671320

Luminaire Tested: **CCP-SA-2C-840-U-SL2**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671320
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-840-U-SL2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ SL2
distribution lens
Light Source: (32) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7629.3 lumens
Efficiency: N/A
Efficacy: 122.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

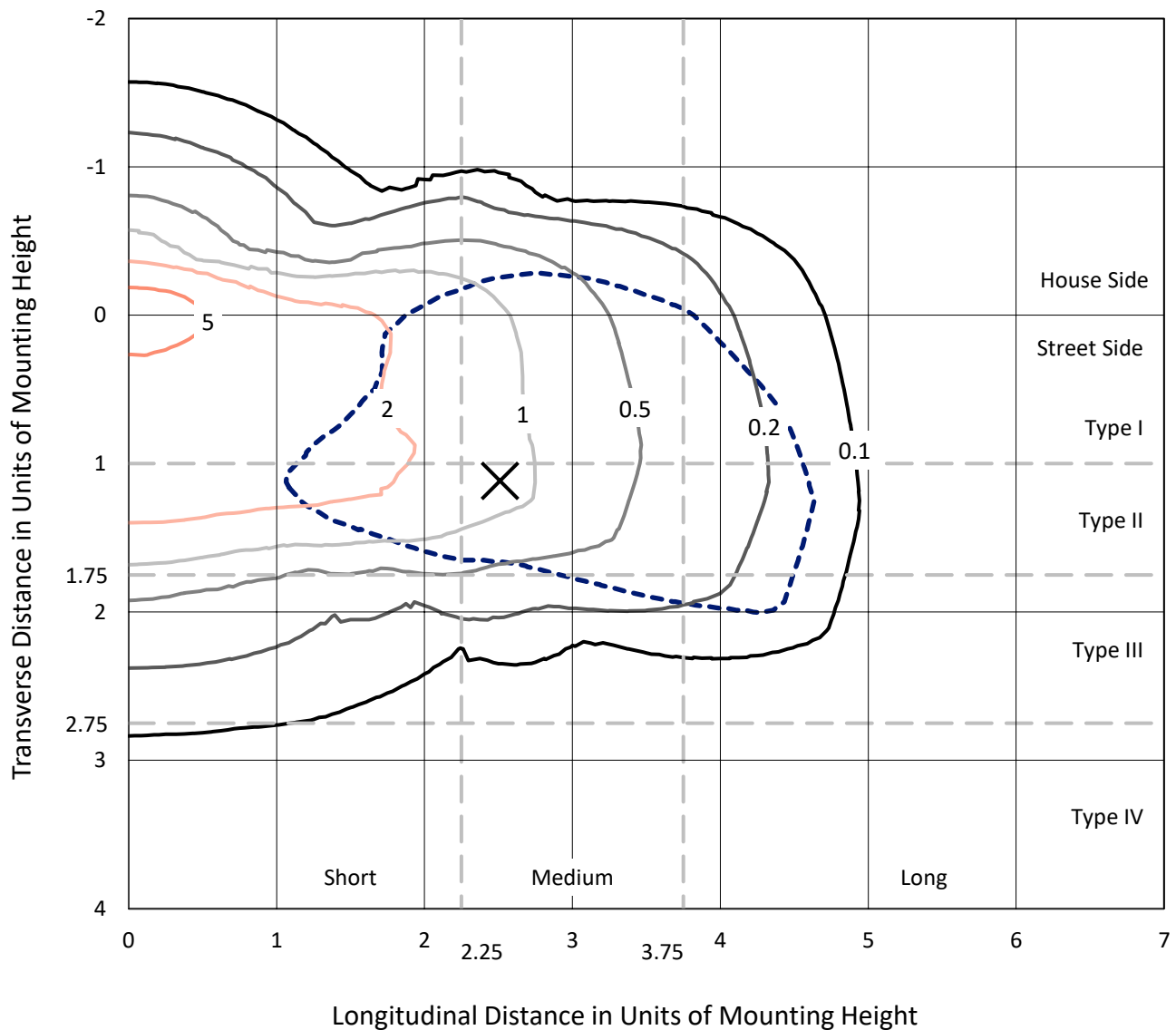
Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

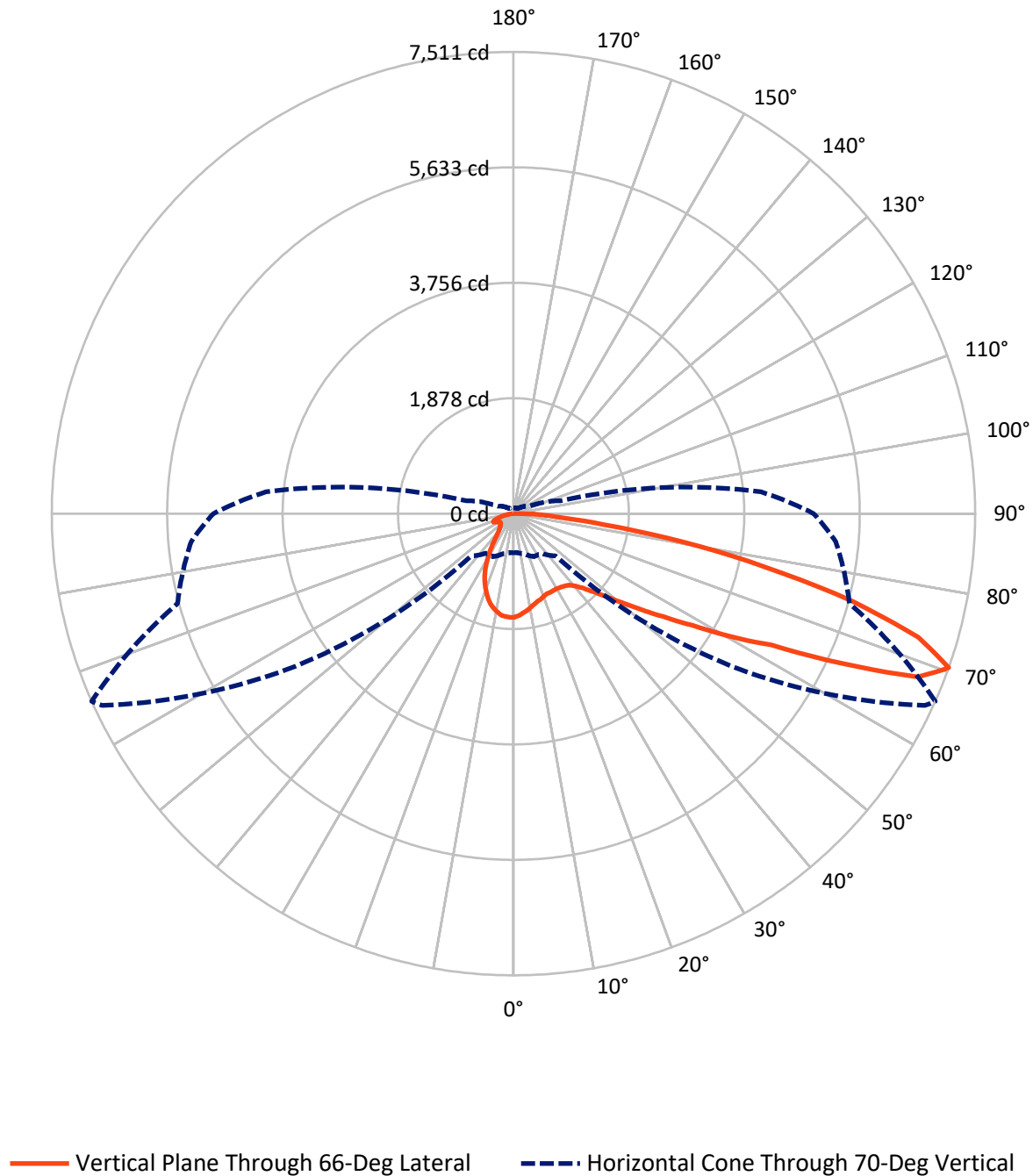
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1561.6	0.0	1561.6
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	6067.7	0.0	6067.7
	% Fixture	79.5	0.0	79.5
Total	Lumens	7629.3	0.0	7629.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.0	2.0
10°-20°	366.9	4.8
20°-30°	503.9	6.6
30°-40°	675.6	8.9
40°-50°	980.2	12.8
50°-60°	1489.9	19.5
60°-70°	1840.1	24.1
70°-80°	1368.4	17.9
80°-90°	255.2	3.3
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°	7629.3	100.0
0°-180°	7629.3	100.0

Coefficient of Utilization



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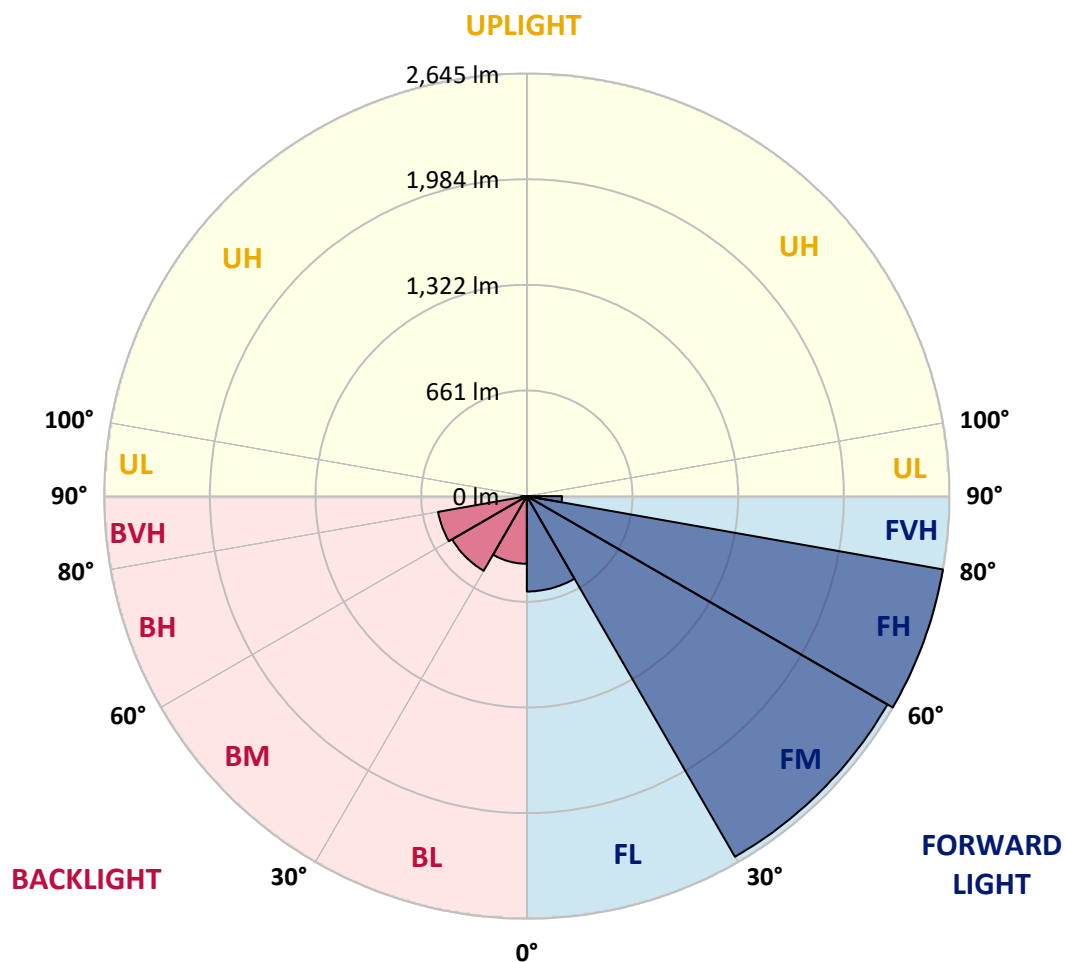
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	596.6	7.8			
FM	(30°-60°)	2606.3	34.2			
FH	(60°-80°)	2644.8	34.7			G2/5000
FVH	(80°-90°)	220.0	2.9			G2/225
BL	(0°-30°)	423.2	5.5	B1/500		
BM	(30°-60°)	539.4	7.1	B1/1000		
BH	(60°-80°)	563.7	7.4	B2/1000		G2/1000
BVH	(80°-90°)	35.2	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-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1685.6	1685.6	1685.6	1685.6	1685.6	1685.6	1685.6	1685.6	1685.6	1685.6	1685.6
2.5°	1603.3	1611.8	1614.6	1620.3	1634.5	1645.8	1662.9	1671.4	1662.9	1674.2	1674.2
5°	1492.6	1481.2	1509.6	1521.0	1538.0	1560.7	1600.4	1631.6	1623.1	1657.2	1685.6
7.5°	1399.0	1399.0	1407.5	1433.0	1452.9	1486.9	1529.5	1577.7	1591.9	1637.3	1679.9
10°	1313.8	1325.2	1325.2	1364.9	1376.3	1416.0	1486.9	1546.5	1549.3	1626.0	1685.6
12.5°	1268.4	1262.7	1291.1	1302.5	1336.5	1376.3	1433.0	1506.8	1509.6	1591.9	1674.2
15°	1231.5	1237.2	1251.4	1279.8	1311.0	1342.2	1396.1	1464.2	1478.4	1574.9	1668.5
17.5°	1234.4	1237.2	1237.2	1257.1	1282.6	1319.5	1370.6	1450.0	1458.5	1552.2	1660.0
20°	1251.4	1240.0	1248.6	1257.1	1274.1	1308.1	1350.7	1418.8	1427.3	1549.3	1679.9
22.5°	1288.3	1279.8	1276.9	1274.1	1271.3	1291.1	1345.0	1401.8	1410.3	1535.2	1688.4
25°	1347.9	1345.0	1325.2	1305.3	1291.1	1291.1	1333.7	1416.0	1413.1	1535.2	1694.1
27.5°	1418.8	1418.8	1416.0	1379.1	1336.5	1313.8	1342.2	1410.3	1407.5	1535.2	1708.3
30°	1515.3	1515.3	1506.8	1472.7	1396.1	1330.8	1347.9	1404.6	1413.1	1523.8	1696.9
32.5°	1620.3	1617.4	1626.0	1594.7	1515.3	1410.3	1381.9	1416.0	1424.5	1535.2	1699.7
35°	1696.9	1713.9	1742.3	1713.9	1634.5	1492.6	1430.2	1438.7	1444.4	1538.0	1711.1
37.5°	1784.9	1804.7	1844.5	1867.2	1782.0	1617.4	1506.8	1475.6	1475.6	1574.9	1713.9
40°	1912.6	1892.7	1960.8	2000.5	1966.5	1770.7	1626.0	1543.7	1546.5	1623.1	1750.8
42.5°	2006.2	2026.1	2097.0	2168.0	2125.4	1958.0	1756.5	1654.3	1654.3	1694.1	1807.6
45°	2111.2	2133.9	2233.2	2318.3	2349.6	2182.1	1935.3	1813.2	1807.6	1833.1	1909.7
47.5°	2227.5	2258.8	2372.3	2471.6	2553.9	2414.8	2165.1	2006.2	2003.4	2023.2	2080.0
50°	2360.9	2372.3	2465.9	2647.5	2812.1	2724.1	2446.0	2278.6	2264.4	2272.9	2349.6
52.5°	2400.6	2392.1	2500.0	2695.7	2996.5	3101.5	2829.1	2587.9	2582.2	2562.4	2661.7
55°	2255.9	2284.3	2389.3	2639.0	3146.9	3547.0	3249.1	3010.7	2959.6	2905.7	3024.9
57.5°	1966.5	1969.3	2088.5	2383.6	3030.6	3915.9	3961.3	3425.0	3427.9	3283.1	3419.3
60°	1529.5	1521.0	1614.6	1881.3	2698.6	4029.4	4738.8	4086.2	4057.8	3660.5	3785.4
62.5°	1103.8	1086.8	1106.7	1262.7	2017.6	3856.3	5502.2	4826.8	4707.6	4046.5	4142.9
65°	908.0	916.6	925.1	933.6	1132.2	3181.0	5737.7	6035.6	5876.7	4497.6	4537.4
67.5°	752.0	757.6	794.5	845.6	839.9	1878.5	5465.3	7153.7	7094.1	5056.7	4877.9
70°	638.5	635.6	678.2	771.8	786.0	976.1	4327.4	7383.5	7511.2	5658.2	5263.8
72.5°	510.8	516.4	553.3	678.2	771.8	822.9	2491.4	6889.8	6886.9	6120.8	5056.7
75°	366.1	366.1	417.1	561.9	746.3	814.4	1379.1	5593.0	5698.0	5751.9	4387.0
77.5°	241.2	252.5	292.3	420.0	700.9	797.4	874.0	4066.3	4196.9	4301.8	3356.9
80°	164.6	170.3	195.8	292.3	593.1	803.0	715.1	2735.5	2786.6	2375.1	1362.1
82.5°	99.3	102.2	130.5	204.3	425.6	763.3	672.5	1509.6	1478.4	717.9	391.6
85°	53.9	56.8	82.3	136.2	280.9	666.8	661.2	740.6	689.5	263.9	164.6
87.5°	19.9	19.9	36.9	68.1	161.7	456.9	576.0	439.8	411.5	133.4	76.6
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1685.6	1685.6	1685.6	1685.6	1685.6	1685.6	1685.6	1685.6	1685.6	1685.6	1685.6
2.5°	1688.4	1688.4	1688.4	1688.4	1685.6	1674.2	1682.7	1679.9	1662.9	1665.7	1654.3
5°	1682.7	1696.9	1688.4	1677.0	1662.9	1628.8	1617.4	1608.9	1586.2	1577.7	1586.2
7.5°	1696.9	1685.6	1679.9	1660.0	1603.3	1572.0	1532.3	1484.1	1450.0	1441.5	1450.0
10°	1694.1	1694.1	1668.5	1611.8	1557.9	1467.1	1416.0	1330.8	1282.6	1268.4	1271.3
12.5°	1682.7	1691.2	1651.5	1560.7	1458.5	1347.9	1254.2	1163.4	1078.3	1044.2	1038.6
15°	1694.1	1685.6	1614.6	1498.3	1356.4	1203.2	1066.9	933.6	854.1	803.0	791.7
17.5°	1677.0	1668.5	1566.4	1413.1	1223.0	1027.2	857.0	712.2	632.8	612.9	612.9
20°	1696.9	1643.0	1509.6	1311.0	1084.0	834.3	641.3	533.5	513.6	513.6	519.3
22.5°	1694.1	1637.3	1461.4	1211.7	916.6	630.0	476.7	445.5	448.3	471.0	468.2
25°	1677.0	1626.0	1393.3	1101.0	740.6	473.9	394.4	385.9	405.8	431.3	428.5
27.5°	1674.2	1594.7	1330.8	970.5	564.7	374.6	343.4	343.4	363.2	385.9	383.1
30°	1657.2	1569.2	1254.2	822.9	425.6	326.3	315.0	315.0	323.5	334.8	334.8
32.5°	1654.3	1535.2	1169.1	669.7	340.5	295.1	289.4	292.3	292.3	298.0	295.1
35°	1631.6	1489.8	1081.1	519.3	295.1	278.1	272.4	269.6	269.6	266.7	266.7
37.5°	1623.1	1461.4	990.3	402.9	275.3	263.9	258.2	249.7	246.9	246.9	244.0
40°	1631.6	1433.0	902.4	326.3	258.2	252.5	244.0	232.7	229.8	229.8	229.8
42.5°	1662.9	1430.2	811.6	283.8	249.7	241.2	229.8	218.5	215.7	218.5	215.7
45°	1733.8	1452.9	723.6	263.9	238.4	229.8	215.7	207.1	204.3	207.1	207.1
47.5°	1850.1	1515.3	644.1	252.5	229.8	218.5	204.3	195.8	195.8	195.8	195.8
50°	2043.1	1634.5	567.5	244.0	224.2	210.0	195.8	184.4	181.6	181.6	184.4
52.5°	2332.5	1838.8	505.1	238.4	215.7	198.6	184.4	175.9	170.3	167.4	170.3
55°	2681.6	2136.7	485.2	232.7	204.3	190.1	175.9	164.6	158.9	158.9	156.1
57.5°	3056.1	2465.9	519.3	227.0	195.8	178.8	164.6	153.2	147.6	144.7	144.7
60°	3461.9	2854.7	644.1	224.2	187.3	167.4	153.2	144.7	136.2	133.4	133.4
62.5°	3830.8	3206.5	868.3	221.3	181.6	156.1	141.9	130.5	124.9	122.0	122.0
65°	4250.8	3598.1	1086.8	232.7	178.8	147.6	130.5	119.2	113.5	110.7	110.7
67.5°	4616.8	3938.6	1214.5	261.1	187.3	136.2	116.3	107.8	105.0	102.2	102.2
70°	4883.6	4043.6	814.4	286.6	201.5	127.7	105.0	99.3	93.6	93.6	93.6
72.5°	4526.0	3609.5	482.4	269.6	190.1	119.2	93.6	88.0	85.1	85.1	82.3
75°	3870.5	3073.2	371.7	218.5	153.2	102.2	82.3	76.6	73.8	73.8	70.9
77.5°	2857.5	2202.0	275.3	173.1	119.2	82.3	70.9	68.1	65.3	62.4	62.4
80°	1118.0	964.8	187.3	127.7	88.0	65.3	59.6	56.8	53.9	51.1	51.1
82.5°	346.2	292.3	107.8	85.1	62.4	51.1	48.2	45.4	42.6	39.7	39.7
85°	150.4	144.7	70.9	53.9	42.6	34.1	34.1	31.2	28.4	25.5	25.5
87.5°	73.8	70.9	39.7	25.5	22.7	17.0	17.0	14.2	11.4	11.4	11.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)