

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: P675407

Luminaire Tested: **CCW-SA-2C-735-U-SL2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675407
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-735-U-SL2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
SL2 distribution lens
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

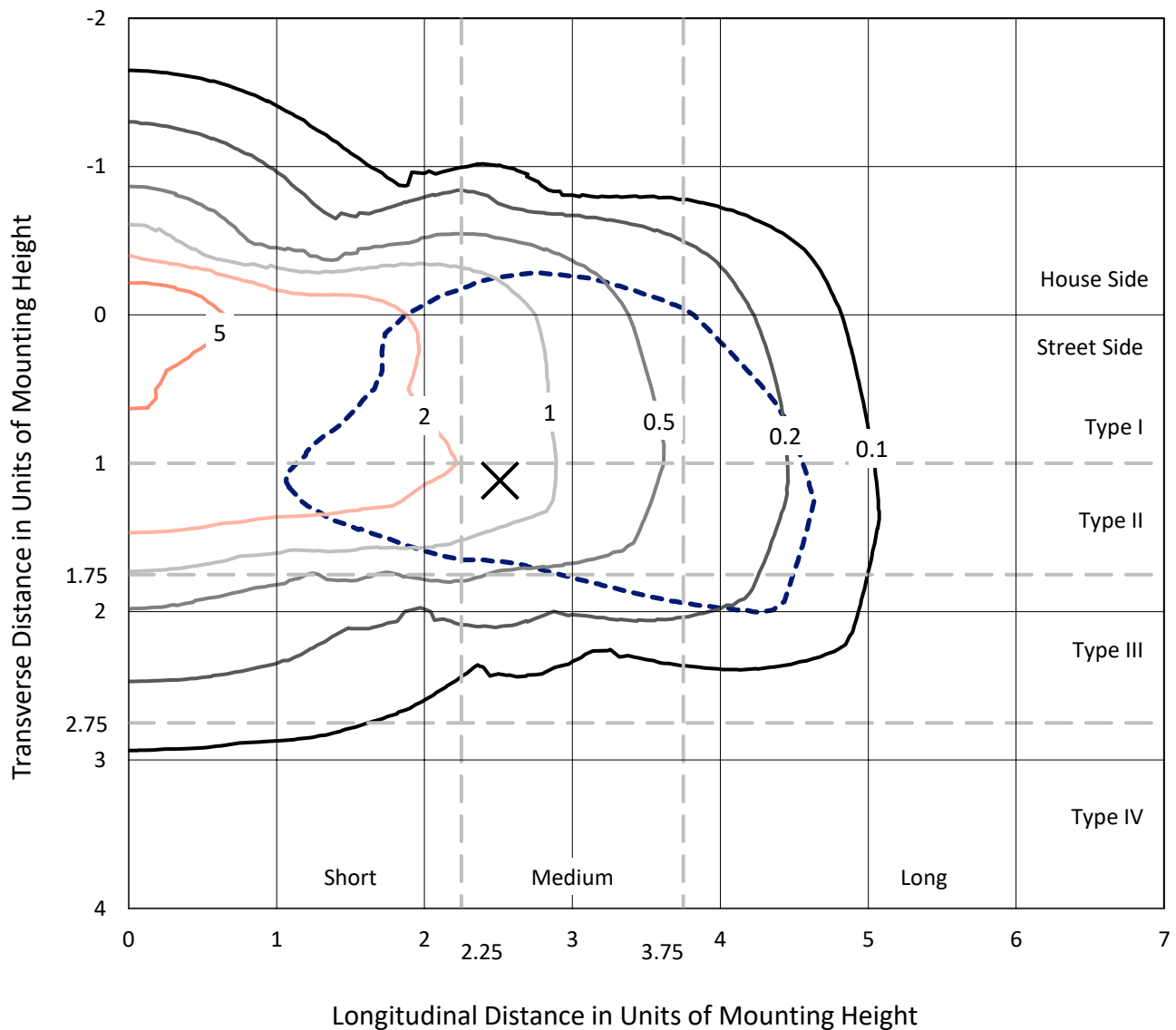
Lumens per Lamp: N/A
Luminaire Lumens: 8825.7 lumens
Efficiency: N/A
Efficacy: 142.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

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

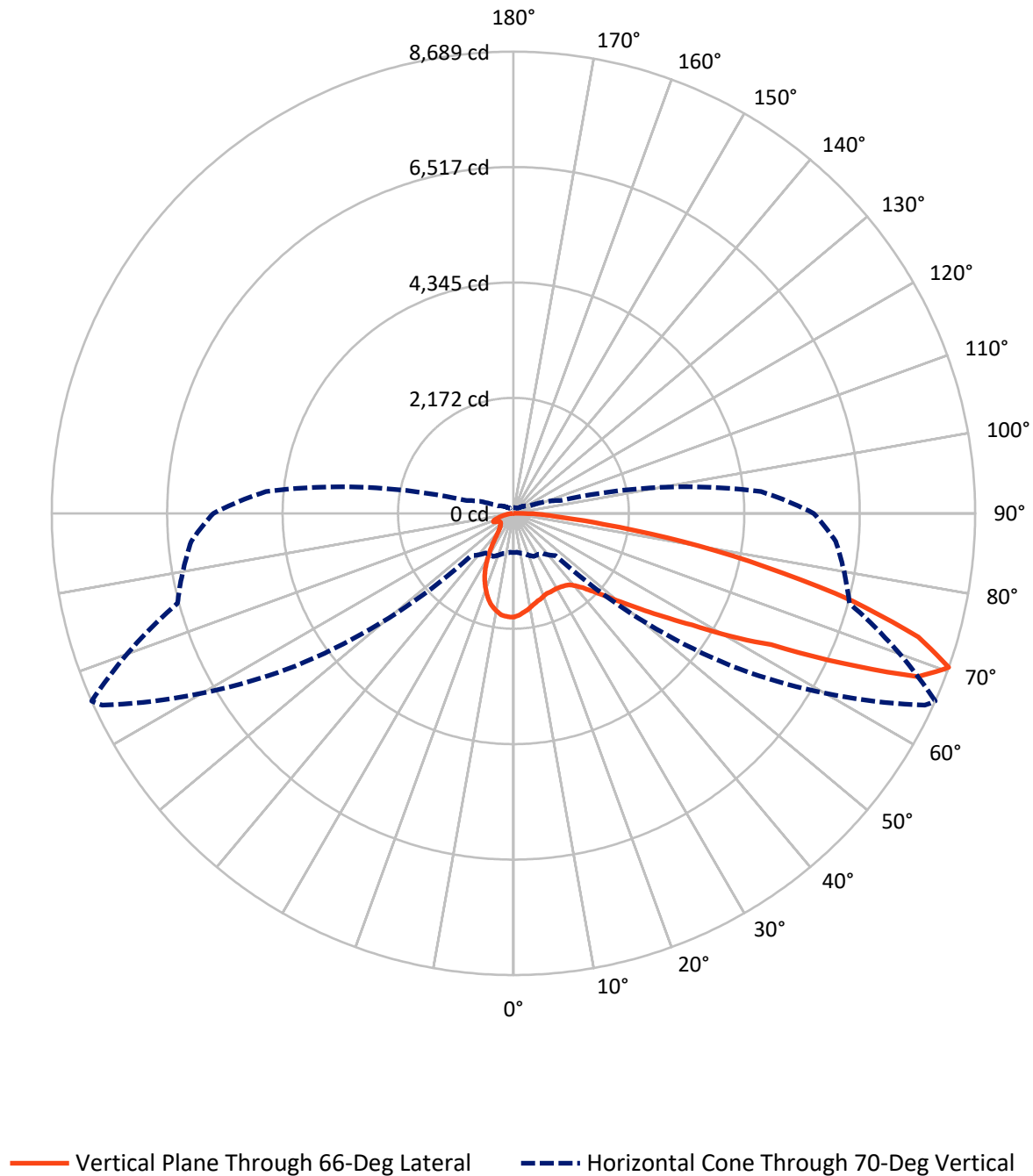
× Max cd
 --- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.7 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	1806.5	0.0	1806.5
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	7019.2	0.0	7019.2
	% Fixture	79.5	0.0	79.5
Total	Lumens	8825.7	0.0	8825.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.4	2.0
10°-20°	424.4	4.8
20°-30°	582.9	6.6
30°-40°	781.5	8.9
40°-50°	1133.9	12.8
50°-60°	1723.6	19.5
60°-70°	2128.7	24.1
70°-80°	1583.0	17.9
80°-90°	295.3	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°	8825.7	100.0
0°-180°	8825.7	100.0

Coefficient of Utilization



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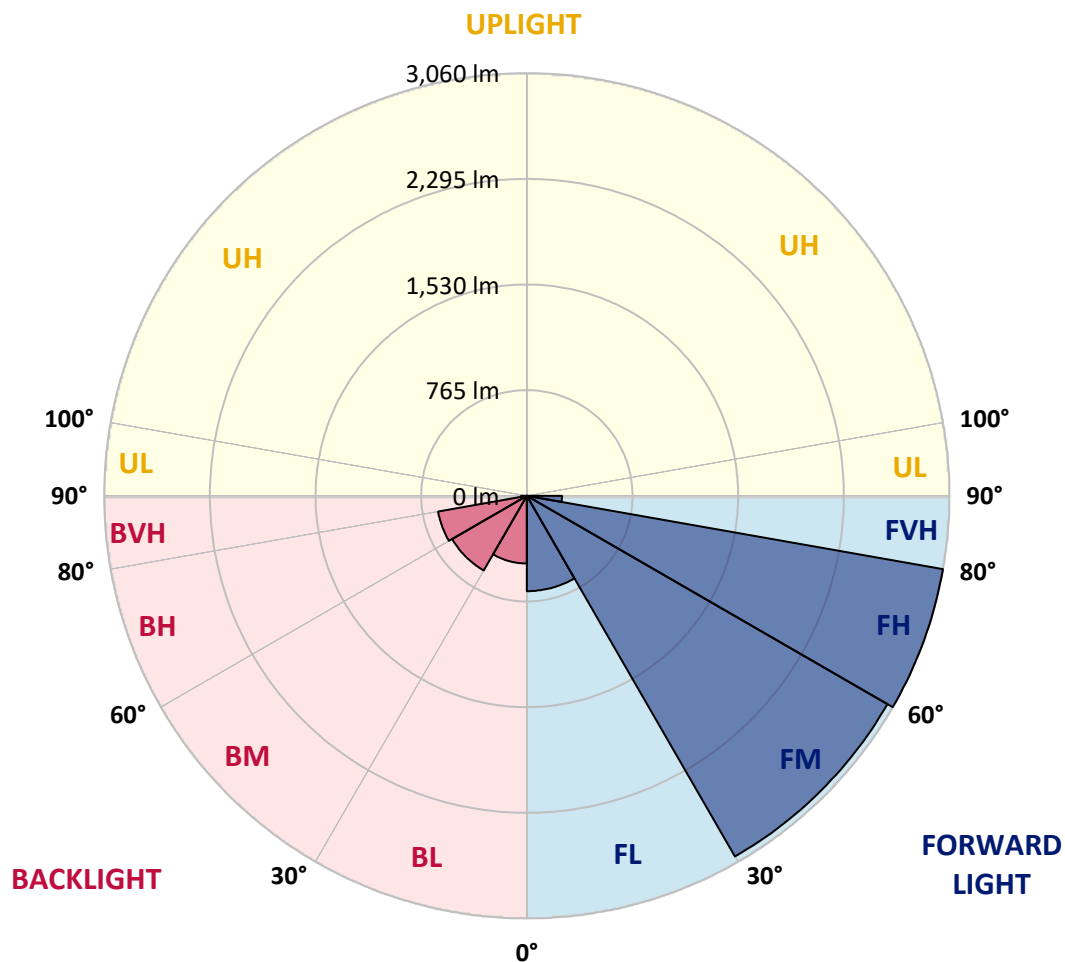
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	690.1	7.8			
FM	(30°-60°)	3015.0	34.2			
FH	(60°-80°)	3059.6	34.7			G2/5000
FVH	(80°-90°)	254.5	2.9			G3/500
BL	(0°-30°)	489.6	5.5	B1/500		
BM	(30°-60°)	624.0	7.1	B1/1000		
BH	(60°-80°)	652.1	7.4	B2/1000		G2/1000
BVH	(80°-90°)	40.7	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°	1949.9	1949.9	1949.9	1949.9	1949.9	1949.9	1949.9	1949.9	1949.9	1949.9	1949.9
2.5°	1854.7	1864.5	1867.8	1874.4	1890.8	1903.9	1923.6	1933.5	1923.6	1936.7	1936.7
5°	1726.7	1713.5	1746.3	1759.5	1779.2	1805.4	1851.4	1887.5	1877.7	1917.0	1949.9
7.5°	1618.3	1618.3	1628.2	1657.7	1680.7	1720.1	1769.3	1825.1	1841.5	1894.1	1943.3
10°	1519.8	1533.0	1533.0	1578.9	1592.1	1638.0	1720.1	1789.0	1792.3	1880.9	1949.9
12.5°	1467.3	1460.8	1493.6	1506.7	1546.1	1592.1	1657.7	1743.1	1746.3	1841.5	1936.7
15°	1424.7	1431.2	1447.6	1480.5	1516.6	1552.7	1615.0	1693.8	1710.2	1821.8	1930.2
17.5°	1427.9	1431.2	1431.2	1454.2	1483.7	1526.4	1585.5	1677.4	1687.3	1795.6	1920.3
20°	1447.6	1434.5	1444.3	1454.2	1473.9	1513.3	1562.5	1641.3	1651.2	1792.3	1943.3
22.5°	1490.3	1480.5	1477.2	1473.9	1470.6	1493.6	1556.0	1621.6	1631.5	1775.9	1953.2
25°	1559.2	1556.0	1533.0	1510.0	1493.6	1493.6	1542.8	1638.0	1634.7	1775.9	1959.7
27.5°	1641.3	1641.3	1638.0	1595.3	1546.1	1519.8	1552.7	1631.5	1628.2	1775.9	1976.1
30°	1752.9	1752.9	1743.1	1703.7	1615.0	1539.5	1559.2	1624.9	1634.7	1762.8	1963.0
32.5°	1874.4	1871.1	1880.9	1844.8	1752.9	1631.5	1598.6	1638.0	1647.9	1775.9	1966.3
35°	1963.0	1982.7	2015.5	1982.7	1890.8	1726.7	1654.4	1664.3	1670.8	1779.2	1979.4
37.5°	2064.8	2087.7	2133.7	2160.0	2061.5	1871.1	1743.1	1707.0	1707.0	1821.8	1982.7
40°	2212.5	2189.5	2268.3	2314.2	2274.9	2048.4	1880.9	1785.7	1789.0	1877.7	2025.4
42.5°	2320.8	2343.8	2425.9	2507.9	2458.7	2265.0	2031.9	1913.8	1913.8	1959.7	2091.0
45°	2442.3	2468.5	2583.4	2681.9	2718.0	2524.3	2238.7	2097.6	2091.0	2120.6	2209.2
47.5°	2576.9	2613.0	2744.3	2859.2	2954.4	2793.5	2504.6	2320.8	2317.5	2340.5	2406.2
50°	2731.1	2744.3	2852.6	3062.7	3253.1	3151.3	2829.6	2635.9	2619.5	2629.4	2718.0
52.5°	2777.1	2767.2	2892.0	3118.5	3466.4	3587.9	3272.8	2993.7	2987.2	2964.2	3079.1
55°	2609.7	2642.5	2764.0	3052.8	3640.4	4103.3	3758.6	3482.9	3423.8	3361.4	3499.3
57.5°	2274.9	2278.1	2416.0	2757.4	3505.8	4530.0	4582.5	3962.1	3965.4	3798.0	3955.5
60°	1769.3	1759.5	1867.8	2176.4	3121.8	4661.3	5482.0	4727.0	4694.1	4234.6	4379.0
62.5°	1276.9	1257.2	1280.2	1460.8	2333.9	4461.1	6365.0	5583.7	5445.9	4681.0	4792.6
65°	1050.4	1060.3	1070.1	1080.0	1309.8	3679.8	6637.4	6982.1	6798.3	5202.9	5248.9
67.5°	869.9	876.5	919.1	978.2	971.7	2173.1	6322.3	8275.5	8206.5	5849.6	5642.8
70°	738.6	735.3	784.5	892.9	909.3	1129.2	5006.0	8541.4	8689.1	6545.5	6089.2
72.5°	590.9	597.4	640.1	784.5	892.9	952.0	2882.1	7970.2	7966.9	7080.6	5849.6
75°	423.5	423.5	482.5	650.0	863.3	942.1	1595.3	6470.0	6591.5	6653.9	5074.9
77.5°	279.0	292.2	338.1	485.8	810.8	922.4	1011.0	4704.0	4855.0	4976.4	3883.3
80°	190.4	197.0	226.5	338.1	686.1	929.0	827.2	3164.4	3223.5	2747.5	1575.7
82.5°	114.9	118.2	151.0	236.3	492.4	883.0	778.0	1746.3	1710.2	830.5	453.0
85°	62.4	65.7	95.2	157.6	325.0	771.4	764.8	856.8	797.7	305.3	190.4
87.5°	23.0	23.0	42.7	78.8	187.1	528.5	666.4	508.8	476.0	154.3	88.6
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°	1949.9	1949.9	1949.9	1949.9	1949.9	1949.9	1949.9	1949.9	1949.9	1949.9	1949.9
2.5°	1953.2	1953.2	1953.2	1953.2	1949.9	1936.7	1946.6	1943.3	1923.6	1926.9	1913.8
5°	1946.6	1963.0	1953.2	1940.0	1923.6	1884.2	1871.1	1861.2	1835.0	1825.1	1835.0
7.5°	1963.0	1949.9	1943.3	1920.3	1854.7	1818.6	1772.6	1716.8	1677.4	1667.6	1677.4
10°	1959.7	1959.7	1930.2	1864.5	1802.2	1697.1	1638.0	1539.5	1483.7	1467.3	1470.6
12.5°	1946.6	1956.4	1910.5	1805.4	1687.3	1559.2	1450.9	1345.9	1247.4	1208.0	1201.4
15°	1959.7	1949.9	1867.8	1733.2	1569.1	1391.8	1234.3	1080.0	988.1	929.0	915.8
17.5°	1940.0	1930.2	1812.0	1634.7	1414.8	1188.3	991.3	823.9	732.0	709.0	709.0
20°	1963.0	1900.6	1746.3	1516.6	1254.0	965.1	741.9	617.1	594.2	594.2	600.7
22.5°	1959.7	1894.1	1690.5	1401.7	1060.3	728.7	551.5	515.4	518.7	544.9	541.6
25°	1940.0	1880.9	1611.8	1273.7	856.8	548.2	456.3	446.4	469.4	499.0	495.7
27.5°	1936.7	1844.8	1539.5	1122.7	653.2	433.3	397.2	397.2	420.2	446.4	443.2
30°	1917.0	1815.3	1450.9	952.0	492.4	377.5	364.4	364.4	374.2	387.3	387.3
32.5°	1913.8	1775.9	1352.4	774.7	393.9	341.4	334.8	338.1	338.1	344.7	341.4
35°	1887.5	1723.4	1250.7	600.7	341.4	321.7	315.1	311.8	311.8	308.6	308.6
37.5°	1877.7	1690.5	1145.6	466.1	318.4	305.3	298.7	288.9	285.6	285.6	282.3
40°	1887.5	1657.7	1043.9	377.5	298.7	292.2	282.3	269.2	265.9	265.9	265.9
42.5°	1923.6	1654.4	938.8	328.3	288.9	279.0	265.9	252.8	249.5	252.8	249.5
45°	2005.7	1680.7	837.1	305.3	275.7	265.9	249.5	239.6	236.3	239.6	239.6
47.5°	2140.3	1752.9	745.2	292.2	265.9	252.8	236.3	226.5	226.5	226.5	226.5
50°	2363.5	1890.8	656.5	282.3	259.3	242.9	226.5	213.4	210.1	210.1	213.4
52.5°	2698.3	2127.1	584.3	275.7	249.5	229.8	213.4	203.5	197.0	193.7	197.0
55°	3102.1	2471.8	561.3	269.2	236.3	219.9	203.5	190.4	183.8	183.8	180.5
57.5°	3535.4	2852.6	600.7	262.6	226.5	206.8	190.4	177.3	170.7	167.4	167.4
60°	4004.8	3302.3	745.2	259.3	216.7	193.7	177.3	167.4	157.6	154.3	154.3
62.5°	4431.5	3709.4	1004.5	256.0	210.1	180.5	164.1	151.0	144.4	141.2	141.2
65°	4917.4	4162.4	1257.2	269.2	206.8	170.7	151.0	137.9	131.3	128.0	128.0
67.5°	5340.8	4556.3	1405.0	302.0	216.7	157.6	134.6	124.7	121.5	118.2	118.2
70°	5649.4	4677.7	942.1	331.5	233.1	147.7	121.5	114.9	108.3	108.3	108.3
72.5°	5235.8	4175.5	558.0	311.8	219.9	137.9	108.3	101.8	98.5	98.5	95.2
75°	4477.5	3555.1	430.0	252.8	177.3	118.2	95.2	88.6	85.3	85.3	82.1
77.5°	3305.6	2547.3	318.4	200.2	137.9	95.2	82.1	78.8	75.5	72.2	72.2
80°	1293.3	1116.1	216.7	147.7	101.8	75.5	68.9	65.7	62.4	59.1	59.1
82.5°	400.5	338.1	124.7	98.5	72.2	59.1	55.8	52.5	49.2	46.0	46.0
85°	174.0	167.4	82.1	62.4	49.2	39.4	39.4	36.1	32.8	29.5	29.5
87.5°	85.3	82.1	46.0	29.5	26.3	19.7	19.7	16.4	13.1	13.1	13.1
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)