

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: P674959

Luminaire Tested: **CCW-SA-1D-730-U-T3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P674959
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1D-730-U-T3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/
T3 distribution lens
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

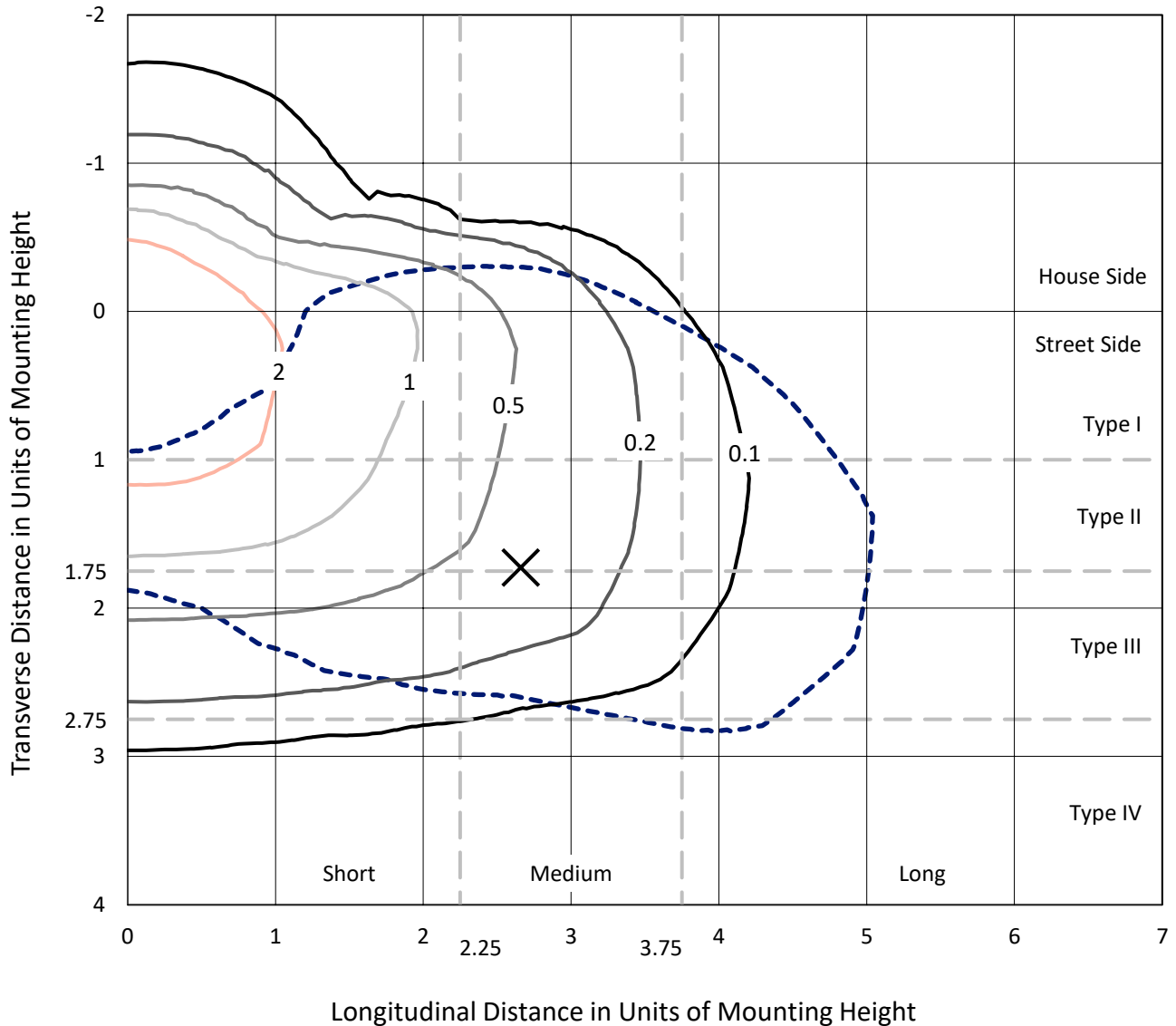
Lumens per Lamp: N/A
Luminaire Lumens: 5131 lumens
Efficiency: N/A
Efficacy: 116.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

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

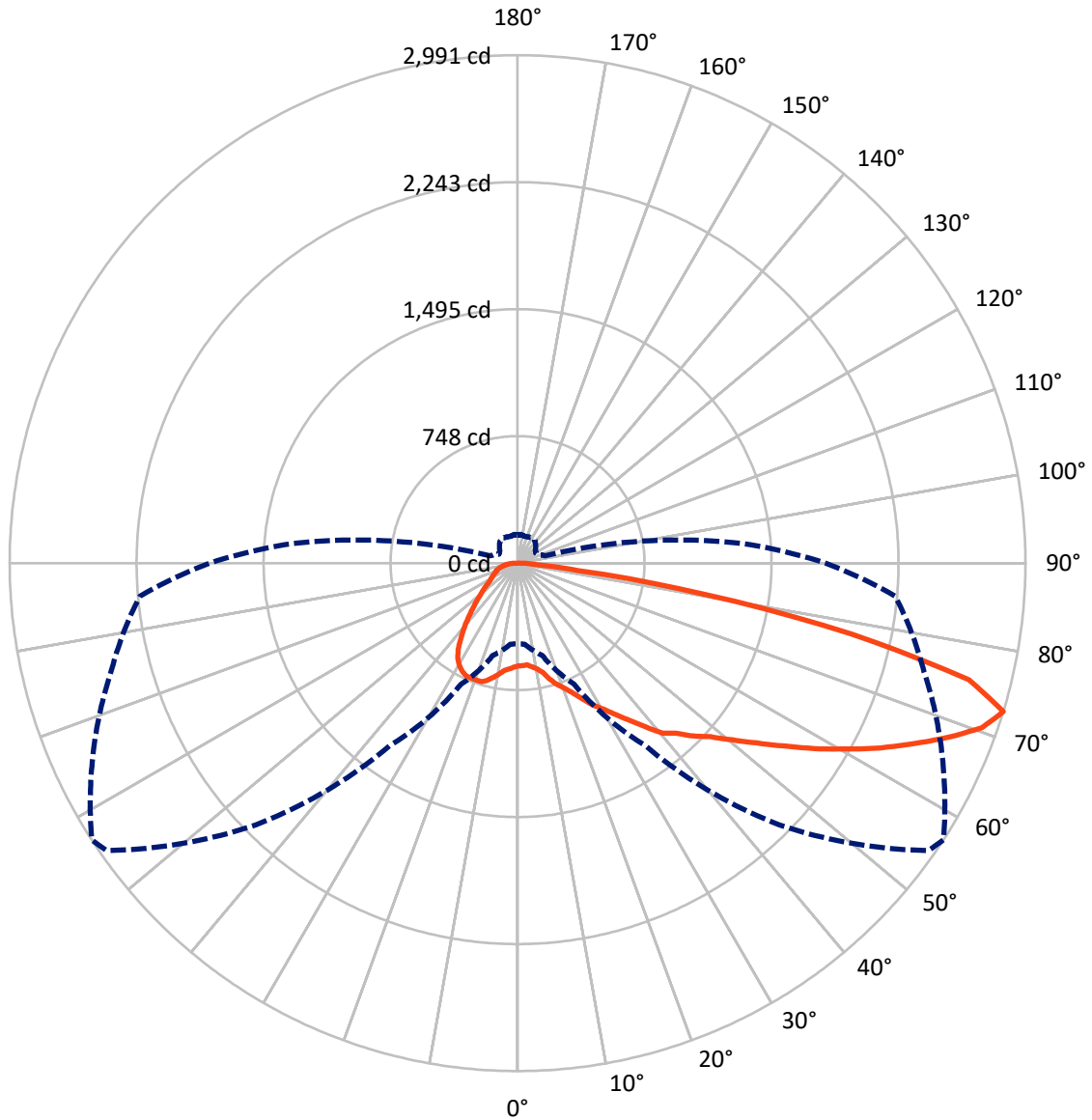
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.1 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	1198.3	0.0	1198.3
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	3932.8	0.0	3932.8
	% Fixture	76.6	0.0	76.6
Total	Lumens	5131.0	0.0	5131.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.1	1.2
10°-20°	202.6	3.9
20°-30°	370.4	7.2
30°-40°	543.4	10.6
40°-50°	748.1	14.6
50°-60°	1025.9	20.0
60°-70°	1236.7	24.1
70°-80°	823.8	16.1
80°-90°	120.0	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°	5131.0	100.0
0°-180°	5131.0	100.0



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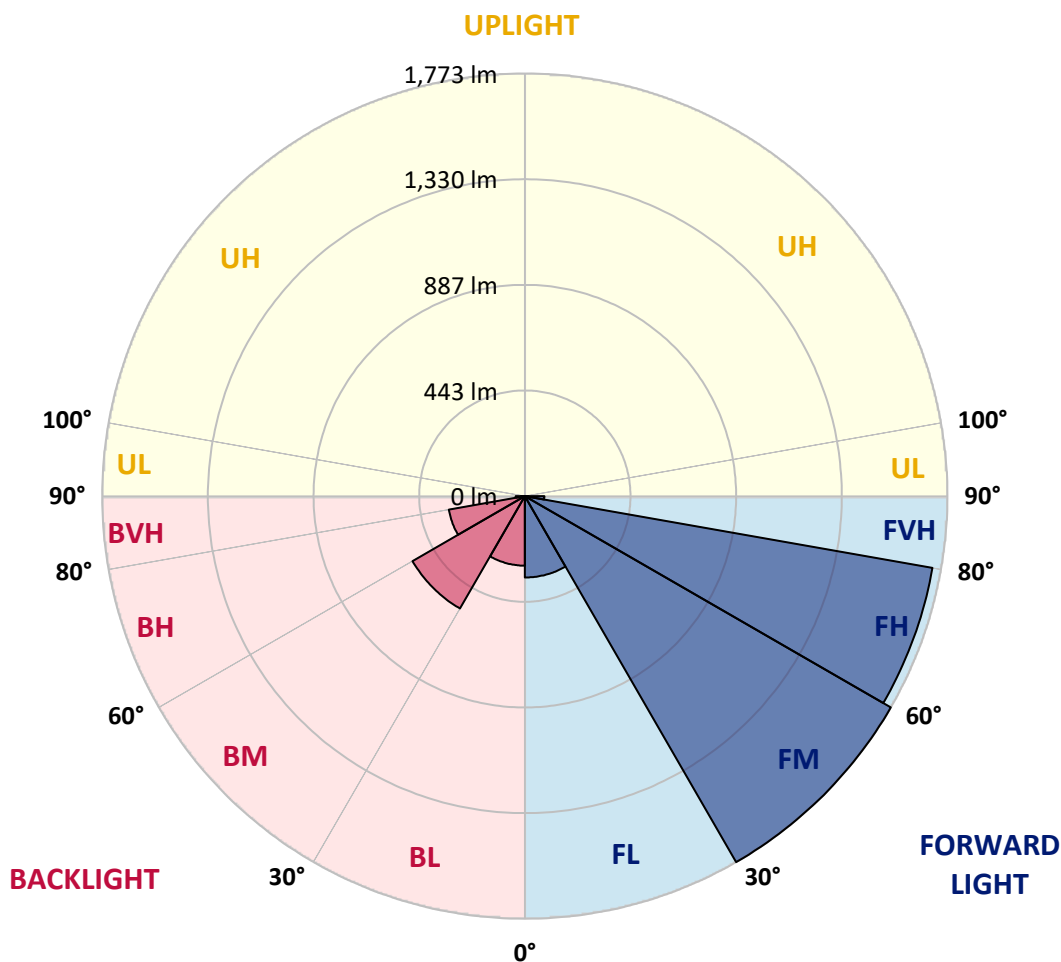
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	341.3	6.7			
FM (30°-60°)	1773.2	34.6			
FH (60°-80°)	1736.5	33.8			G1/1800
FVH (80°-90°)	81.7	1.6			G1/100
BL (0°-30°)	291.7	5.7	B1/500		
BM (30°-60°)	544.3	10.6	B1/1000		
BH (60°-80°)	324.0	6.3	B1/500		G1/500
BVH (80°-90°)	38.3	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-G1

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6
2.5°	594.4	596.3	600.0	598.2	598.2	592.5	601.9	603.8	600.0	601.9	605.6
5°	594.4	598.2	603.8	600.0	601.9	600.0	596.3	601.9	601.9	603.8	609.4
7.5°	626.2	624.3	624.3	618.7	616.8	615.0	616.8	616.8	613.1	615.0	615.0
10°	661.7	661.7	658.0	658.0	654.2	644.9	635.5	633.7	628.1	629.9	629.9
12.5°	699.1	702.8	706.6	695.4	691.6	676.7	671.1	659.8	659.8	656.1	654.2
15°	745.8	740.2	744.0	740.2	730.9	715.9	706.6	708.4	695.4	691.6	686.0
17.5°	786.9	788.8	783.2	779.5	762.6	751.4	753.3	751.4	734.6	729.0	719.7
20°	835.5	833.7	833.7	822.5	807.5	792.6	786.9	785.1	788.8	777.6	755.2
22.5°	886.0	878.5	878.5	869.2	848.6	839.3	835.5	828.1	831.8	822.5	788.8
25°	927.1	927.1	940.2	921.5	910.3	891.6	884.1	886.0	887.9	869.2	829.9
27.5°	981.3	972.0	985.1	975.7	970.1	949.6	940.2	945.8	942.1	921.5	867.3
30°	1050.5	1052.4	1044.9	1031.8	1024.3	1009.4	1003.8	998.2	1003.8	977.6	908.4
32.5°	1136.5	1142.1	1123.4	1108.4	1095.4	1080.4	1069.2	1063.6	1069.2	1029.9	940.2
35°	1235.6	1241.2	1226.2	1209.4	1194.4	1157.0	1147.7	1138.4	1117.8	1054.2	970.1
37.5°	1327.1	1319.7	1315.9	1315.9	1287.9	1233.7	1228.1	1222.5	1183.2	1102.8	1011.2
40°	1388.8	1398.2	1394.4	1390.7	1387.0	1336.5	1325.3	1315.9	1250.5	1175.7	1069.2
42.5°	1458.0	1452.4	1467.3	1472.9	1459.9	1444.9	1400.0	1368.3	1310.3	1250.5	1155.2
45°	1540.2	1536.5	1542.1	1562.7	1544.0	1549.6	1474.8	1452.4	1379.5	1344.0	1263.6
47.5°	1613.1	1622.5	1650.5	1656.1	1641.2	1667.3	1562.7	1527.2	1480.4	1452.4	1375.7
50°	1644.9	1656.1	1719.7	1758.9	1760.8	1801.9	1650.5	1635.6	1572.0	1583.2	1515.9
52.5°	1618.7	1654.3	1730.9	1833.7	1897.3	1938.4	1766.4	1758.9	1701.0	1736.5	1669.2
55°	1643.0	1676.7	1727.2	1871.1	2031.8	2041.2	1927.2	1899.1	1841.2	1889.8	1828.1
57.5°	1654.3	1635.6	1730.9	1912.2	2130.9	2155.2	2080.4	2059.9	2015.0	2061.8	2026.2
60°	1566.4	1588.8	1678.6	1901.0	2136.5	2276.7	2252.4	2222.5	2181.4	2224.4	2203.8
62.5°	1467.3	1482.3	1579.5	1833.7	2168.3	2364.6	2418.8	2396.3	2338.4	2375.8	2411.3
65°	1342.1	1344.0	1452.4	1714.1	2106.6	2415.0	2564.6	2562.7	2521.6	2512.2	2568.3
67.5°	1188.8	1203.8	1289.8	1587.0	2022.5	2471.1	2708.5	2736.5	2654.3	2581.4	2602.0
70°	912.2	927.1	1009.4	1301.0	1850.5	2454.3	2886.1	2901.0	2740.3	2555.2	2502.9
72.5°	474.8	478.5	562.6	785.1	1312.2	2179.5	2951.5	2990.8	2762.7	2478.6	2231.9
75°	157.0	157.0	192.5	299.1	618.7	1394.4	2673.0	2744.0	2652.4	2287.9	1826.2
77.5°	93.5	95.3	114.0	149.5	246.7	557.0	1884.2	2009.4	2170.2	1945.9	1334.6
80°	67.3	69.2	86.0	102.8	147.7	179.4	945.8	1119.7	1332.8	1252.4	712.2
82.5°	50.5	50.5	67.3	76.6	100.9	106.5	263.6	360.8	575.7	448.6	196.3
85°	52.3	52.3	52.3	54.2	69.2	61.7	110.3	117.8	168.2	147.7	54.2
87.5°	18.7	20.6	52.3	35.5	35.5	26.2	43.0	46.7	59.8	61.7	20.6
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°	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6
2.5°	607.5	607.5	609.4	609.4	613.1	616.8	622.5	618.7	618.7	620.6	618.7
5°	605.6	607.5	613.1	622.5	626.2	628.1	639.3	639.3	639.3	643.0	643.0
7.5°	613.1	616.8	626.2	635.5	637.4	643.0	658.0	661.7	671.1	674.8	676.7
10°	631.8	637.4	644.9	656.1	663.6	671.1	682.3	695.4	693.5	704.7	706.6
12.5°	659.8	658.0	671.1	682.3	689.7	701.0	704.7	704.7	704.7	704.7	708.4
15°	682.3	686.0	697.2	704.7	714.0	712.2	704.7	697.2	699.1	697.2	697.2
17.5°	715.9	715.9	725.3	727.1	730.9	712.2	701.0	701.0	706.6	706.6	702.8
20°	749.6	747.7	751.4	749.6	725.3	702.8	701.0	702.8	704.7	702.8	701.0
22.5°	781.3	777.6	772.0	764.5	721.5	701.0	697.2	687.9	678.5	678.5	672.9
25°	809.4	805.6	790.7	768.3	719.7	689.7	671.1	648.6	637.4	631.8	639.3
27.5°	835.5	828.1	807.5	768.3	702.8	659.8	624.3	596.3	586.9	579.5	586.9
30°	871.1	858.0	829.9	762.6	676.7	613.1	564.5	530.9	521.5	510.3	514.0
32.5°	902.8	872.9	848.6	745.8	643.0	560.8	504.7	471.0	454.2	444.9	452.4
35°	936.5	906.6	856.1	719.7	590.7	497.2	441.1	409.4	396.3	383.2	383.2
37.5°	970.1	953.3	867.3	671.1	527.1	437.4	386.9	362.6	340.2	315.9	315.9
40°	1041.2	1018.7	880.4	615.0	463.6	379.5	343.9	312.2	289.7	256.1	254.2
42.5°	1115.9	1067.3	880.4	547.7	407.5	338.3	304.7	271.0	229.9	209.4	211.2
45°	1211.3	1155.2	856.1	487.9	351.4	304.7	267.3	224.3	205.6	192.5	192.5
47.5°	1330.9	1243.0	826.2	422.4	306.6	274.8	228.0	201.9	188.8	177.6	175.7
50°	1472.9	1323.4	788.8	366.4	269.2	246.7	207.5	186.9	175.7	168.2	168.2
52.5°	1622.5	1441.2	762.6	315.9	239.3	209.4	192.5	179.4	170.1	164.5	162.6
55°	1773.9	1558.9	744.0	261.7	211.2	192.5	188.8	177.6	173.8	168.2	164.5
57.5°	1944.0	1656.1	740.2	224.3	188.8	185.1	192.5	183.2	177.6	172.0	166.4
60°	2127.2	1787.0	706.6	194.4	177.6	181.3	186.9	177.6	173.8	168.2	164.5
62.5°	2308.5	1884.2	615.0	172.0	166.4	170.1	177.6	170.1	164.5	166.4	168.2
65°	2383.3	1891.7	476.7	155.1	153.3	155.1	166.4	164.5	158.9	170.1	170.1
67.5°	2308.5	1824.4	336.5	140.2	140.2	149.5	168.2	172.0	166.4	181.3	179.4
70°	2138.4	1658.0	228.0	130.8	134.6	158.9	173.8	170.1	162.6	181.3	177.6
72.5°	1815.0	1327.1	166.4	121.5	127.1	151.4	172.0	168.2	162.6	170.1	162.6
75°	1362.7	944.0	130.8	110.3	112.2	136.5	177.6	168.2	153.3	149.5	143.9
77.5°	910.3	583.2	100.9	97.2	97.2	119.6	170.1	157.0	138.3	132.7	130.8
80°	433.7	233.7	80.4	82.2	84.1	102.8	155.1	140.2	125.2	117.8	117.8
82.5°	138.3	87.9	67.3	67.3	67.3	84.1	129.0	117.8	108.4	102.8	93.5
85°	48.6	48.6	57.9	59.8	54.2	61.7	106.5	100.9	89.7	74.8	72.9
87.5°	18.7	28.0	39.3	46.7	33.6	43.0	76.6	71.0	65.4	48.6	46.7
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)