

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: P674970

Luminaire Tested: **CCW-SA-1D-735-U-T3**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674970  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1D-735-U-T3  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/  
T3 distribution lens  
Light Source: (16) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

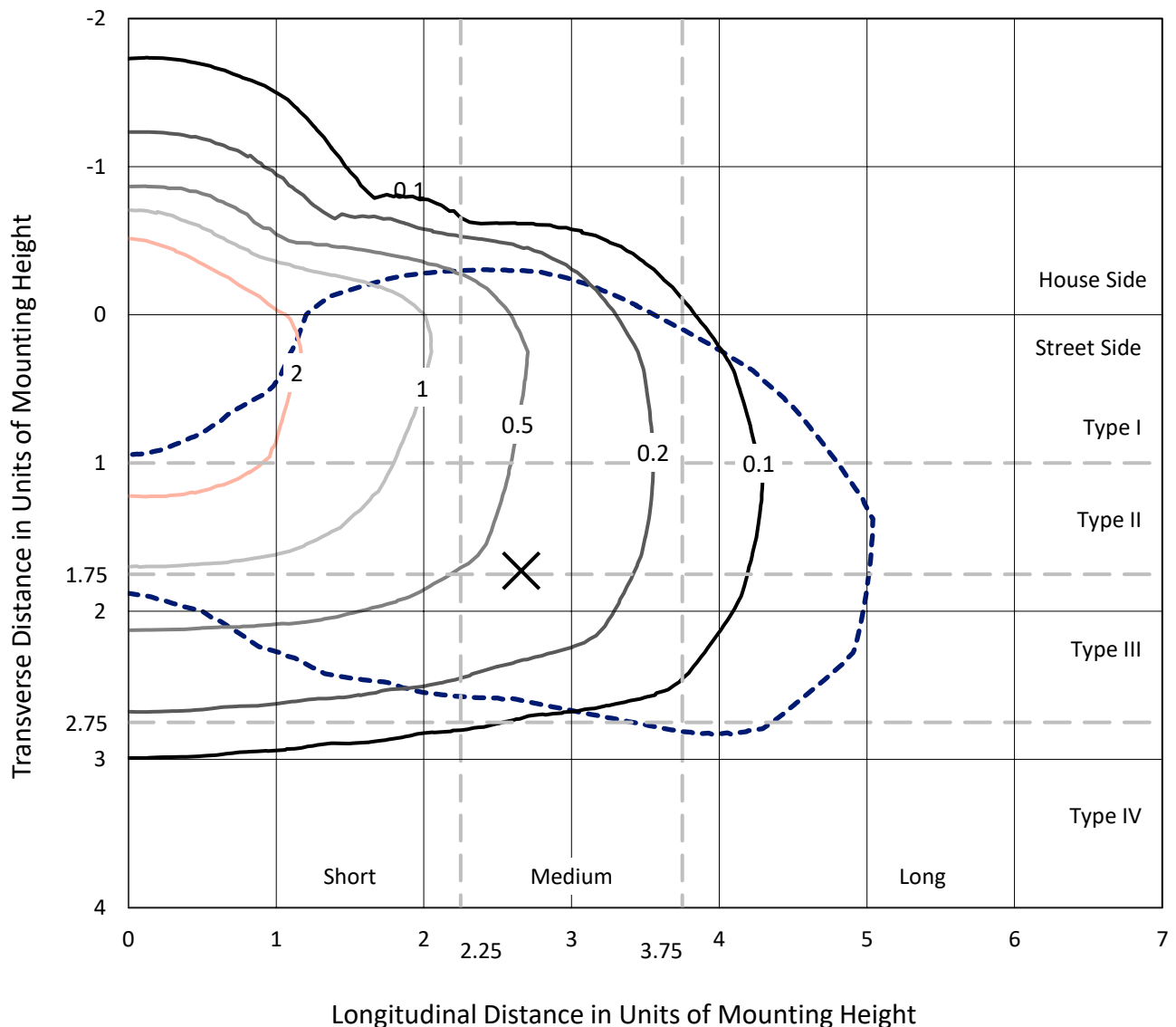
Lumens per Lamp: N/A  
Luminaire Lumens: 5557.6 lumens  
Efficiency: N/A  
Efficacy: 126.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 44  
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

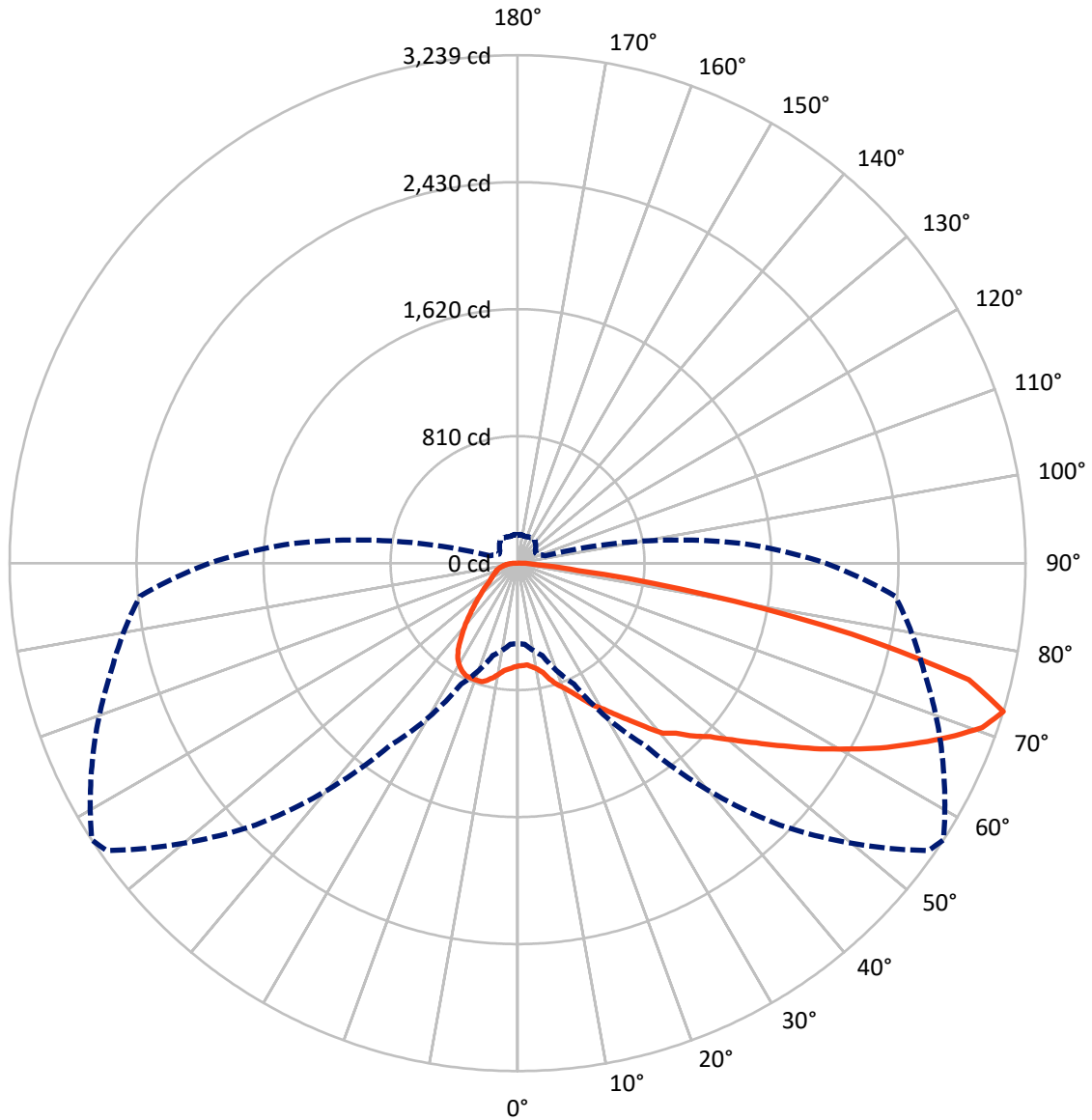
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.3 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1297.9	0.0	1297.9
	% Fixture	23.4	0.0	23.4
<b>Street Side</b>	Lumens	4259.7	0.0	4259.7
	% Fixture	76.6	0.0	76.6
<b>Total</b>	Lumens	5557.6	0.0	5557.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.1	1.2
10°-20°	219.4	3.9
20°-30°	401.2	7.2
30°-40°	588.5	10.6
40°-50°	810.3	14.6
50°-60°	1111.2	20.0
60°-70°	1339.5	24.1
70°-80°	892.3	16.1
80°-90°	130.0	2.3
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°	5557.6	100.0
0°-180°	5557.6	100.0



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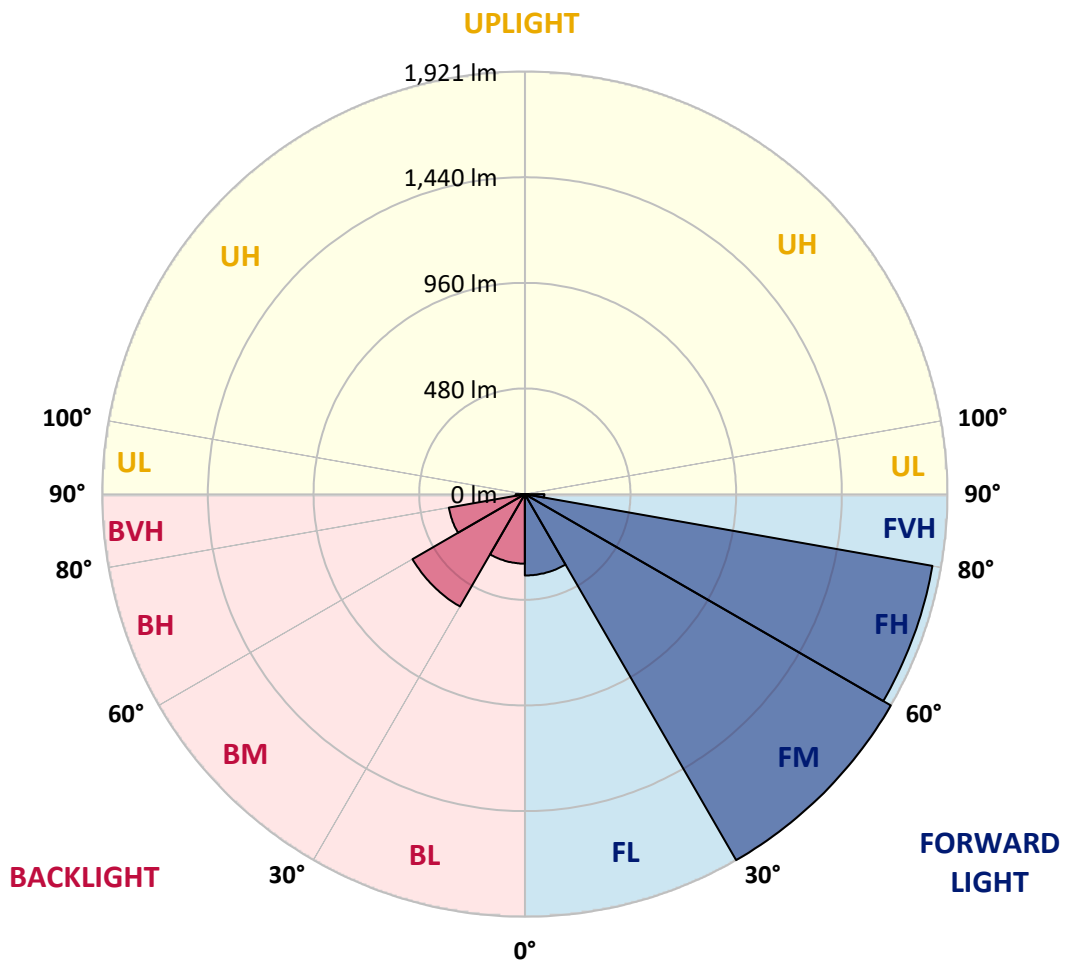
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	369.7	6.7			
FM (30°-60°)	1920.6	34.6			
FH (60°-80°)	1880.9	33.8			G2/5000
FVH (80°-90°)	88.5	1.6			G1/100
BL (0°-30°)	316.0	5.7	B1/500		
BM (30°-60°)	589.5	10.6	B1/1000		
BH (60°-80°)	350.9	6.3	B1/500		G1/500
BVH (80°-90°)	41.5	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	656.0	656.0	656.0	656.0	656.0	656.0	656.0	656.0	656.0	656.0	656.0
2.5°	643.8	645.9	649.9	647.9	647.9	641.8	651.9	654.0	649.9	651.9	656.0
5°	643.8	647.9	654.0	649.9	651.9	649.9	645.9	651.9	651.9	654.0	660.0
7.5°	678.2	676.2	676.2	670.1	668.1	666.1	668.1	668.1	664.1	666.1	666.1
10°	716.7	716.7	712.7	712.7	708.6	698.5	688.4	686.3	680.3	682.3	682.3
12.5°	757.2	761.3	765.3	753.2	749.1	732.9	726.8	714.7	714.7	710.6	708.6
15°	807.8	801.7	805.8	801.7	791.6	775.4	765.3	767.3	753.2	749.1	743.0
17.5°	852.4	854.4	848.3	844.3	826.0	813.9	815.9	813.9	795.7	789.6	779.5
20°	905.0	903.0	903.0	890.8	874.6	858.4	852.4	850.3	854.4	842.2	817.9
22.5°	959.7	951.6	951.6	941.4	919.2	909.1	905.0	896.9	901.0	890.8	854.4
25°	1004.2	1004.2	1018.4	998.1	986.0	965.7	957.6	959.7	961.7	941.4	898.9
27.5°	1062.9	1052.8	1067.0	1056.8	1050.8	1028.5	1018.4	1024.5	1020.4	998.1	939.4
30°	1137.8	1139.9	1131.8	1117.6	1109.5	1093.3	1087.2	1081.1	1087.2	1058.9	984.0
32.5°	1231.0	1237.0	1216.8	1200.6	1186.4	1170.2	1158.1	1152.0	1158.1	1115.6	1018.4
35°	1338.3	1344.3	1328.1	1309.9	1293.7	1253.2	1243.1	1233.0	1210.7	1141.9	1050.8
37.5°	1437.5	1429.4	1425.3	1425.3	1395.0	1336.2	1330.2	1324.1	1281.6	1194.5	1095.3
40°	1504.3	1514.4	1510.4	1506.3	1502.3	1447.6	1435.5	1425.3	1354.5	1273.5	1158.1
42.5°	1579.2	1573.1	1589.3	1595.4	1581.2	1565.0	1516.4	1482.0	1419.3	1354.5	1251.2
45°	1668.3	1664.2	1670.3	1692.6	1672.3	1678.4	1597.4	1573.1	1494.2	1455.7	1368.6
47.5°	1747.2	1757.4	1787.7	1793.8	1777.6	1806.0	1692.6	1654.1	1603.5	1573.1	1490.1
50°	1781.7	1793.8	1862.6	1905.2	1907.2	1951.7	1787.7	1771.5	1702.7	1714.8	1642.0
52.5°	1753.3	1791.8	1874.8	1986.1	2055.0	2099.5	1913.3	1905.2	1842.4	1880.9	1808.0
55°	1779.6	1816.1	1870.7	2026.6	2200.8	2210.9	2087.4	2057.0	1994.2	2046.9	1980.1
57.5°	1791.8	1771.5	1874.8	2071.2	2308.1	2334.4	2253.4	2231.1	2182.5	2233.1	2194.7
60°	1696.6	1720.9	1818.1	2059.0	2314.1	2466.0	2439.7	2407.3	2362.7	2409.3	2387.0
62.5°	1589.3	1605.5	1710.8	1986.1	2348.6	2561.1	2619.9	2595.6	2532.8	2573.3	2611.8
65°	1453.7	1455.7	1573.1	1856.6	2281.7	2615.8	2777.8	2775.7	2731.2	2721.1	2781.8
67.5°	1287.7	1303.9	1397.0	1718.9	2190.6	2676.5	2933.7	2964.0	2875.0	2796.0	2818.3
70°	988.0	1004.2	1093.3	1409.1	2004.4	2658.3	3126.0	3142.2	2968.1	2767.6	2711.0
72.5°	514.3	518.3	609.4	850.3	1421.3	2360.7	3196.9	3239.4	2992.4	2684.6	2417.4
75°	170.1	170.1	208.5	323.9	670.1	1510.4	2895.2	2972.1	2872.9	2478.1	1978.0
77.5°	101.2	103.3	123.5	162.0	267.2	603.3	2040.8	2176.5	2350.6	2107.6	1445.6
80°	72.9	74.9	93.1	111.4	159.9	194.4	1024.5	1212.7	1443.6	1356.5	771.4
82.5°	54.7	54.7	72.9	83.0	109.3	115.4	285.5	390.8	623.6	485.9	212.6
85°	56.7	56.7	56.7	58.7	74.9	66.8	119.5	127.6	182.2	159.9	58.7
87.5°	20.2	22.3	56.7	38.5	38.5	28.3	46.6	50.6	64.8	66.8	22.3
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°	656.0	656.0	656.0	656.0	656.0	656.0	656.0	656.0	656.0	656.0	656.0
2.5°	658.0	658.0	660.0	660.0	664.1	668.1	674.2	670.1	670.1	672.2	670.1
5°	656.0	658.0	664.1	674.2	678.2	680.3	692.4	692.4	692.4	696.5	696.5
7.5°	664.1	668.1	678.2	688.4	690.4	696.5	712.7	716.7	726.8	730.9	732.9
10°	684.3	690.4	698.5	710.6	718.7	726.8	739.0	753.2	751.1	763.3	765.3
12.5°	714.7	712.7	726.8	739.0	747.1	759.2	763.3	763.3	763.3	763.3	767.3
15°	739.0	743.0	755.2	763.3	773.4	771.4	763.3	755.2	757.2	755.2	755.2
17.5°	775.4	775.4	785.6	787.6	791.6	771.4	759.2	759.2	765.3	765.3	761.3
20°	811.9	809.8	813.9	811.9	785.6	761.3	759.2	761.3	763.3	761.3	759.2
22.5°	846.3	842.2	836.2	828.1	781.5	759.2	755.2	745.1	734.9	734.9	728.9
25°	876.7	872.6	856.4	832.1	779.5	747.1	726.8	702.5	690.4	684.3	692.4
27.5°	905.0	896.9	874.6	832.1	761.3	714.7	676.2	645.9	635.7	627.6	635.7
30°	943.5	929.3	898.9	826.0	732.9	664.1	611.4	575.0	564.9	552.7	556.8
32.5°	977.9	945.5	919.2	807.8	696.5	607.4	546.6	510.2	492.0	481.9	490.0
35°	1014.3	981.9	927.3	779.5	639.8	538.5	477.8	443.4	429.2	415.0	415.0
37.5°	1050.8	1032.6	939.4	726.8	570.9	473.8	419.1	392.8	368.5	342.2	342.2
40°	1127.7	1103.4	953.6	666.1	502.1	411.0	372.5	338.1	313.8	277.4	275.3
42.5°	1208.7	1156.1	953.6	593.2	441.4	366.5	330.0	293.6	249.0	226.8	228.8
45°	1312.0	1251.2	927.3	528.4	380.6	330.0	289.5	243.0	222.7	208.5	208.5
47.5°	1441.5	1346.4	894.9	457.6	332.0	297.6	247.0	218.7	204.5	192.3	190.3
50°	1595.4	1433.4	854.4	396.8	291.5	267.2	224.7	202.5	190.3	182.2	182.2
52.5°	1757.4	1561.0	826.0	342.2	259.2	226.8	208.5	194.4	184.2	178.2	176.1
55°	1921.4	1688.5	805.8	283.4	228.8	208.5	204.5	192.3	188.3	182.2	178.2
57.5°	2105.6	1793.8	801.7	243.0	204.5	200.4	208.5	198.4	192.3	186.3	180.2
60°	2304.0	1935.5	765.3	210.6	192.3	196.4	202.5	192.3	188.3	182.2	178.2
62.5°	2500.4	2040.8	666.1	186.3	180.2	184.2	192.3	184.2	178.2	180.2	182.2
65°	2581.4	2048.9	516.3	168.0	166.0	168.0	180.2	178.2	172.1	184.2	184.2
67.5°	2500.4	1976.0	364.4	151.8	151.8	162.0	182.2	186.3	180.2	196.4	194.4
70°	2316.2	1795.8	247.0	141.7	145.8	172.1	188.3	184.2	176.1	196.4	192.3
72.5°	1965.9	1437.5	180.2	131.6	137.7	164.0	186.3	182.2	176.1	184.2	176.1
75°	1475.9	1022.4	141.7	119.5	121.5	147.8	192.3	182.2	166.0	162.0	155.9
77.5°	986.0	631.7	109.3	105.3	105.3	129.6	184.2	170.1	149.8	143.7	141.7
80°	469.7	253.1	87.1	89.1	91.1	111.4	168.0	151.8	135.6	127.6	127.6
82.5°	149.8	95.2	72.9	72.9	72.9	91.1	139.7	127.6	117.4	111.4	101.2
85°	52.6	52.6	62.8	64.8	58.7	66.8	115.4	109.3	97.2	81.0	79.0
87.5°	20.2	30.4	42.5	50.6	36.4	46.6	83.0	76.9	70.9	52.6	50.6
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)