

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: P674963

Luminaire Tested: **CCW-SA-2B-730-U-T3**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674963  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-2B-730-U-T3  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/  
T3 distribution lens  
Light Source: (32) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

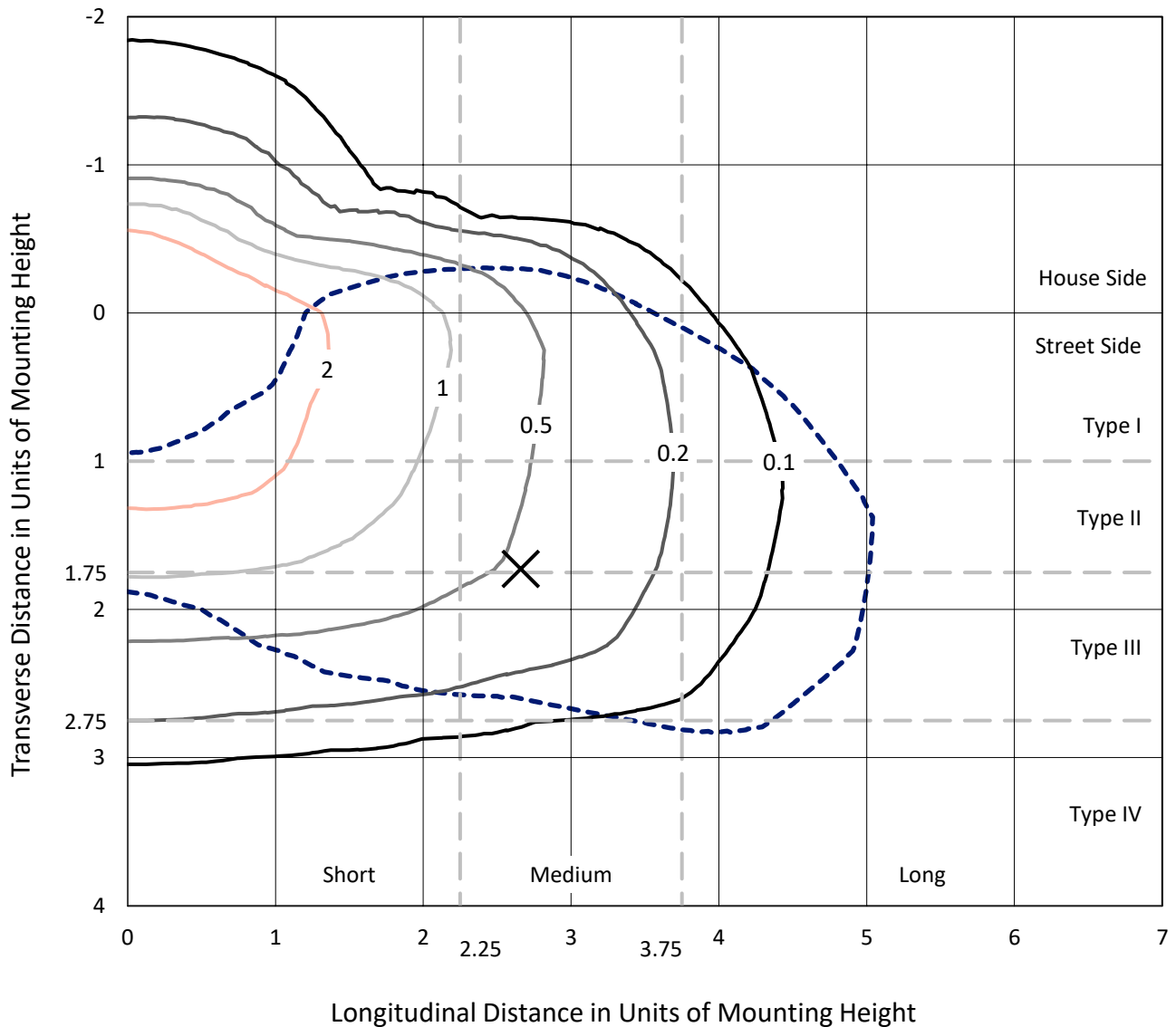
Lumens per Lamp: N/A  
Luminaire Lumens: 6354.1 lumens  
Efficiency: N/A  
Efficacy: 138.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 46  
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

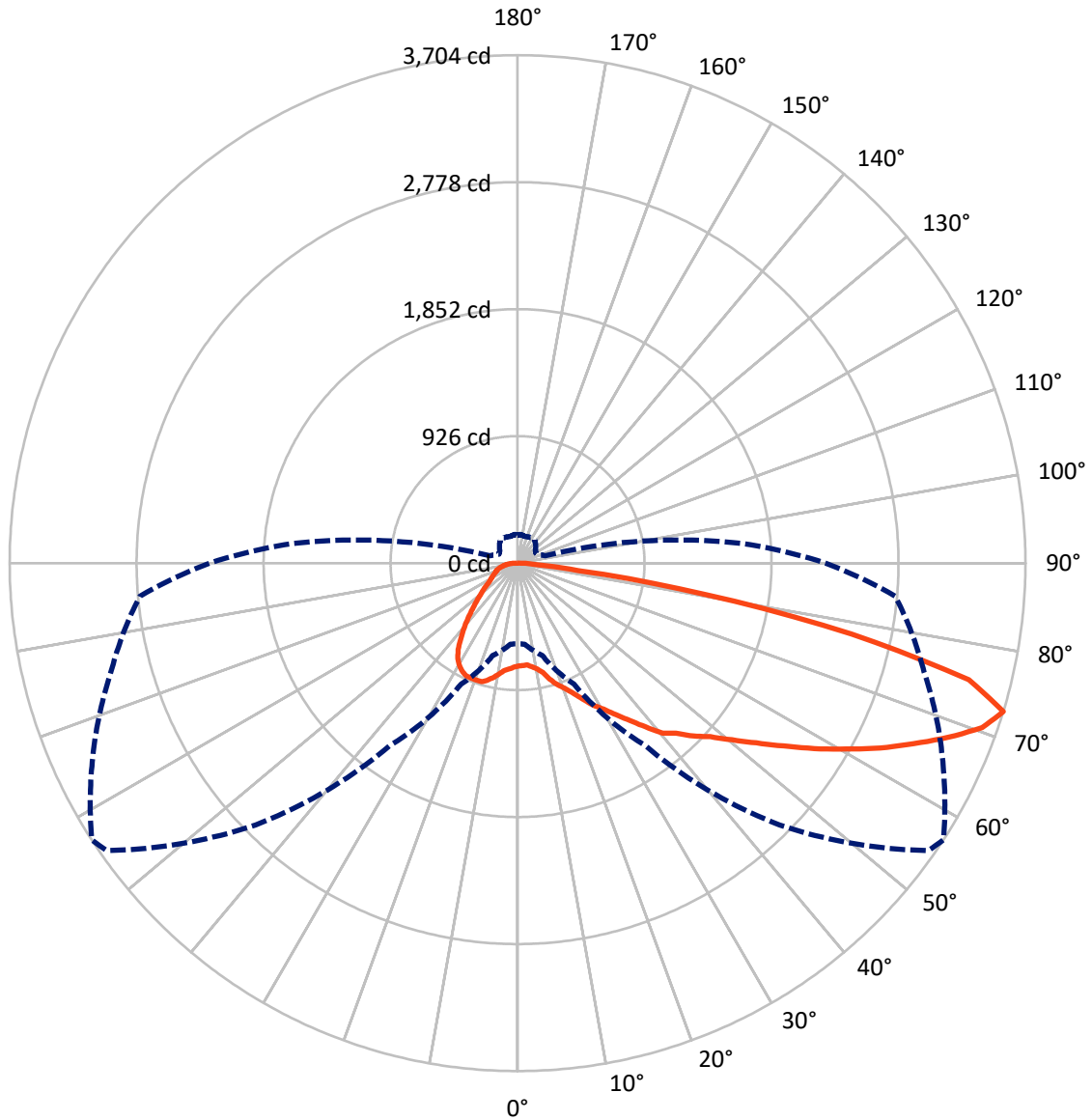
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.8 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	1483.9	0.0	1483.9
	% Fixture	23.4	0.0	23.4
<b>Street Side</b>	Lumens	4870.2	0.0	4870.2
	% Fixture	76.6	0.0	76.6
<b>Total</b>	Lumens	6354.1	0.0	6354.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.4	1.2
10°-20°	250.9	3.9
20°-30°	458.7	7.2
30°-40°	672.9	10.6
40°-50°	926.5	14.6
50°-60°	1270.5	20.0
60°-70°	1531.5	24.1
70°-80°	1020.2	16.1
80°-90°	148.6	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°	6354.1	100.0
0°-180°	6354.1	100.0



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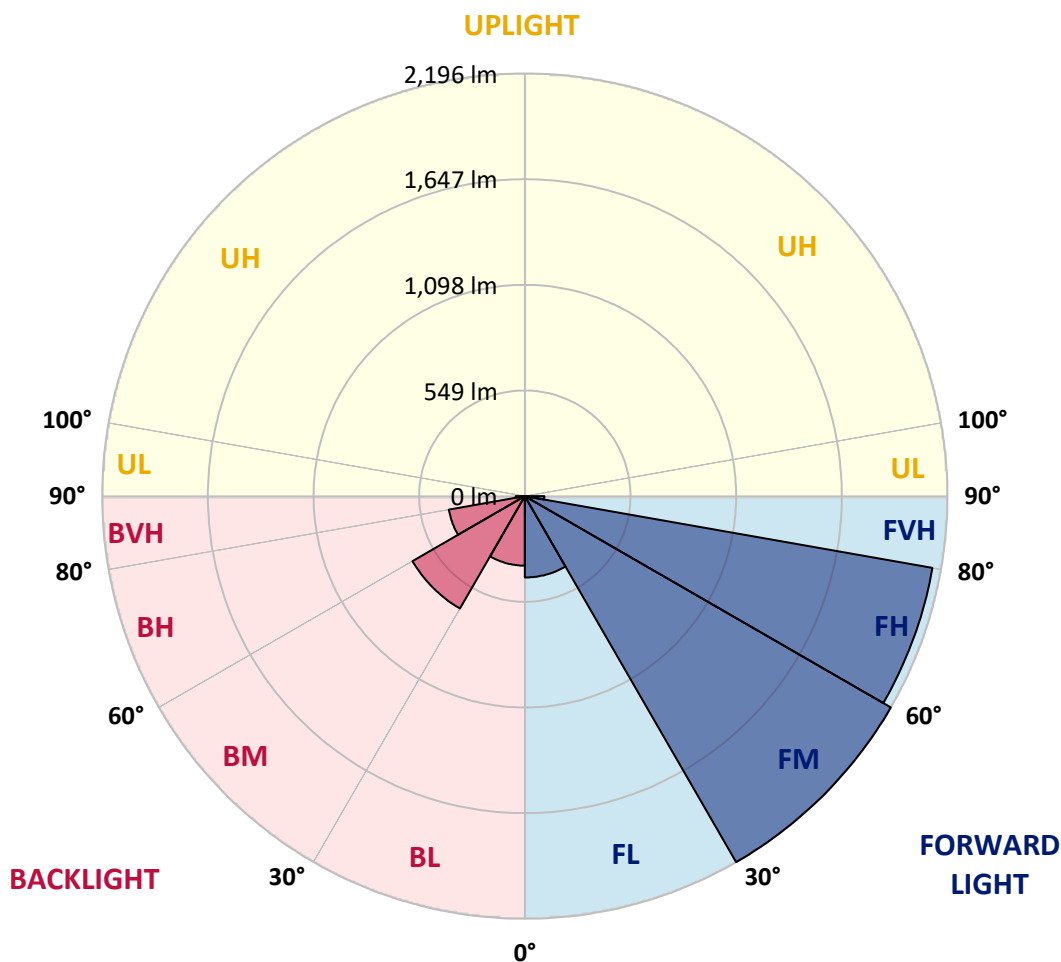
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	422.7	6.7			
FM (30°-60°)	2195.8	34.6			
FH (60°-80°)	2150.5	33.8			G2/5000
FVH (80°-90°)	101.2	1.6			G2/225
BL (0°-30°)	361.3	5.7	B1/500		
BM (30°-60°)	674.0	10.6	B1/1000		
BH (60°-80°)	401.2	6.3	B1/500		G1/500
BVH (80°-90°)	47.4	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°	750.0	750.0	750.0	750.0	750.0	750.0	750.0	750.0	750.0	750.0	750.0
2.5°	736.1	738.4	743.0	740.7	740.7	733.8	745.4	747.7	743.0	745.4	750.0
5°	736.1	740.7	747.7	743.0	745.4	743.0	738.4	745.4	745.4	747.7	754.6
7.5°	775.4	773.1	773.1	766.2	763.9	761.6	763.9	763.9	759.2	761.6	761.6
10°	819.4	819.4	814.8	814.8	810.2	798.6	787.0	784.7	777.8	780.1	780.1
12.5°	865.7	870.4	875.0	861.1	856.5	837.9	831.0	817.1	817.1	812.5	810.2
15°	923.6	916.6	921.3	916.6	905.1	886.6	875.0	877.3	861.1	856.5	849.5
17.5°	974.5	976.8	969.9	965.3	944.4	930.5	932.9	930.5	909.7	902.8	891.2
20°	1034.7	1032.4	1032.4	1018.5	1000.0	981.5	974.5	972.2	976.8	962.9	935.2
22.5°	1097.2	1087.9	1087.9	1076.4	1050.9	1039.3	1034.7	1025.4	1030.1	1018.5	976.8
25°	1148.1	1148.1	1164.3	1141.2	1127.3	1104.1	1094.9	1097.2	1099.5	1076.4	1027.8
27.5°	1215.3	1203.7	1219.9	1208.3	1201.4	1175.9	1164.3	1171.3	1166.6	1141.2	1074.1
30°	1300.9	1303.2	1294.0	1277.8	1268.5	1250.0	1243.0	1236.1	1243.0	1210.6	1125.0
32.5°	1407.4	1414.3	1391.2	1372.7	1356.5	1337.9	1324.0	1317.1	1324.0	1275.4	1164.3
35°	1530.1	1537.0	1518.5	1497.7	1479.1	1432.8	1421.3	1409.7	1384.2	1305.5	1201.4
37.5°	1643.5	1634.2	1629.6	1629.6	1594.9	1527.7	1520.8	1513.9	1465.3	1365.7	1252.3
40°	1719.9	1731.4	1726.8	1722.2	1717.6	1655.1	1641.2	1629.6	1548.6	1456.0	1324.0
42.5°	1805.5	1798.6	1817.1	1824.0	1807.8	1789.3	1733.8	1694.4	1622.7	1548.6	1430.5
45°	1907.4	1902.7	1909.7	1935.1	1912.0	1918.9	1826.4	1798.6	1708.3	1664.3	1564.8
47.5°	1997.6	2009.2	2043.9	2050.9	2032.4	2064.8	1935.1	1891.2	1833.3	1798.6	1703.7
50°	2037.0	2050.9	2129.6	2178.2	2180.5	2231.4	2043.9	2025.4	1946.7	1960.6	1877.3
52.5°	2004.6	2048.6	2143.5	2270.8	2349.5	2400.4	2187.5	2178.2	2106.4	2150.4	2067.1
55°	2034.7	2076.3	2138.8	2317.1	2516.2	2527.7	2386.5	2351.8	2280.0	2340.2	2263.8
57.5°	2048.6	2025.4	2143.5	2368.0	2638.8	2668.9	2576.3	2550.9	2495.3	2553.2	2509.2
60°	1939.8	1967.6	2078.7	2354.1	2645.8	2819.4	2789.3	2752.3	2701.3	2754.6	2729.1
62.5°	1817.1	1835.6	1956.0	2270.8	2685.1	2928.2	2995.3	2967.5	2895.8	2942.1	2986.1
65°	1662.0	1664.3	1798.6	2122.6	2608.7	2990.7	3175.9	3173.6	3122.6	3111.1	3180.5
67.5°	1472.2	1490.7	1597.2	1965.2	2504.6	3060.1	3354.1	3388.8	3287.0	3196.7	3222.2
70°	1129.6	1148.1	1250.0	1611.1	2291.6	3039.3	3574.0	3592.5	3393.5	3164.3	3099.5
72.5°	588.0	592.6	696.7	972.2	1625.0	2699.0	3655.0	3703.6	3421.2	3069.4	2763.8
75°	194.4	194.4	238.4	370.4	766.2	1726.8	3310.1	3398.1	3284.7	2833.3	2261.5
77.5°	115.7	118.1	141.2	185.2	305.5	689.8	2333.3	2488.4	2687.4	2409.7	1652.7
80°	83.3	85.6	106.5	127.3	182.9	222.2	1171.3	1386.5	1650.4	1550.9	881.9
82.5°	62.5	62.5	83.3	94.9	125.0	131.9	326.4	446.8	712.9	555.5	243.1
85°	64.8	64.8	64.8	67.1	85.6	76.4	136.6	145.8	208.3	182.9	67.1
87.5°	23.1	25.5	64.8	44.0	44.0	32.4	53.2	57.9	74.1	76.4	25.5
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°	750.0	750.0	750.0	750.0	750.0	750.0	750.0	750.0	750.0	750.0	750.0
2.5°	752.3	752.3	754.6	754.6	759.2	763.9	770.8	766.2	766.2	768.5	766.2
5°	750.0	752.3	759.2	770.8	775.4	777.8	791.7	791.7	791.7	796.3	796.3
7.5°	759.2	763.9	775.4	787.0	789.3	796.3	814.8	819.4	831.0	835.6	837.9
10°	782.4	789.3	798.6	812.5	821.7	831.0	844.9	861.1	858.8	872.7	875.0
12.5°	817.1	814.8	831.0	844.9	854.2	868.0	872.7	872.7	872.7	872.7	877.3
15°	844.9	849.5	863.4	872.7	884.2	881.9	872.7	863.4	865.7	863.4	863.4
17.5°	886.6	886.6	898.1	900.4	905.1	881.9	868.0	868.0	875.0	875.0	870.4
20°	928.2	925.9	930.5	928.2	898.1	870.4	868.0	870.4	872.7	870.4	868.0
22.5°	967.6	962.9	956.0	946.7	893.5	868.0	863.4	851.8	840.3	840.3	833.3
25°	1002.3	997.7	979.1	951.4	891.2	854.2	831.0	803.2	789.3	782.4	791.7
27.5°	1034.7	1025.4	1000.0	951.4	870.4	817.1	773.1	738.4	726.8	717.6	726.8
30°	1078.7	1062.5	1027.8	944.4	837.9	759.2	699.1	657.4	645.8	631.9	636.6
32.5°	1118.0	1081.0	1050.9	923.6	796.3	694.4	625.0	583.3	562.5	550.9	560.2
35°	1159.7	1122.7	1060.2	891.2	731.5	615.7	546.3	506.9	490.7	474.5	474.5
37.5°	1201.4	1180.5	1074.1	831.0	652.8	541.7	479.2	449.1	421.3	391.2	391.2
40°	1289.3	1261.6	1090.3	761.6	574.1	469.9	425.9	386.6	358.8	317.1	314.8
42.5°	1381.9	1321.7	1090.3	678.2	504.6	419.0	377.3	335.6	284.7	259.3	261.6
45°	1500.0	1430.5	1060.2	604.2	435.2	377.3	331.0	277.8	254.6	238.4	238.4
47.5°	1648.1	1539.3	1023.1	523.1	379.6	340.3	282.4	250.0	233.8	219.9	217.6
50°	1824.0	1638.9	976.8	453.7	333.3	305.5	256.9	231.5	217.6	208.3	208.3
52.5°	2009.2	1784.7	944.4	391.2	296.3	259.3	238.4	222.2	210.6	203.7	201.4
55°	2196.7	1930.5	921.3	324.1	261.6	238.4	233.8	219.9	215.3	208.3	203.7
57.5°	2407.4	2050.9	916.6	277.8	233.8	229.2	238.4	226.8	219.9	213.0	206.0
60°	2634.2	2212.9	875.0	240.7	219.9	224.5	231.5	219.9	215.3	208.3	203.7
62.5°	2858.7	2333.3	761.6	213.0	206.0	210.6	219.9	210.6	203.7	206.0	208.3
65°	2951.3	2342.5	590.3	192.1	189.8	192.1	206.0	203.7	196.8	210.6	210.6
67.5°	2858.7	2259.2	416.7	173.6	173.6	185.2	208.3	213.0	206.0	224.5	222.2
70°	2648.1	2053.2	282.4	162.0	166.7	196.8	215.3	210.6	201.4	224.5	219.9
72.5°	2247.6	1643.5	206.0	150.5	157.4	187.5	213.0	208.3	201.4	210.6	201.4
75°	1687.5	1169.0	162.0	136.6	138.9	169.0	219.9	208.3	189.8	185.2	178.2
77.5°	1127.3	722.2	125.0	120.4	120.4	148.1	210.6	194.4	171.3	164.3	162.0
80°	537.0	289.3	99.5	101.8	104.2	127.3	192.1	173.6	155.1	145.8	145.8
82.5°	171.3	108.8	83.3	83.3	83.3	104.2	159.7	145.8	134.3	127.3	115.7
85°	60.2	60.2	71.8	74.1	67.1	76.4	131.9	125.0	111.1	92.6	90.3
87.5°	23.1	34.7	48.6	57.9	41.7	53.2	94.9	88.0	81.0	60.2	57.9
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)