

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: P675495

Luminaire Tested: **CCW-SA-2C-850-U-SL2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675495
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-850-U-SL2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
SL2 distribution lens
Light Source: (32) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

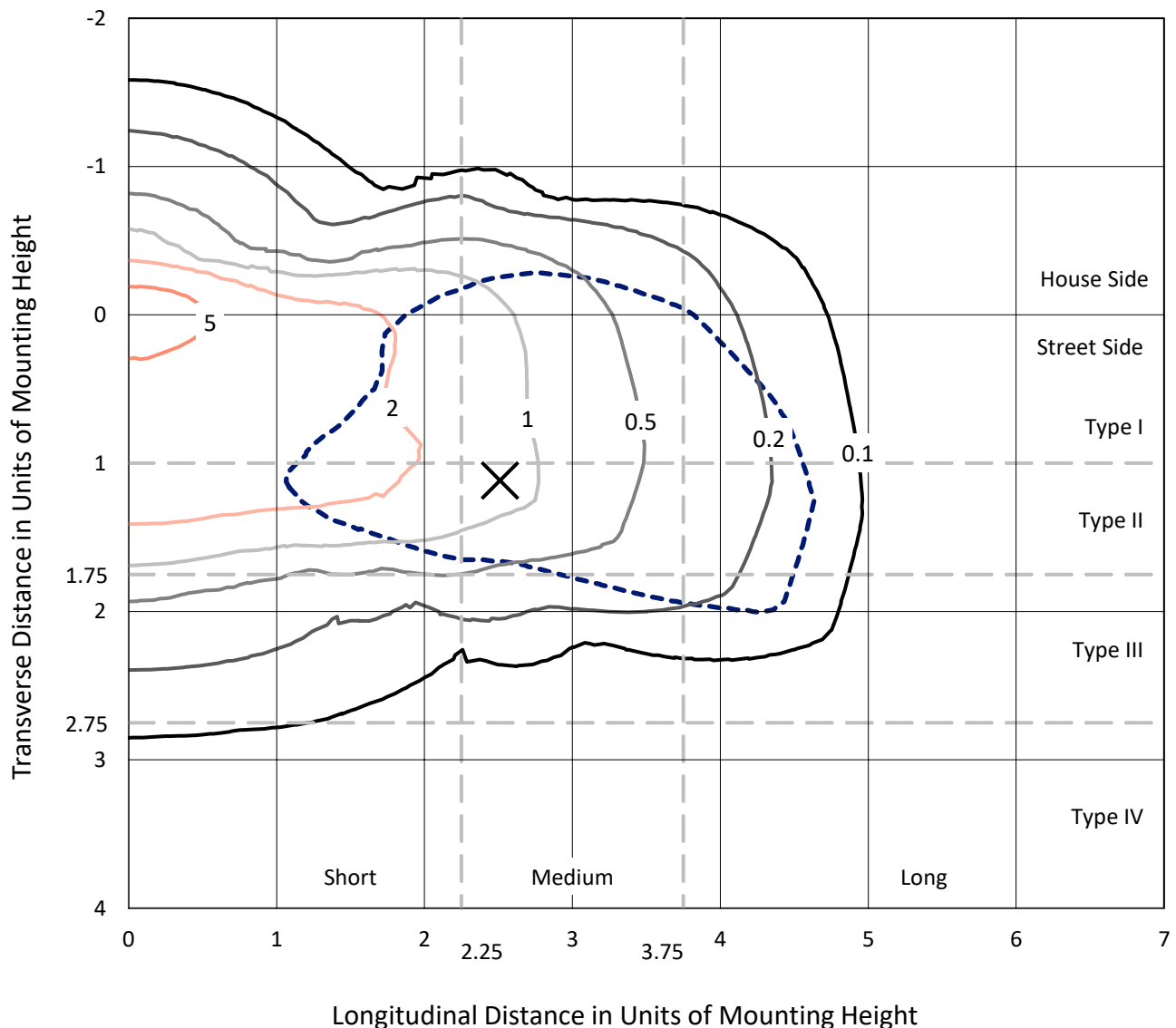
Lumens per Lamp: N/A
Luminaire Lumens: 7808.3 lumens
Efficiency: N/A
Efficacy: 125.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

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

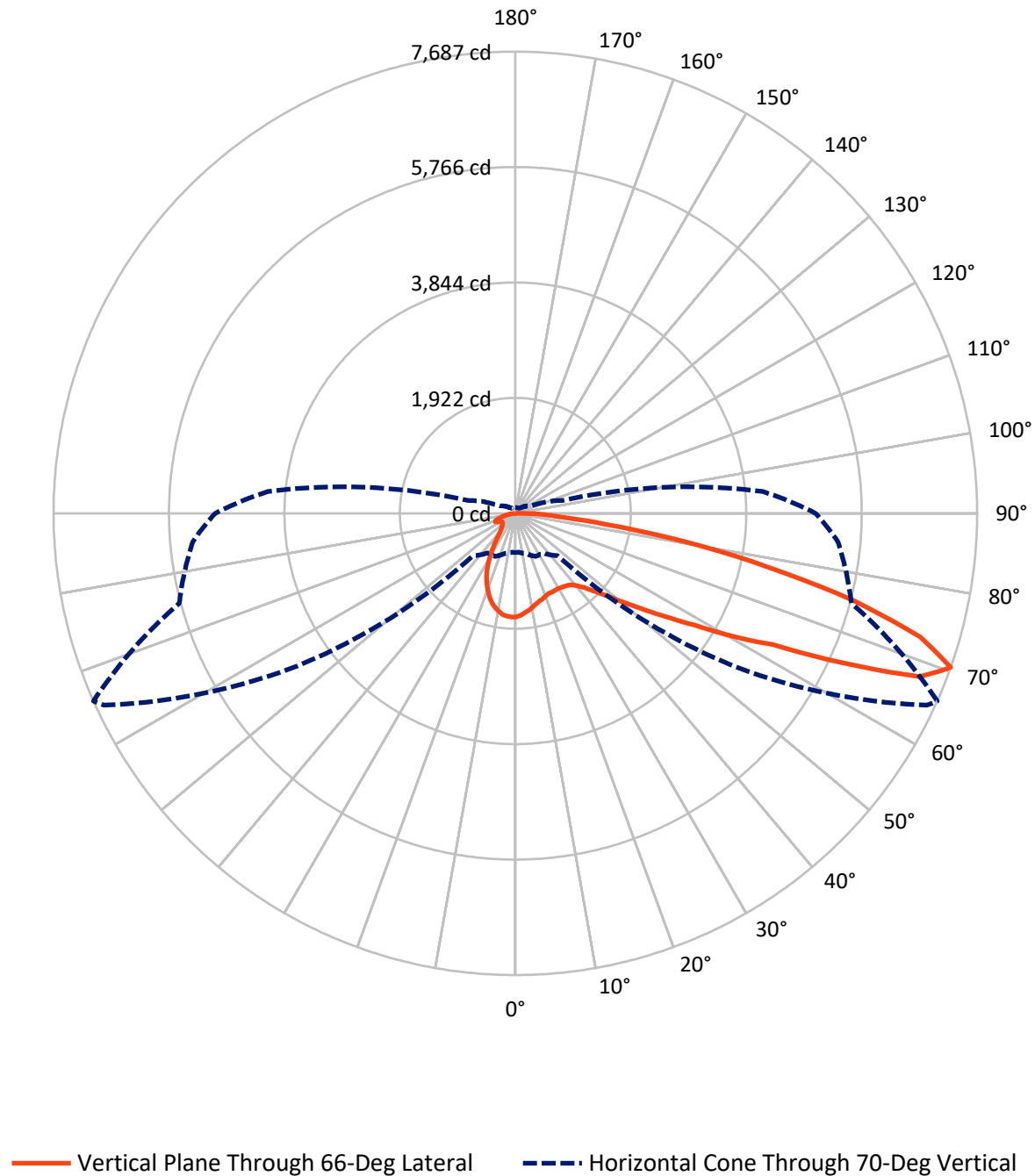
× Max cd
 --- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.7 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	1598.3	0.0	1598.3
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	6210.0	0.0	6210.0
	% Fixture	79.5	0.0	79.5
Total	Lumens	7808.3	0.0	7808.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.5	2.0
10°-20°	375.5	4.8
20°-30°	515.7	6.6
30°-40°	691.4	8.9
40°-50°	1003.2	12.8
50°-60°	1524.9	19.5
60°-70°	1883.3	24.1
70°-80°	1400.5	17.9
80°-90°	261.2	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°	7808.3	100.0
0°-180°	7808.3	100.0

Coefficient of Utilization



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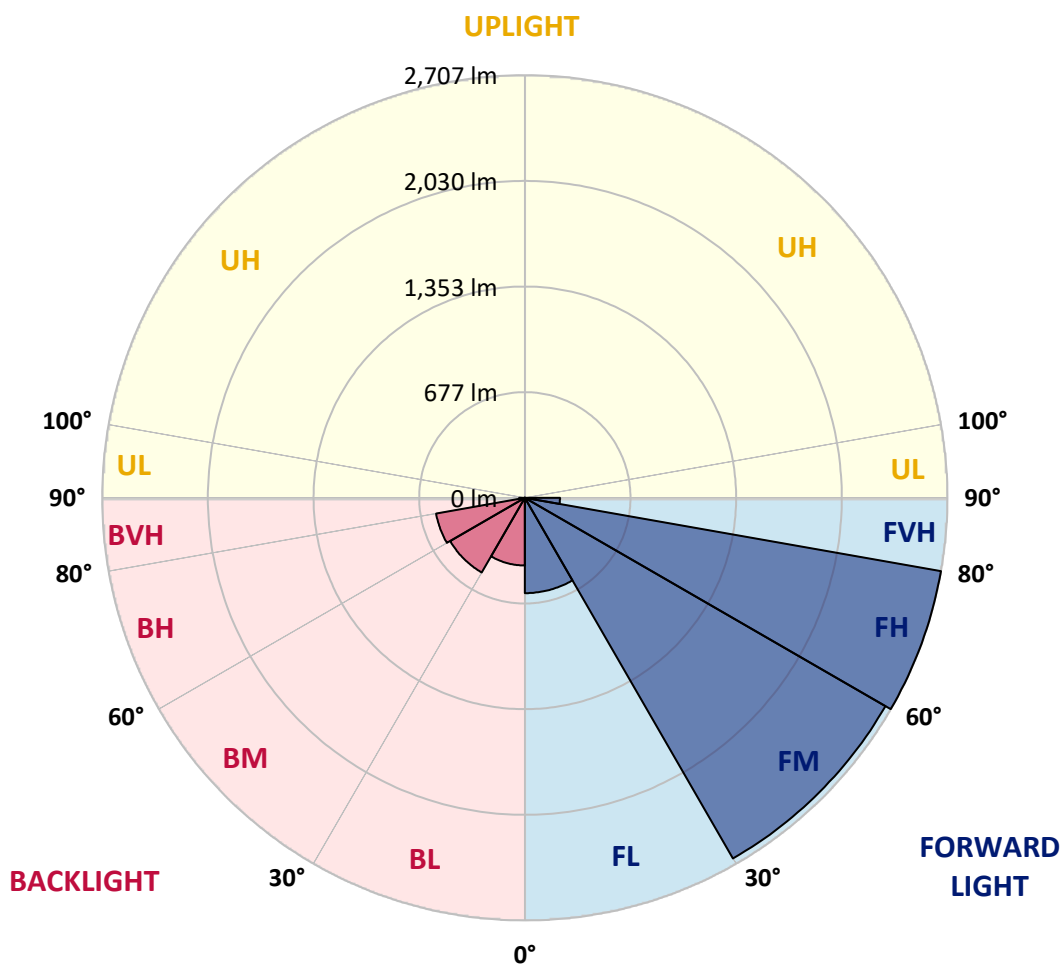
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	610.6	7.8			
FM	(30°-60°)	2667.4	34.2			
FH	(60°-80°)	2706.9	34.7			G2/5000
FVH	(80°-90°)	225.2	2.9			G3/500
BL	(0°-30°)	433.2	5.5	B1/500		
BM	(30°-60°)	552.1	7.1	B1/1000		
BH	(60°-80°)	576.9	7.4	B2/1000		G2/1000
BVH	(80°-90°)	36.1	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1725.1	1725.1	1725.1	1725.1	1725.1	1725.1	1725.1	1725.1	1725.1	1725.1	1725.1
2.5°	1640.9	1649.6	1652.5	1658.3	1672.8	1684.4	1701.9	1710.6	1701.9	1713.5	1713.5
5°	1527.6	1516.0	1545.0	1556.6	1574.1	1597.3	1638.0	1669.9	1661.2	1696.0	1725.1
7.5°	1431.8	1431.8	1440.5	1466.6	1486.9	1521.8	1565.4	1614.7	1629.3	1675.7	1719.3
10°	1344.6	1356.3	1356.3	1396.9	1408.5	1449.2	1521.8	1582.8	1585.7	1664.1	1725.1
12.5°	1298.2	1292.4	1321.4	1333.0	1367.9	1408.5	1466.6	1542.1	1545.0	1629.3	1713.5
15°	1260.4	1266.2	1280.8	1309.8	1341.7	1373.7	1428.9	1498.6	1513.1	1611.8	1707.7
17.5°	1263.3	1266.2	1266.2	1286.6	1312.7	1350.5	1402.7	1484.0	1492.8	1588.6	1699.0
20°	1280.8	1269.1	1277.8	1286.6	1304.0	1338.8	1382.4	1452.1	1460.8	1585.7	1719.3
22.5°	1318.5	1309.8	1306.9	1304.0	1301.1	1321.4	1376.6	1434.7	1443.4	1571.2	1728.0
25°	1379.5	1376.6	1356.3	1335.9	1321.4	1321.4	1365.0	1449.2	1446.3	1571.2	1733.8
27.5°	1452.1	1452.1	1449.2	1411.4	1367.9	1344.6	1373.7	1443.4	1440.5	1571.2	1748.3
30°	1550.8	1550.8	1542.1	1507.3	1428.9	1362.1	1379.5	1437.6	1446.3	1559.6	1736.7
32.5°	1658.3	1655.4	1664.1	1632.2	1550.8	1443.4	1414.3	1449.2	1457.9	1571.2	1739.6
35°	1736.7	1754.1	1783.2	1754.1	1672.8	1527.6	1463.7	1472.4	1478.2	1574.1	1751.2
37.5°	1826.7	1847.1	1887.7	1911.0	1823.8	1655.4	1542.1	1510.2	1510.2	1611.8	1754.1
40°	1957.4	1937.1	2006.8	2047.5	2012.6	1812.2	1664.1	1579.9	1582.8	1661.2	1791.9
42.5°	2053.3	2073.6	2146.2	2218.8	2175.2	2003.9	1797.7	1693.1	1693.1	1733.8	1850.0
45°	2160.7	2184.0	2285.6	2372.7	2404.7	2233.3	1980.7	1855.8	1850.0	1876.1	1954.5
47.5°	2279.8	2311.7	2427.9	2529.6	2613.8	2471.5	2215.9	2053.3	2050.4	2070.7	2128.8
50°	2416.3	2427.9	2523.7	2709.6	2878.1	2788.0	2503.4	2332.1	2317.5	2326.3	2404.7
52.5°	2456.9	2448.2	2558.6	2759.0	3066.8	3174.3	2895.5	2648.6	2642.8	2622.5	2724.1
55°	2308.8	2337.9	2445.3	2700.9	3220.8	3630.2	3325.3	3081.4	3029.1	2973.9	3095.9
57.5°	2012.6	2015.5	2137.5	2439.5	3101.7	4007.8	4054.3	3505.4	3508.3	3360.2	3499.6
60°	1565.4	1556.6	1652.5	1925.5	2761.9	4124.0	4850.0	4182.0	4153.0	3746.4	3874.2
62.5°	1129.7	1112.3	1132.6	1292.4	2064.9	3946.8	5631.2	4940.0	4818.1	4141.4	4240.1
65°	929.3	938.1	946.8	955.5	1158.8	3255.6	5872.3	6177.2	6014.6	4603.1	4643.8
67.5°	769.6	775.4	813.2	865.5	859.6	1922.6	5593.5	7321.5	7260.5	5175.3	4992.3
70°	653.4	650.5	694.1	789.9	804.5	999.0	4428.9	7556.7	7687.4	5791.0	5387.3
72.5°	522.8	528.6	566.3	694.1	789.9	842.2	2549.9	7051.4	7048.5	6264.3	5175.3
75°	374.6	374.6	426.9	575.0	763.8	833.5	1411.4	5724.2	5831.6	5886.8	4489.9
77.5°	246.9	258.5	299.1	429.8	717.3	816.1	894.5	4161.7	4295.3	4402.8	3435.7
80°	168.4	174.3	200.4	299.1	607.0	821.9	731.9	2799.6	2851.9	2430.8	1394.0
82.5°	101.6	104.6	133.6	209.1	435.6	781.2	688.3	1545.0	1513.1	734.8	400.8
85°	55.2	58.1	84.2	139.4	287.5	682.5	676.7	758.0	705.7	270.1	168.4
87.5°	20.3	20.3	37.8	69.7	165.5	467.6	589.6	450.2	421.1	136.5	78.4
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°	1725.1	1725.1	1725.1	1725.1	1725.1	1725.1	1725.1	1725.1	1725.1	1725.1	1725.1
2.5°	1728.0	1728.0	1728.0	1728.0	1725.1	1713.5	1722.2	1719.3	1701.9	1704.8	1693.1
5°	1722.2	1736.7	1728.0	1716.4	1701.9	1667.0	1655.4	1646.7	1623.4	1614.7	1623.4
7.5°	1736.7	1725.1	1719.3	1699.0	1640.9	1608.9	1568.3	1518.9	1484.0	1475.3	1484.0
10°	1733.8	1733.8	1707.7	1649.6	1594.4	1501.5	1449.2	1362.1	1312.7	1298.2	1301.1
12.5°	1722.2	1730.9	1690.2	1597.3	1492.8	1379.5	1283.7	1190.7	1103.6	1068.7	1062.9
15°	1733.8	1725.1	1652.5	1533.4	1388.2	1231.4	1092.0	955.5	874.2	821.9	810.3
17.5°	1716.4	1707.7	1603.1	1446.3	1251.7	1051.3	877.1	729.0	647.6	627.3	627.3
20°	1736.7	1681.5	1545.0	1341.7	1109.4	853.8	656.3	546.0	525.7	525.7	531.5
22.5°	1733.8	1675.7	1495.7	1240.1	938.1	644.7	487.9	456.0	458.9	482.1	479.2
25°	1716.4	1664.1	1426.0	1126.8	758.0	485.0	403.7	395.0	415.3	441.4	438.5
27.5°	1713.5	1632.2	1362.1	993.2	577.9	383.4	351.4	351.4	371.7	395.0	392.1
30°	1696.0	1606.0	1283.7	842.2	435.6	334.0	322.4	322.4	331.1	342.7	342.7
32.5°	1693.1	1571.2	1196.5	685.4	348.5	302.0	296.2	299.1	299.1	304.9	302.0
35°	1669.9	1524.7	1106.5	531.5	302.0	284.6	278.8	275.9	275.9	273.0	273.0
37.5°	1661.2	1495.7	1013.6	412.4	281.7	270.1	264.3	255.6	252.7	252.7	249.8
40°	1669.9	1466.6	923.5	334.0	264.3	258.5	249.8	238.1	235.2	235.2	235.2
42.5°	1701.9	1463.7	830.6	290.4	255.6	246.9	235.2	223.6	220.7	223.6	220.7
45°	1774.5	1486.9	740.6	270.1	244.0	235.2	220.7	212.0	209.1	212.0	212.0
47.5°	1893.5	1550.8	659.3	258.5	235.2	223.6	209.1	200.4	200.4	200.4	200.4
50°	2091.0	1672.8	580.8	249.8	229.4	214.9	200.4	188.8	185.9	185.9	188.8
52.5°	2387.2	1881.9	516.9	244.0	220.7	203.3	188.8	180.1	174.3	171.3	174.3
55°	2744.5	2186.9	496.6	238.1	209.1	194.6	180.1	168.4	162.6	162.6	159.7
57.5°	3127.8	2523.7	531.5	232.3	200.4	183.0	168.4	156.8	151.0	148.1	148.1
60°	3543.1	2921.6	659.3	229.4	191.7	171.3	156.8	148.1	139.4	136.5	136.5
62.5°	3920.7	3281.7	888.7	226.5	185.9	159.7	145.2	133.6	127.8	124.9	124.9
65°	4350.5	3682.5	1112.3	238.1	183.0	151.0	133.6	122.0	116.2	113.3	113.3
67.5°	4725.1	4031.0	1243.0	267.2	191.7	139.4	119.1	110.4	107.5	104.6	104.6
70°	4998.1	4138.5	833.5	293.3	206.2	130.7	107.5	101.6	95.8	95.8	95.8
72.5°	4632.2	3694.1	493.7	275.9	194.6	122.0	95.8	90.0	87.1	87.1	84.2
75°	3961.3	3145.2	380.4	223.6	156.8	104.6	84.2	78.4	75.5	75.5	72.6
77.5°	2924.5	2253.7	281.7	177.2	122.0	84.2	72.6	69.7	66.8	63.9	63.9
80°	1144.3	987.4	191.7	130.7	90.0	66.8	61.0	58.1	55.2	52.3	52.3
82.5°	354.3	299.1	110.4	87.1	63.9	52.3	49.4	46.5	43.6	40.7	40.7
85°	153.9	148.1	72.6	55.2	43.6	34.9	34.9	31.9	29.0	26.1	26.1
87.5°	75.5	72.6	40.7	26.1	23.2	17.4	17.4	14.5	11.6	11.6	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

(END OF REPORT)