

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: P671531

Luminaire Tested: **CCP-SA-2C-735-U-SL4**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671531
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-735-U-SL4
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ SL4
distribution lens
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8738.6 lumens
Efficiency: N/A
Efficacy: 140.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

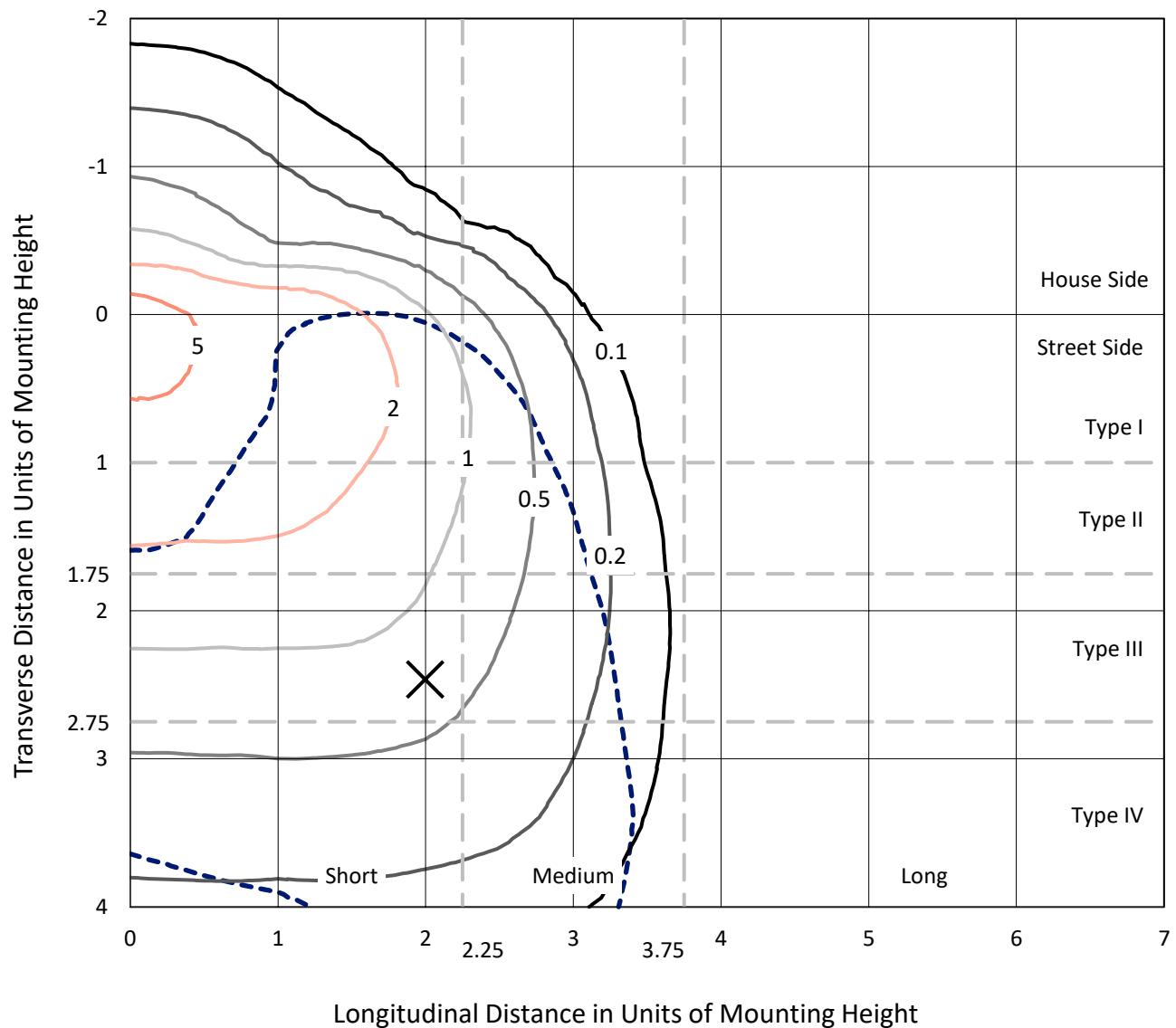
Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

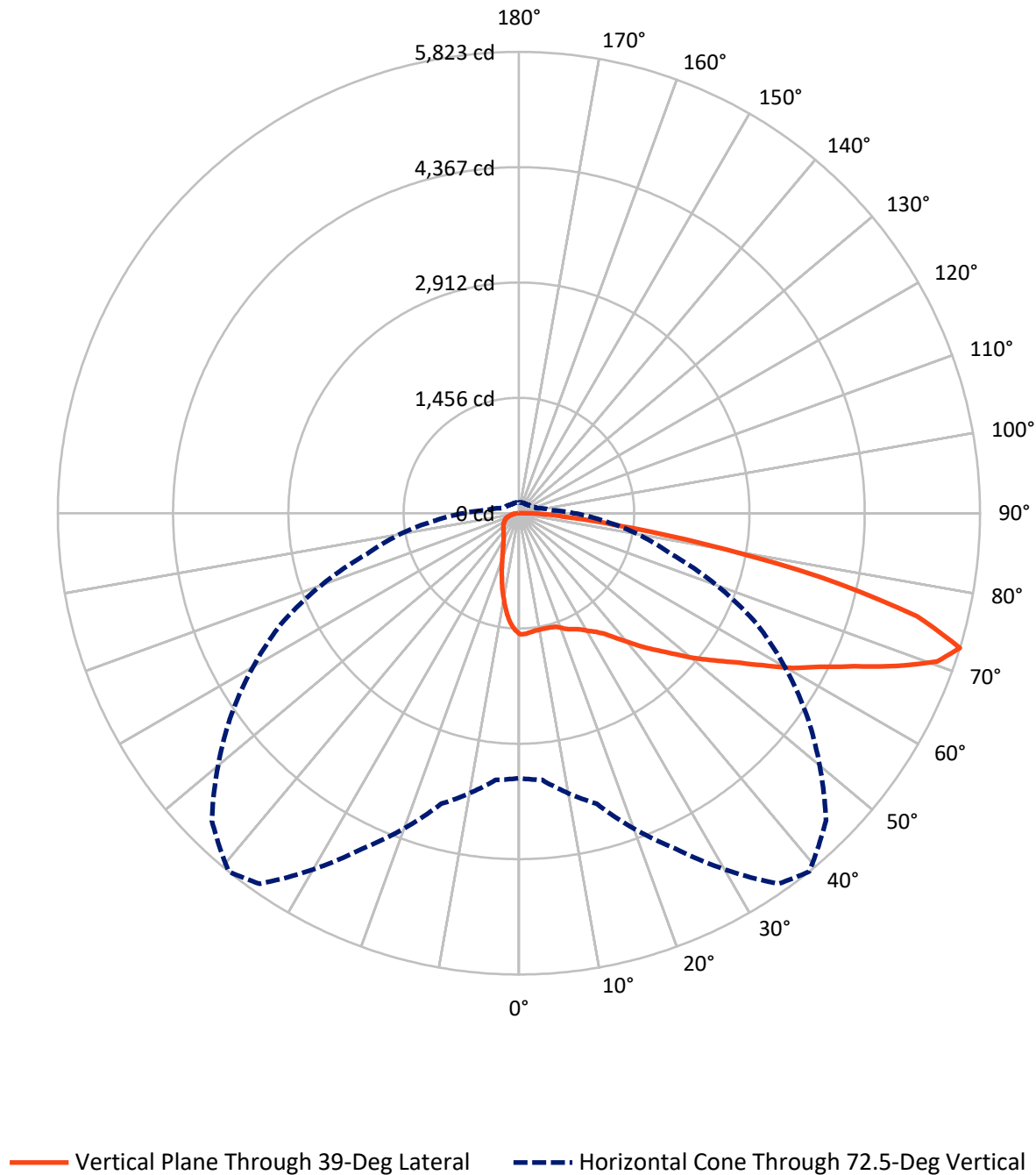


Based on 15 foot mounting height. Maximum calculated value = 6.8 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1298.7	0.0	1298.7
	% Fixture	14.9	0.0	14.9
Street Side	Lumens	7439.9	0.0	7439.9
	% Fixture	85.1	0.0	85.1
Total	Lumens	8738.6	0.0	8738.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.1	1.5
10°-20°	345.0	3.9
20°-30°	525.6	6.0
30°-40°	768.8	8.8
40°-50°	1177.1	13.5
50°-60°	1726.3	19.8
60°-70°	2201.7	25.2
70°-80°	1590.7	18.2
80°-90°	268.3	3.1
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°	8738.6	100.0
0°-180°	8738.6	100.0

Coefficient of Utilization



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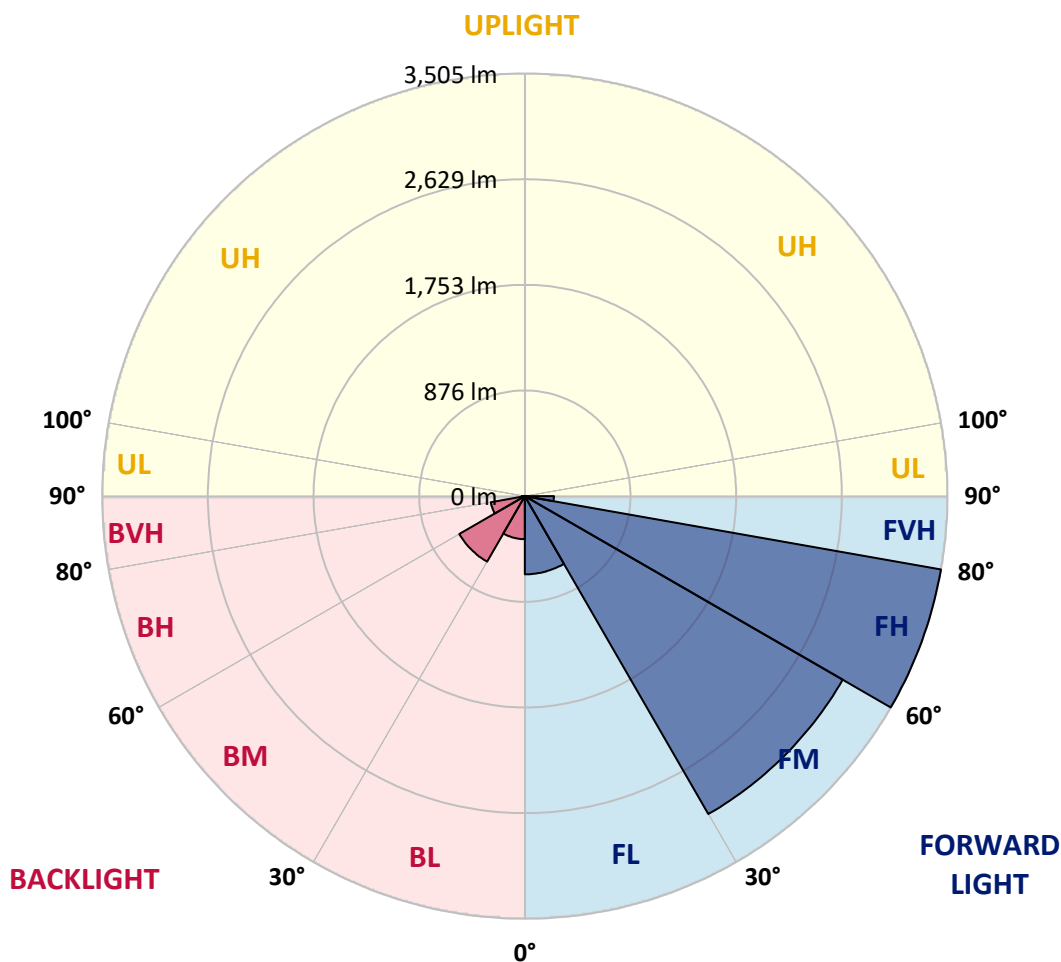
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	648.5	7.4			
FM	(30°-60°)	3044.7	34.8			
FH	(60°-80°)	3505.4	40.1			G2/5000
FVH	(80°-90°)	241.1	2.8			G3/500
BL	(0°-30°)	357.2	4.1	B1/500		
BM	(30°-60°)	627.4	7.2	B1/1000		
BH	(60°-80°)	287.0	3.3	B1/500		G1/500
BVH	(80°-90°)	27.2	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	1529.6	1529.6	1529.6	1529.6	1529.6	1529.6	1529.6	1529.6	1529.6	1529.6	1529.6
2.5°	1552.6	1555.9	1549.3	1542.8	1539.5	1526.4	1539.5	1532.9	1526.4	1526.4	1526.4
5°	1532.9	1536.2	1536.2	1529.6	1532.9	1509.9	1506.7	1509.9	1500.1	1493.5	1490.3
7.5°	1503.4	1509.9	1523.1	1519.8	1506.7	1496.8	1500.1	1496.8	1480.4	1470.6	1444.3
10°	1480.4	1487.0	1493.5	1500.1	1496.8	1493.5	1490.3	1477.1	1473.8	1450.9	1424.6
12.5°	1457.4	1457.4	1460.7	1487.0	1490.3	1490.3	1470.6	1470.6	1460.7	1457.4	1418.0
15°	1434.4	1444.3	1470.6	1477.1	1490.3	1496.8	1487.0	1487.0	1470.6	1447.6	1418.0
17.5°	1441.0	1457.4	1483.7	1500.1	1506.7	1506.7	1519.8	1509.9	1487.0	1473.8	1444.3
20°	1473.8	1477.1	1509.9	1539.5	1546.1	1546.1	1532.9	1523.1	1506.7	1483.7	1444.3
22.5°	1493.5	1516.5	1555.9	1572.3	1592.0	1592.0	1575.6	1552.6	1529.6	1506.7	1464.0
25°	1578.9	1582.2	1598.6	1624.8	1634.7	1621.6	1605.1	1578.9	1549.3	1526.4	1487.0
27.5°	1638.0	1654.4	1674.1	1687.2	1670.8	1660.9	1647.8	1618.3	1595.3	1575.6	1519.8
30°	1746.3	1726.6	1739.7	1746.3	1716.7	1723.3	1687.2	1660.9	1634.7	1634.7	1572.3
32.5°	1811.9	1828.3	1815.2	1811.9	1789.0	1785.7	1762.7	1733.2	1716.7	1736.4	1651.1
35°	1926.8	1917.0	1917.0	1913.7	1887.4	1871.0	1871.0	1818.5	1834.9	1877.6	1772.5
37.5°	1985.9	1982.6	2002.3	2018.7	1992.5	2002.3	1992.5	1969.5	1976.1	2051.6	1923.5
40°	2045.0	2068.0	2107.4	2113.9	2130.3	2143.5	2136.9	2133.6	2159.9	2281.3	2127.1
42.5°	2100.8	2120.5	2179.6	2232.1	2271.5	2314.2	2317.4	2317.4	2402.8	2576.8	2373.2
45°	2173.0	2189.4	2271.5	2376.5	2442.2	2471.7	2498.0	2527.5	2642.4	2849.2	2635.8
47.5°	2271.5	2284.6	2383.1	2514.4	2642.4	2658.8	2711.3	2744.2	2918.1	3128.2	2905.0
50°	2412.6	2402.8	2481.6	2671.9	2796.7	2875.5	2951.0	3010.0	3180.7	3410.5	3115.1
52.5°	2527.5	2527.5	2586.6	2839.4	3010.0	3085.5	3164.3	3246.4	3443.3	3692.8	3285.8
55°	2724.5	2704.8	2740.9	3003.5	3249.7	3321.9	3472.9	3541.8	3732.2	3902.9	3430.2
57.5°	2859.0	2868.9	2911.6	3220.1	3532.0	3620.6	3771.6	3820.8	3988.2	4122.8	3535.2
60°	3036.3	3003.5	3095.4	3459.7	3843.8	3968.5	4093.3	4122.8	4247.5	4264.0	3584.5
62.5°	3207.0	3200.4	3279.2	3699.4	4178.6	4267.2	4395.3	4428.1	4480.6	4375.6	3515.5
65°	3312.0	3354.7	3502.4	3962.0	4559.4	4657.9	4785.9	4720.2	4661.1	4277.1	3177.5
67.5°	3456.5	3476.2	3702.6	4247.5	4999.2	5146.9	5258.6	4999.2	4559.4	3873.3	2675.2
70°	3489.3	3541.8	3837.2	4546.2	5452.2	5603.2	5609.8	4904.0	4188.5	3151.2	1940.0
72.5°	3344.9	3381.0	3797.8	4671.0	5711.5	5823.1	5485.0	4434.6	3318.6	1985.9	1057.0
75°	2813.1	2914.9	3305.5	4286.9	5235.6	5192.9	4648.0	3384.2	1992.5	879.7	446.4
77.5°	1959.6	1962.9	2370.0	3118.4	3919.3	3909.4	3315.3	1962.9	853.4	354.5	262.6
80°	869.9	932.2	1178.4	1680.6	2379.8	2379.8	1933.4	974.9	426.7	229.8	180.5
82.5°	512.1	531.8	630.2	784.5	1158.7	1221.1	925.7	649.9	292.1	144.4	111.6
85°	377.5	410.3	469.4	472.7	548.2	558.0	512.1	564.6	200.2	78.8	91.9
87.5°	282.3	302.0	374.2	311.8	292.1	275.7	315.1	577.7	75.5	39.4	29.5
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°	1529.6	1529.6	1529.6	1529.6	1529.6	1529.6	1529.6	1529.6	1529.6	1529.6	1529.6
2.5°	1513.2	1513.2	1506.7	1493.5	1493.5	1467.3	1473.8	1480.4	1464.0	1464.0	1467.3
5°	1490.3	1477.1	1460.7	1441.0	1427.9	1391.8	1385.2	1362.2	1359.0	1352.4	1342.5
7.5°	1444.3	1424.6	1395.1	1365.5	1322.8	1290.0	1250.6	1217.8	1204.7	1194.8	1191.5
10°	1401.6	1398.3	1349.1	1290.0	1224.4	1162.0	1102.9	1060.2	1034.0	1017.6	1014.3
12.5°	1401.6	1375.4	1306.4	1224.4	1129.2	1037.3	961.8	902.7	866.6	840.3	830.5
15°	1395.1	1368.8	1276.9	1152.2	1043.8	919.1	814.1	751.7	699.2	672.9	676.2
17.5°	1401.6	1362.2	1234.2	1099.6	948.6	814.1	689.3	613.8	561.3	541.6	538.3
20°	1404.9	1355.7	1201.4	1027.4	850.2	699.2	581.0	508.8	469.4	456.3	456.3
22.5°	1398.3	1336.0	1152.2	942.1	764.8	604.0	505.5	443.1	416.9	400.5	407.0
25°	1427.9	1332.7	1106.2	869.9	666.3	525.2	449.7	403.7	387.3	377.5	380.8
27.5°	1434.4	1332.7	1070.1	787.8	581.0	466.1	407.0	377.5	364.4	357.8	354.5
30°	1460.7	1339.3	1027.4	705.7	512.1	420.2	374.2	357.8	347.9	344.7	344.7
32.5°	1532.9	1359.0	981.5	636.8	453.0	380.8	351.2	338.1	331.5	328.2	331.5
35°	1618.3	1411.5	932.2	564.6	410.3	354.5	331.5	321.7	318.4	318.4	318.4
37.5°	1749.6	1490.3	889.6	505.5	374.2	328.2	311.8	308.6	305.3	308.6	308.6
40°	1900.6	1575.6	850.2	459.5	347.9	311.8	295.4	295.4	292.1	295.4	298.7
42.5°	2074.5	1680.6	810.8	413.6	325.0	298.7	285.6	282.3	279.0	285.6	288.9
45°	2314.2	1825.1	784.5	387.3	308.6	285.6	272.4	272.4	269.2	269.2	275.7
47.5°	2514.4	1962.9	784.5	361.1	298.7	275.7	262.6	262.6	256.0	259.3	259.3
50°	2681.8	2081.1	800.9	354.5	285.6	265.9	256.0	249.5	246.2	246.2	246.2
52.5°	2793.4	2153.3	814.1	347.9	279.0	252.8	246.2	242.9	236.3	233.1	236.3
55°	2905.0	2202.6	817.3	347.9	269.2	239.6	233.1	233.1	226.5	223.2	223.2
57.5°	2947.7	2182.9	771.4	341.4	262.6	229.8	223.2	219.9	216.6	213.4	213.4
60°	2928.0	2110.6	669.6	325.0	256.0	223.2	210.1	210.1	210.1	203.5	206.8
62.5°	2793.4	1864.5	538.3	298.7	246.2	210.1	196.9	203.5	203.5	200.2	200.2
65°	2438.9	1539.5	436.6	275.7	233.1	200.2	187.1	196.9	200.2	196.9	193.7
67.5°	1949.8	1185.0	361.1	249.5	216.6	183.8	174.0	183.8	187.1	183.8	183.8
70°	1339.3	764.8	292.1	223.2	193.7	167.4	157.6	164.1	164.1	167.4	167.4
72.5°	692.6	413.6	239.6	190.4	167.4	151.0	141.1	141.1	137.9	137.9	137.9
75°	344.7	282.3	200.2	160.8	141.1	128.0	121.5	114.9	114.9	114.9	114.9
77.5°	239.6	216.6	164.1	128.0	114.9	105.0	105.0	95.2	95.2	95.2	95.2
80°	180.5	170.7	124.7	98.5	88.6	82.1	82.1	78.8	78.8	75.5	75.5
82.5°	128.0	137.9	95.2	72.2	65.6	62.4	62.4	59.1	59.1	52.5	52.5
85°	101.8	114.9	72.2	52.5	49.2	42.7	42.7	39.4	39.4	36.1	32.8
87.5°	29.5	62.4	29.5	19.7	19.7	19.7	19.7	16.4	16.4	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)