

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: P674982

Luminaire Tested: **CCW-SA-1E-740-U-T3**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674982  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1E-740-U-T3  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/  
T3 distribution lens  
Light Source: (16) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

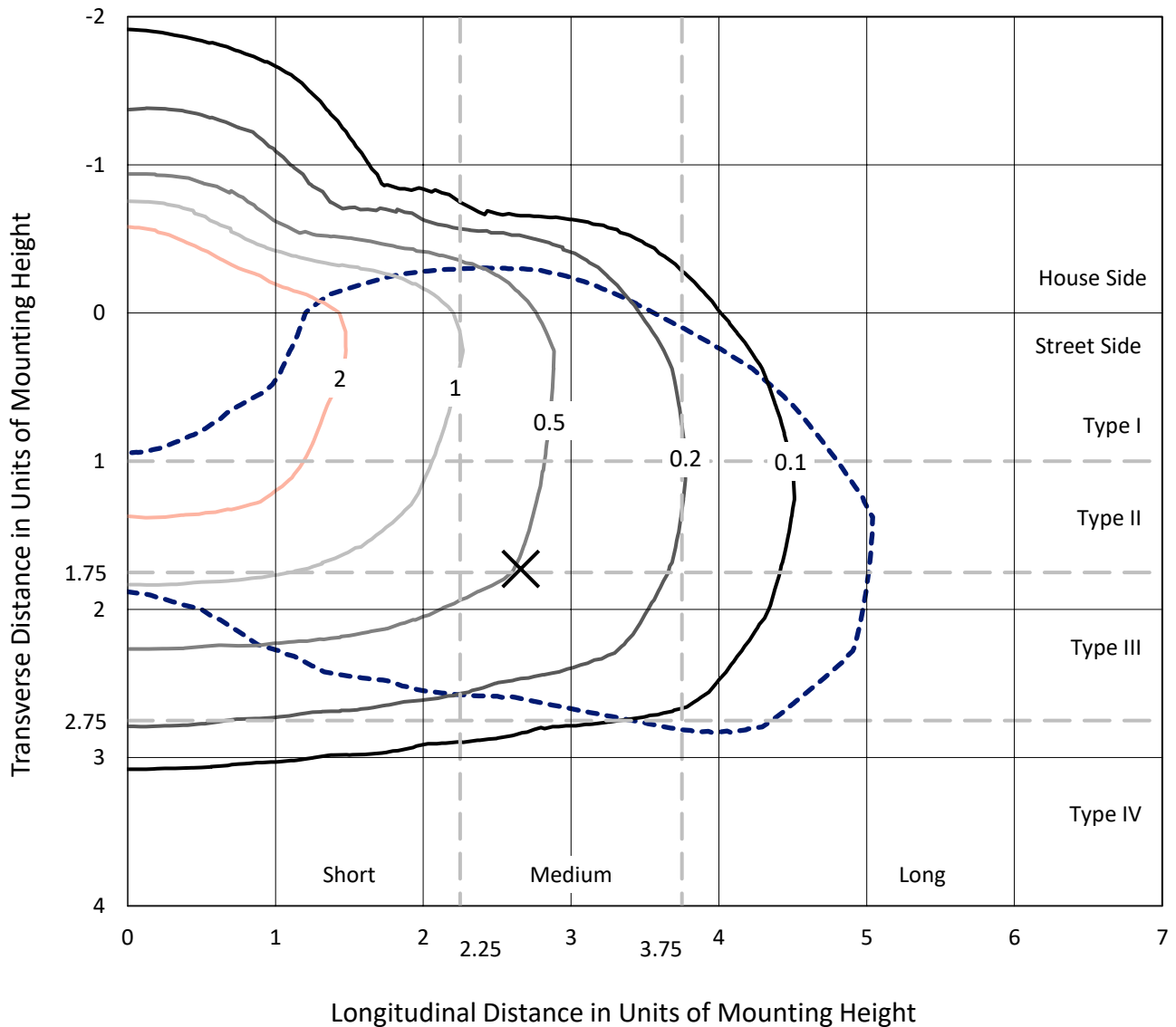
Lumens per Lamp: N/A  
Luminaire Lumens: 6908 lumens  
Efficiency: N/A  
Efficacy: 123.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 56.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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

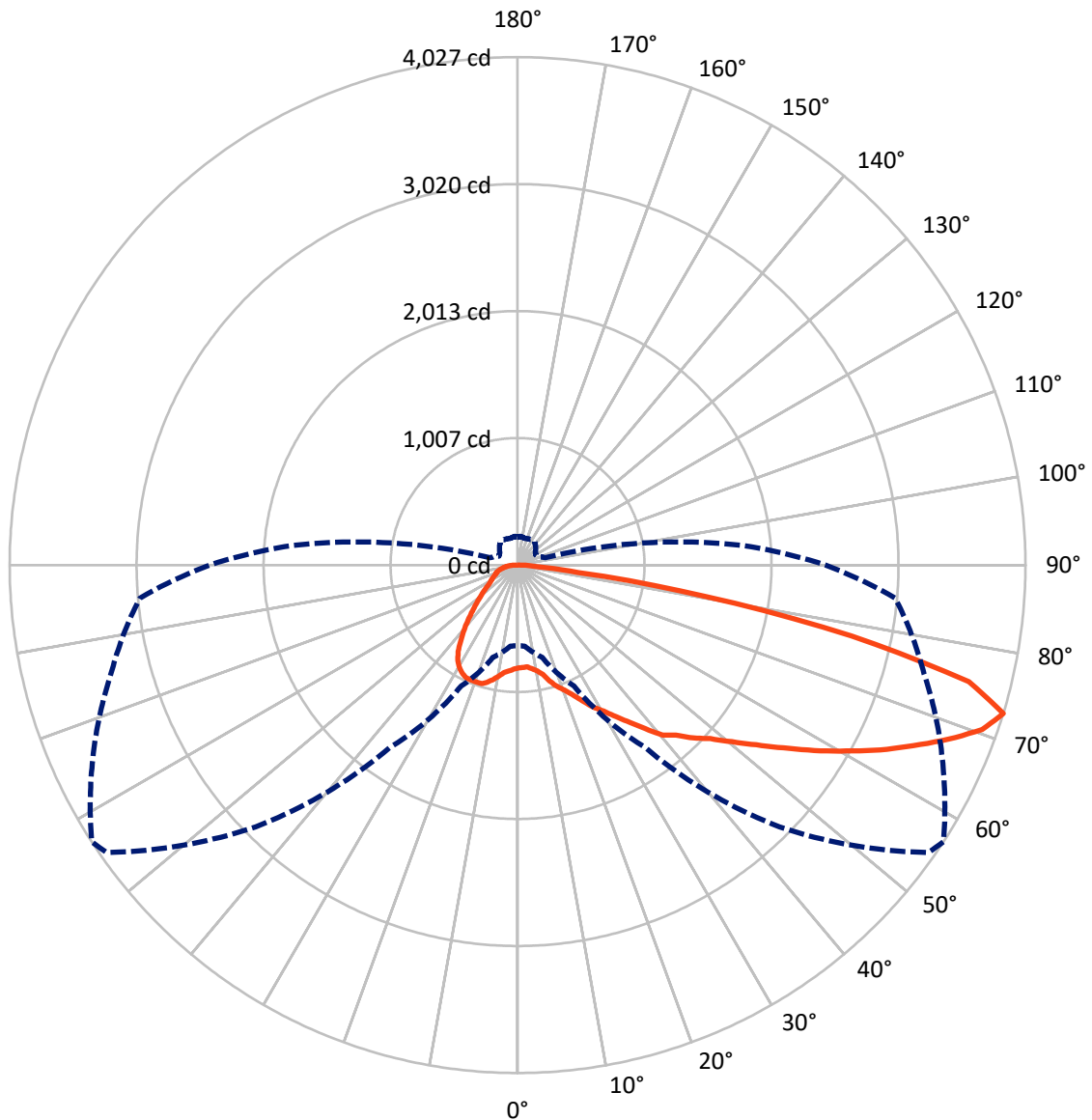
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.2 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	1613.3	0.0	1613.3
	% Fixture	23.4	0.0	23.4
<b>Street Side</b>	Lumens	5294.8	0.0	5294.8
	% Fixture	76.6	0.0	76.6
<b>Total</b>	Lumens	6908.0	0.0	6908.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.9	1.2
10°-20°	272.8	3.9
20°-30°	498.6	7.2
30°-40°	731.5	10.6
40°-50°	1007.2	14.6
50°-60°	1381.2	20.0
60°-70°	1665.0	24.1
70°-80°	1109.1	16.1
80°-90°	161.5	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°	6908.0	100.0
0°-180°	6908.0	100.0

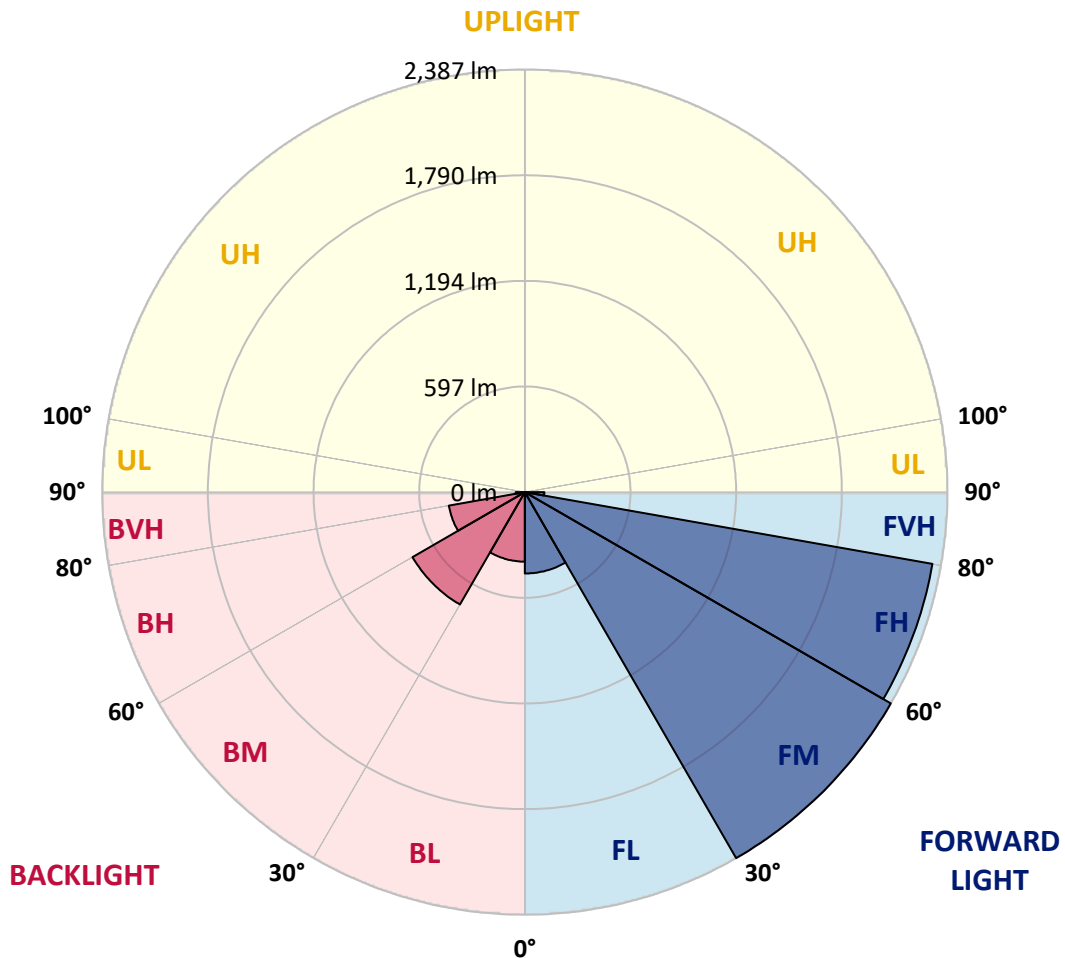


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	459.6	6.7			
FM (30°-60°)	2387.3	34.6			
FH (60°-80°)	2337.9	33.8			G2/5000
FVH (80°-90°)	110.0	1.6			G2/225
BL (0°-30°)	392.8	5.7	B1/500		
BM (30°-60°)	732.8	10.6	B1/1000		
BH (60°-80°)	436.2	6.3	B1/500		G1/500
BVH (80°-90°)	51.5	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°	815.4	815.4	815.4	815.4	815.4	815.4	815.4	815.4	815.4	815.4	815.4
2.5°	800.3	802.8	807.8	805.3	805.3	797.8	810.3	812.9	807.8	810.3	815.4
5°	800.3	805.3	812.9	807.8	810.3	807.8	802.8	810.3	810.3	812.9	820.4
7.5°	843.1	840.5	840.5	833.0	830.5	828.0	830.5	830.5	825.4	828.0	828.0
10°	890.9	890.9	885.8	885.8	880.8	868.2	855.6	853.1	845.6	848.1	848.1
12.5°	941.2	946.2	951.3	936.2	931.1	911.0	903.4	888.3	888.3	883.3	880.8
15°	1004.1	996.6	1001.6	996.6	984.0	963.8	951.3	953.8	936.2	931.1	923.6
17.5°	1059.5	1062.0	1054.4	1049.4	1026.8	1011.7	1014.2	1011.7	989.0	981.5	968.9
20°	1124.9	1122.4	1122.4	1107.3	1087.2	1067.0	1059.5	1057.0	1062.0	1046.9	1016.7
22.5°	1192.9	1182.8	1182.8	1170.2	1142.5	1129.9	1124.9	1114.8	1119.9	1107.3	1062.0
25°	1248.2	1248.2	1265.8	1240.7	1225.6	1200.4	1190.3	1192.9	1195.4	1170.2	1117.4
27.5°	1321.2	1308.6	1326.2	1313.6	1306.1	1278.4	1265.8	1273.4	1268.4	1240.7	1167.7
30°	1414.3	1416.8	1406.8	1389.1	1379.1	1358.9	1351.4	1343.8	1351.4	1316.2	1223.1
32.5°	1530.1	1537.6	1512.5	1492.3	1474.7	1454.6	1439.5	1431.9	1439.5	1386.6	1265.8
35°	1663.5	1671.0	1650.9	1628.2	1608.1	1557.8	1545.2	1532.6	1504.9	1419.3	1306.1
37.5°	1786.8	1776.7	1771.7	1771.7	1733.9	1660.9	1653.4	1645.8	1593.0	1484.8	1361.5
40°	1869.8	1882.4	1877.4	1872.3	1867.3	1799.3	1784.2	1771.7	1683.6	1582.9	1439.5
42.5°	1962.9	1955.4	1975.5	1983.1	1965.4	1945.3	1884.9	1842.1	1764.1	1683.6	1555.2
45°	2073.7	2068.6	2076.2	2103.9	2078.7	2086.2	1985.6	1955.4	1857.2	1809.4	1701.2
47.5°	2171.8	2184.4	2222.1	2229.7	2209.5	2244.8	2103.9	2056.0	1993.1	1955.4	1852.2
50°	2214.6	2229.7	2315.2	2368.1	2370.6	2426.0	2222.1	2202.0	2116.4	2131.5	2040.9
52.5°	2179.3	2227.2	2330.3	2468.8	2554.3	2609.7	2378.2	2368.1	2290.1	2337.9	2247.3
55°	2212.1	2257.4	2325.3	2519.1	2735.5	2748.1	2594.6	2556.8	2478.8	2544.2	2461.2
57.5°	2227.2	2202.0	2330.3	2574.4	2868.9	2901.6	2800.9	2773.3	2712.9	2775.8	2728.0
60°	2108.9	2139.1	2259.9	2559.3	2876.4	3065.2	3032.5	2992.2	2936.8	2994.7	2967.0
62.5°	1975.5	1995.6	2126.5	2468.8	2919.2	3183.5	3256.4	3226.2	3148.2	3198.6	3246.4
65°	1806.9	1809.4	1955.4	2307.7	2836.2	3251.4	3452.7	3450.2	3394.8	3382.3	3457.8
67.5°	1600.5	1620.7	1736.4	2136.6	2722.9	3326.9	3646.5	3684.3	3573.5	3475.4	3503.1
70°	1228.1	1248.2	1358.9	1751.5	2491.4	3304.3	3885.6	3905.7	3689.3	3440.1	3369.7
72.5°	639.2	644.2	757.5	1057.0	1766.6	2934.3	3973.7	4026.5	3719.5	3337.0	3004.8
75°	211.4	211.4	259.2	402.7	833.0	1877.4	3598.7	3694.3	3571.0	3080.3	2458.7
77.5°	125.8	128.3	153.5	201.3	332.2	749.9	2536.7	2705.3	2921.7	2619.7	1796.8
80°	90.6	93.1	115.8	138.4	198.8	241.6	1273.4	1507.4	1794.3	1686.1	958.8
82.5°	67.9	67.9	90.6	103.2	135.9	143.4	354.8	485.7	775.1	604.0	264.2
85°	70.5	70.5	70.5	73.0	93.1	83.0	148.5	158.5	226.5	198.8	73.0
87.5°	25.2	27.7	70.5	47.8	47.8	35.2	57.9	62.9	80.5	83.0	27.7
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°	815.4	815.4	815.4	815.4	815.4	815.4	815.4	815.4	815.4	815.4	815.4
2.5°	817.9	817.9	820.4	820.4	825.4	830.5	838.0	833.0	833.0	835.5	833.0
5°	815.4	817.9	825.4	838.0	843.1	845.6	860.7	860.7	860.7	865.7	865.7
7.5°	825.4	830.5	843.1	855.6	858.1	865.7	885.8	890.9	903.4	908.5	911.0
10°	850.6	858.1	868.2	883.3	893.4	903.4	918.5	936.2	933.6	948.7	951.3
12.5°	888.3	885.8	903.4	918.5	928.6	943.7	948.7	948.7	948.7	948.7	953.8
15°	918.5	923.6	938.7	948.7	961.3	958.8	948.7	938.7	941.2	938.7	938.7
17.5°	963.8	963.8	976.4	978.9	984.0	958.8	943.7	943.7	951.3	951.3	946.2
20°	1009.1	1006.6	1011.7	1009.1	976.4	946.2	943.7	946.2	948.7	946.2	943.7
22.5°	1051.9	1046.9	1039.3	1029.3	971.4	943.7	938.7	926.1	913.5	913.5	906.0
25°	1089.7	1084.6	1064.5	1034.3	968.9	928.6	903.4	873.2	858.1	850.6	860.7
27.5°	1124.9	1114.8	1087.2	1034.3	946.2	888.3	840.5	802.8	790.2	780.1	790.2
30°	1172.7	1155.1	1117.4	1026.8	911.0	825.4	760.0	714.7	702.1	687.0	692.1
32.5°	1215.5	1175.2	1142.5	1004.1	865.7	755.0	679.5	634.2	611.5	598.9	609.0
35°	1260.8	1220.5	1152.6	968.9	795.2	669.4	593.9	551.1	533.5	515.9	515.9
37.5°	1306.1	1283.4	1167.7	903.4	709.7	588.9	520.9	488.2	458.0	425.3	425.3
40°	1401.7	1371.5	1185.3	828.0	624.1	510.9	463.0	420.3	390.1	344.8	342.3
42.5°	1502.4	1437.0	1185.3	737.4	548.6	455.5	410.2	364.9	309.5	281.9	284.4
45°	1630.7	1555.2	1152.6	656.8	473.1	410.2	359.9	302.0	276.8	259.2	259.2
47.5°	1791.8	1673.5	1112.3	568.7	412.7	369.9	307.0	271.8	254.2	239.1	236.6
50°	1983.1	1781.7	1062.0	493.2	362.4	332.2	279.3	251.7	236.6	226.5	226.5
52.5°	2184.4	1940.3	1026.8	425.3	322.1	281.9	259.2	241.6	229.0	221.5	218.9
55°	2388.2	2098.8	1001.6	352.3	284.4	259.2	254.2	239.1	234.0	226.5	221.5
57.5°	2617.2	2229.7	996.6	302.0	254.2	249.1	259.2	246.6	239.1	231.5	224.0
60°	2863.9	2405.8	951.3	261.7	239.1	244.1	251.7	239.1	234.0	226.5	221.5
62.5°	3108.0	2536.7	828.0	231.5	224.0	229.0	239.1	229.0	221.5	224.0	226.5
65°	3208.6	2546.8	641.7	208.9	206.4	208.9	224.0	221.5	213.9	229.0	229.0
67.5°	3108.0	2456.2	453.0	188.7	188.7	201.3	226.5	231.5	224.0	244.1	241.6
70°	2879.0	2232.2	307.0	176.2	181.2	213.9	234.0	229.0	218.9	244.1	239.1
72.5°	2443.6	1786.8	224.0	163.6	171.1	203.8	231.5	226.5	218.9	229.0	218.9
75°	1834.6	1270.9	176.2	148.5	151.0	183.7	239.1	226.5	206.4	201.3	193.8
77.5°	1225.6	785.2	135.9	130.9	130.9	161.1	229.0	211.4	186.2	178.7	176.2
80°	583.8	314.6	108.2	110.7	113.2	138.4	208.9	188.7	168.6	158.5	158.5
82.5°	186.2	118.3	90.6	90.6	90.6	113.2	173.6	158.5	146.0	138.4	125.8
85°	65.4	65.4	78.0	80.5	73.0	83.0	143.4	135.9	120.8	100.7	98.1
87.5°	25.2	37.7	52.8	62.9	45.3	57.9	103.2	95.6	88.1	65.4	62.9
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)