

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: P674983

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

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P674983
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1F-740-U-T3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/
T3 distribution lens
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

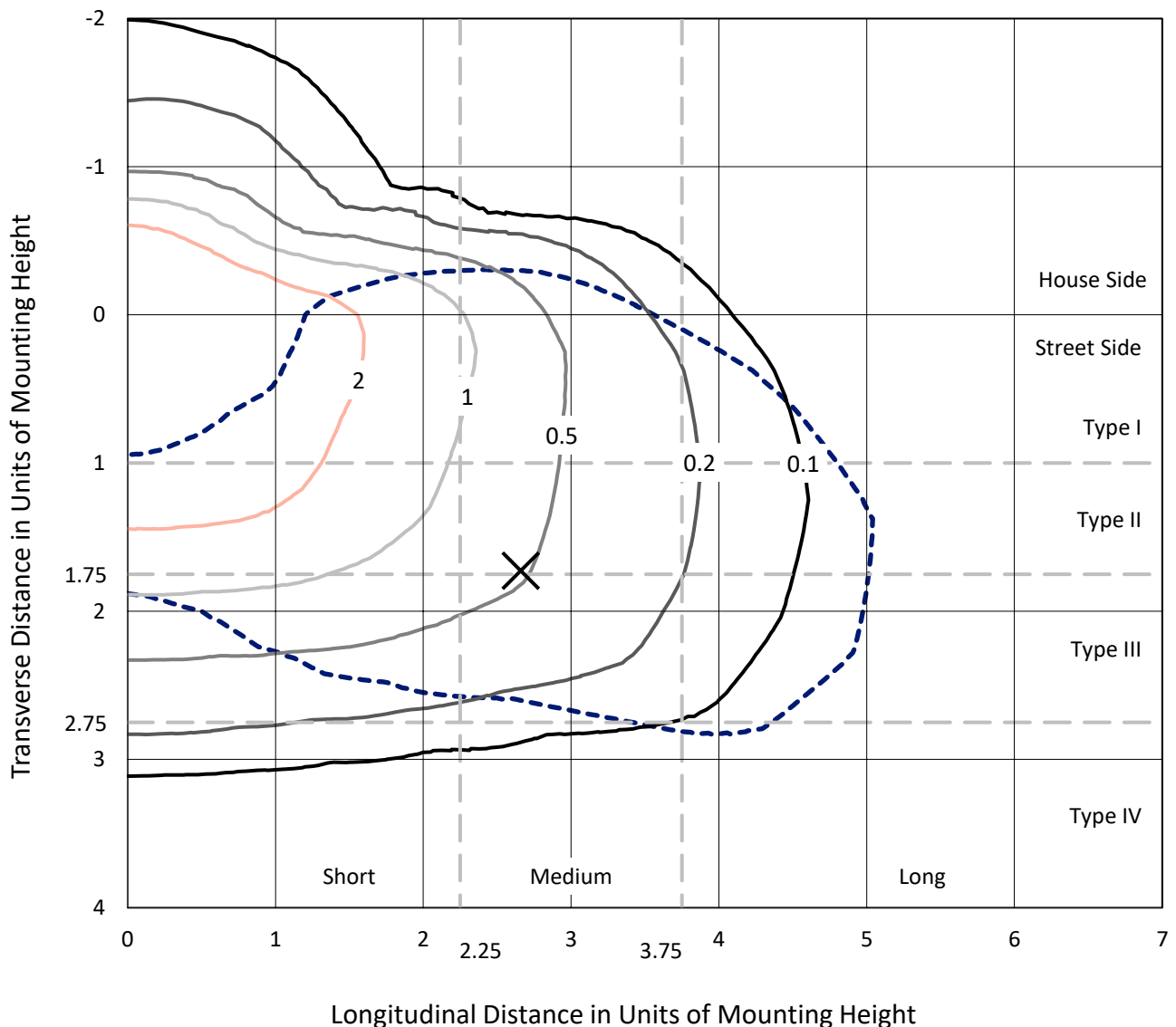
Lumens per Lamp: N/A
Luminaire Lumens: 7575.6 lumens
Efficiency: N/A
Efficacy: 113.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 67
Input Voltage (V): 120
Input Current (A_{in}): 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

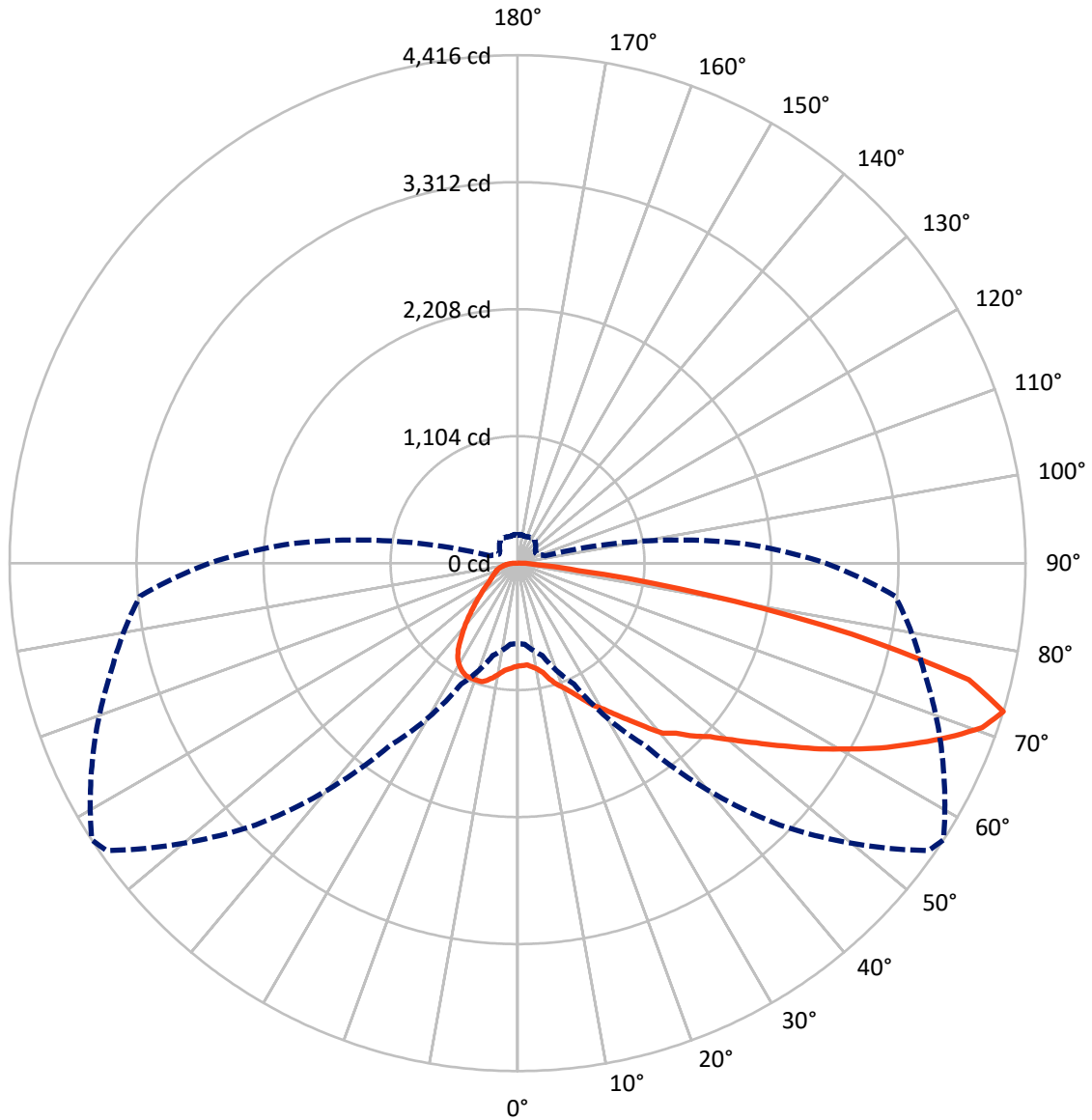
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.6 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
House Side	Lumens	1769.2	0.0	1769.2
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	5806.4	0.0	5806.4
	% Fixture	76.6	0.0	76.6
Total	Lumens	7575.6	0.0	7575.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.8	1.2
10°-20°	299.1	3.9
20°-30°	546.8	7.2
30°-40°	802.2	10.6
40°-50°	1104.6	14.6
50°-60°	1514.7	20.0
60°-70°	1825.9	24.1
70°-80°	1216.3	16.1
80°-90°	177.2	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°	7575.6	100.0
0°-180°	7575.6	100.0



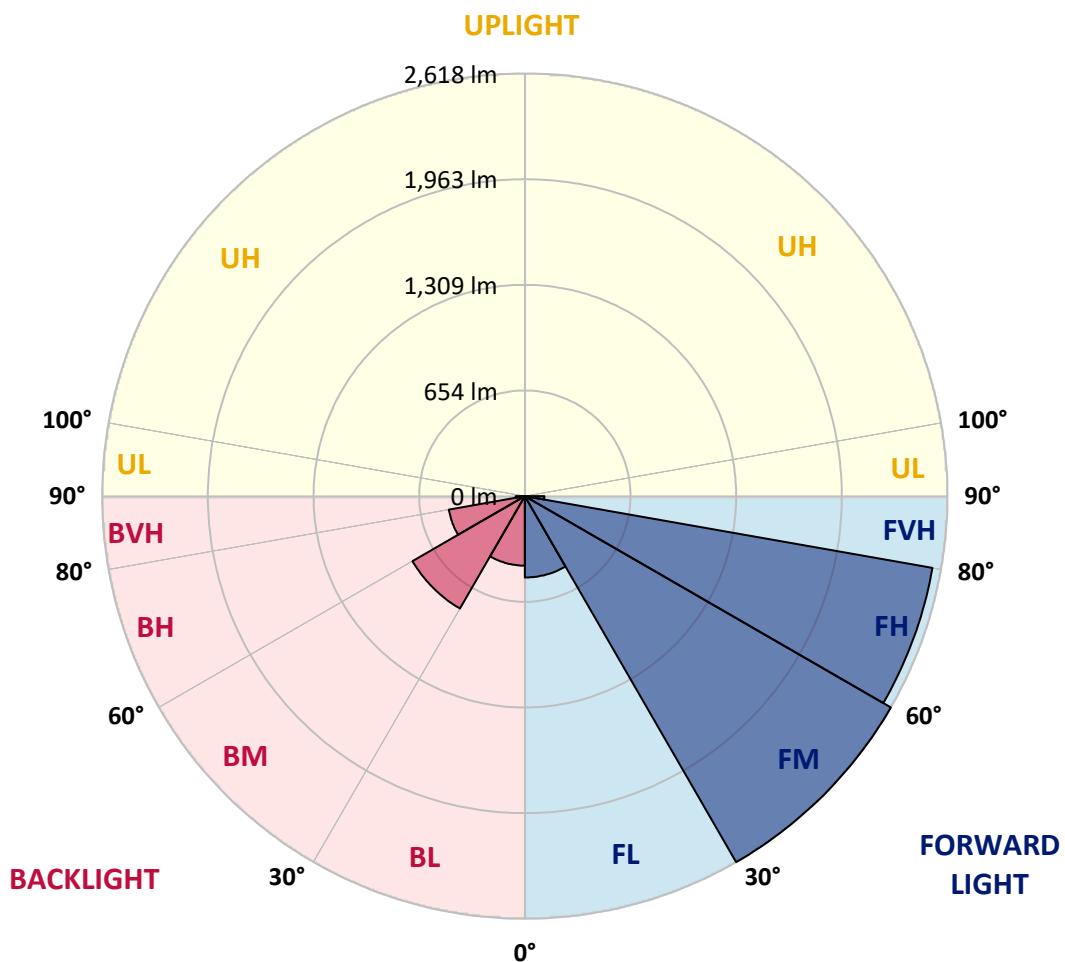
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	504.0	6.7			
FM (30°-60°)	2617.9	34.6			
FH (60°-80°)	2563.8	33.8			G2/5000
FVH (80°-90°)	120.6	1.6			G2/225
BL (0°-30°)	430.7	5.7	B1/500		
BM (30°-60°)	803.6	10.6	B1/1000		
BH (60°-80°)	478.3	6.3	B1/500		G1/500
BVH (80°-90°)	56.5	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°	894.2	894.2	894.2	894.2	894.2	894.2	894.2	894.2	894.2	894.2	894.2
2.5°	877.6	880.4	885.9	883.1	883.1	874.8	888.6	891.4	885.9	888.6	894.2
5°	877.6	883.1	891.4	885.9	888.6	885.9	880.4	888.6	888.6	891.4	899.7
7.5°	924.5	921.8	921.8	913.5	910.7	908.0	910.7	910.7	905.2	908.0	908.0
10°	976.9	976.9	971.4	971.4	965.9	952.1	938.3	935.6	927.3	930.0	930.0
12.5°	1032.1	1037.7	1043.2	1026.6	1021.1	999.0	990.7	974.2	974.2	968.7	965.9
15°	1101.1	1092.9	1098.4	1092.9	1079.1	1057.0	1043.2	1045.9	1026.6	1021.1	1012.8
17.5°	1161.8	1164.6	1156.3	1150.8	1126.0	1109.4	1112.2	1109.4	1084.6	1076.3	1062.5
20°	1233.6	1230.8	1230.8	1214.3	1192.2	1170.1	1161.8	1159.1	1164.6	1148.1	1114.9
22.5°	1308.1	1297.1	1297.1	1283.3	1252.9	1239.1	1233.6	1222.6	1228.1	1214.3	1164.6
25°	1368.8	1368.8	1388.1	1360.6	1344.0	1316.4	1305.4	1308.1	1310.9	1283.3	1225.3
27.5°	1448.9	1435.1	1454.4	1440.6	1432.3	1401.9	1388.1	1396.4	1390.9	1360.6	1280.5
30°	1551.0	1553.7	1542.7	1523.4	1512.3	1490.3	1482.0	1473.7	1482.0	1443.3	1341.2
32.5°	1677.9	1686.2	1658.6	1636.5	1617.2	1595.1	1578.6	1570.3	1578.6	1520.6	1388.1
35°	1824.2	1832.5	1810.4	1785.6	1763.5	1708.3	1694.5	1680.7	1650.3	1556.5	1432.3
37.5°	1959.4	1948.4	1942.9	1942.9	1901.5	1821.4	1813.1	1804.9	1746.9	1628.2	1493.0
40°	2050.5	2064.3	2058.8	2053.2	2047.7	1973.2	1956.7	1942.9	1846.3	1735.9	1578.6
42.5°	2152.6	2144.3	2166.4	2174.7	2155.4	2133.3	2067.0	2020.1	1934.6	1846.3	1705.5
45°	2274.0	2268.5	2276.8	2307.1	2279.5	2287.8	2177.4	2144.3	2036.7	1984.3	1865.6
47.5°	2381.7	2395.5	2436.8	2445.1	2423.0	2461.7	2307.1	2254.7	2185.7	2144.3	2031.2
50°	2428.6	2445.1	2539.0	2596.9	2599.7	2660.4	2436.8	2414.8	2320.9	2337.5	2238.1
52.5°	2389.9	2442.4	2555.5	2707.3	2801.1	2861.8	2608.0	2596.9	2511.4	2563.8	2464.4
55°	2425.8	2475.5	2550.0	2762.5	2999.8	3013.6	2845.3	2803.9	2718.3	2790.1	2699.0
57.5°	2442.4	2414.8	2555.5	2823.2	3146.1	3182.0	3071.6	3041.2	2975.0	3044.0	2991.6
60°	2312.7	2345.8	2478.2	2806.7	3154.4	3361.4	3325.5	3281.3	3220.6	3284.1	3253.7
62.5°	2166.4	2188.5	2332.0	2707.3	3201.3	3491.1	3571.1	3538.0	3452.4	3507.6	3560.1
65°	1981.5	1984.3	2144.3	2530.7	3110.2	3565.6	3786.4	3783.6	3722.9	3709.1	3791.9
67.5°	1755.2	1777.3	1904.2	2343.0	2986.0	3648.4	3998.9	4040.3	3918.8	3811.2	3841.6
70°	1346.8	1368.8	1490.3	1920.8	2732.1	3623.5	4261.0	4283.1	4045.8	3772.6	3695.3
72.5°	701.0	706.5	830.7	1159.1	1937.3	3217.9	4357.6	4415.6	4078.9	3659.4	3295.1
75°	231.8	231.8	284.3	441.6	913.5	2058.8	3946.4	4051.3	3916.1	3377.9	2696.3
77.5°	138.0	140.7	168.3	220.8	364.3	822.4	2781.8	2966.7	3204.1	2872.9	1970.5
80°	99.4	102.1	126.9	151.8	218.0	264.9	1396.4	1653.1	1967.7	1849.0	1051.5
82.5°	74.5	74.5	99.4	113.1	149.0	157.3	389.1	532.6	850.0	662.3	289.8
85°	77.3	77.3	77.3	80.0	102.1	91.1	162.8	173.9	248.4	218.0	80.0
87.5°	27.6	30.4	77.3	52.4	52.4	38.6	63.5	69.0	88.3	91.1	30.4
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°	894.2	894.2	894.2	894.2	894.2	894.2	894.2	894.2	894.2	894.2	894.2
2.5°	896.9	896.9	899.7	899.7	905.2	910.7	919.0	913.5	913.5	916.2	913.5
5°	894.2	896.9	905.2	919.0	924.5	927.3	943.8	943.8	943.8	949.3	949.3
7.5°	905.2	910.7	924.5	938.3	941.1	949.3	971.4	976.9	990.7	996.3	999.0
10°	932.8	941.1	952.1	968.7	979.7	990.7	1007.3	1026.6	1023.9	1040.4	1043.2
12.5°	974.2	971.4	990.7	1007.3	1018.3	1034.9	1040.4	1040.4	1040.4	1040.4	1045.9
15°	1007.3	1012.8	1029.4	1040.4	1054.2	1051.5	1040.4	1029.4	1032.1	1029.4	1029.4
17.5°	1057.0	1057.0	1070.8	1073.5	1079.1	1051.5	1034.9	1034.9	1043.2	1043.2	1037.7
20°	1106.7	1103.9	1109.4	1106.7	1070.8	1037.7	1034.9	1037.7	1040.4	1037.7	1034.9
22.5°	1153.6	1148.1	1139.8	1128.7	1065.3	1034.9	1029.4	1015.6	1001.8	1001.8	993.5
25°	1195.0	1189.4	1167.4	1134.3	1062.5	1018.3	990.7	957.6	941.1	932.8	943.8
27.5°	1233.6	1222.6	1192.2	1134.3	1037.7	974.2	921.8	880.4	866.6	855.5	866.6
30°	1286.0	1266.7	1225.3	1126.0	999.0	905.2	833.4	783.8	770.0	753.4	758.9
32.5°	1333.0	1288.8	1252.9	1101.1	949.3	827.9	745.1	695.5	670.6	656.8	667.9
35°	1382.6	1338.5	1264.0	1062.5	872.1	734.1	651.3	604.4	585.1	565.7	565.7
37.5°	1432.3	1407.5	1280.5	990.7	778.2	645.8	571.3	535.4	502.3	466.4	466.4
40°	1537.2	1504.1	1299.8	908.0	684.4	560.2	507.8	460.9	427.8	378.1	375.3
42.5°	1647.6	1575.8	1299.8	808.6	601.6	499.5	449.8	400.2	339.4	309.1	311.9
45°	1788.3	1705.5	1264.0	720.3	518.8	449.8	394.6	331.2	303.6	284.3	284.3
47.5°	1964.9	1835.2	1219.8	623.7	452.6	405.7	336.7	298.1	278.7	262.2	259.4
50°	2174.7	1953.9	1164.6	540.9	397.4	364.3	306.3	276.0	259.4	248.4	248.4
52.5°	2395.5	2127.8	1126.0	466.4	353.2	309.1	284.3	264.9	251.1	242.9	240.1
55°	2619.0	2301.6	1098.4	386.4	311.9	284.3	278.7	262.2	256.7	248.4	242.9
57.5°	2870.1	2445.1	1092.9	331.2	278.7	273.2	284.3	270.5	262.2	253.9	245.6
60°	3140.6	2638.3	1043.2	287.0	262.2	267.7	276.0	262.2	256.7	248.4	242.9
62.5°	3408.3	2781.8	908.0	253.9	245.6	251.1	262.2	251.1	242.9	245.6	248.4
65°	3518.7	2792.9	703.7	229.1	226.3	229.1	245.6	242.9	234.6	251.1	251.1
67.5°	3408.3	2693.5	496.8	207.0	207.0	220.8	248.4	253.9	245.6	267.7	264.9
70°	3157.1	2447.9	336.7	193.2	198.7	234.6	256.7	251.1	240.1	267.7	262.2
72.5°	2679.7	1959.4	245.6	179.4	187.7	223.5	253.9	248.4	240.1	251.1	240.1
75°	2011.8	1393.7	193.2	162.8	165.6	201.5	262.2	248.4	226.3	220.8	212.5
77.5°	1344.0	861.0	149.0	143.5	143.5	176.6	251.1	231.8	204.2	195.9	193.2
80°	640.3	345.0	118.7	121.4	124.2	151.8	229.1	207.0	184.9	173.9	173.9
82.5°	204.2	129.7	99.4	99.4	99.4	124.2	190.4	173.9	160.1	151.8	138.0
85°	71.8	71.8	85.6	88.3	80.0	91.1	157.3	149.0	132.5	110.4	107.6
87.5°	27.6	41.4	58.0	69.0	49.7	63.5	113.1	104.9	96.6	71.8	69.0
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)