

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: P675018

Luminaire Tested: **CCW-SA-2B-827-U-T3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675018
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2B-827-U-T3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/
T3 distribution lens
Light Source: (32) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

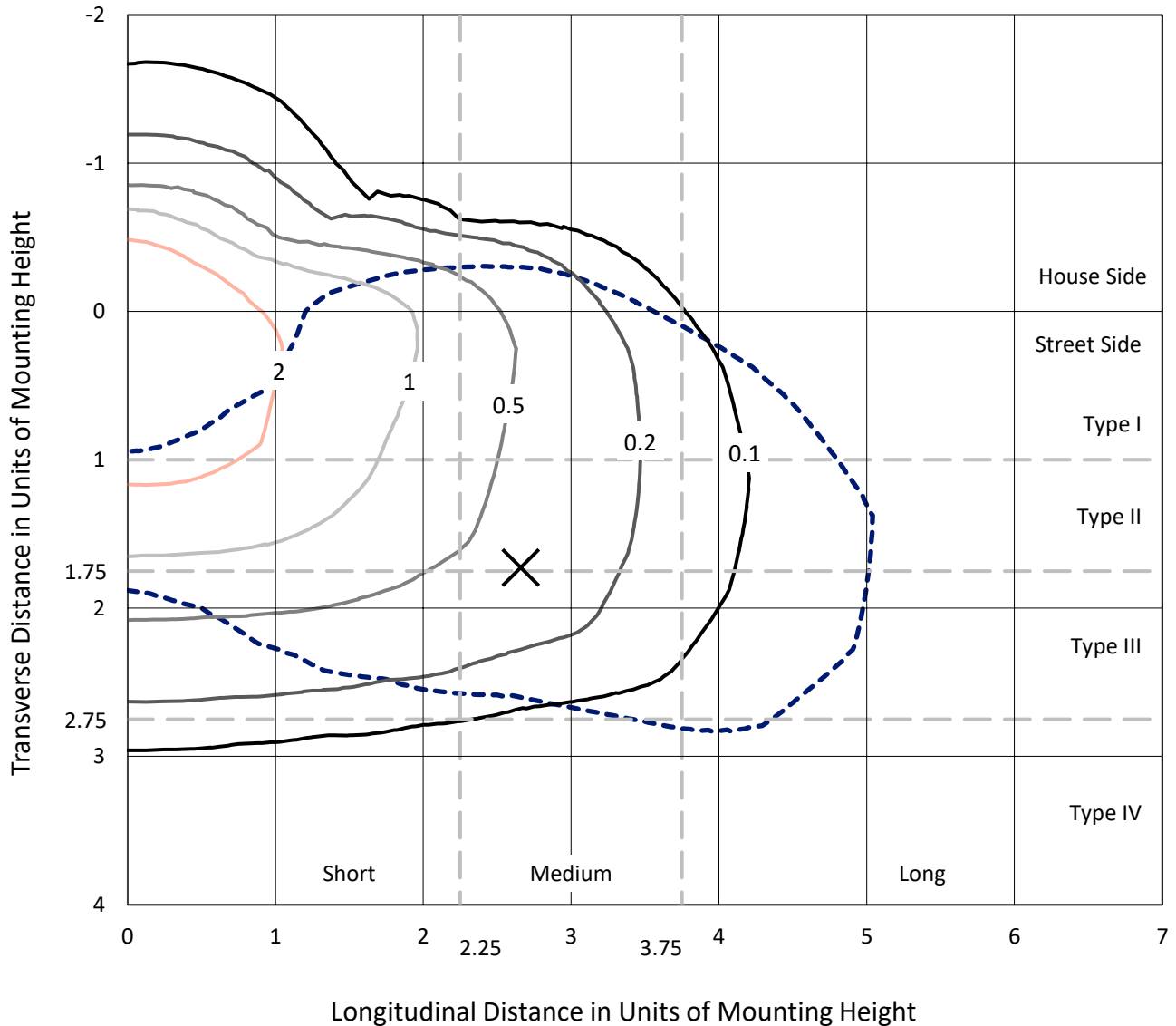
Lumens per Lamp: N/A
Luminaire Lumens: 5129.5 lumens
Efficiency: N/A
Efficacy: 111.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

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

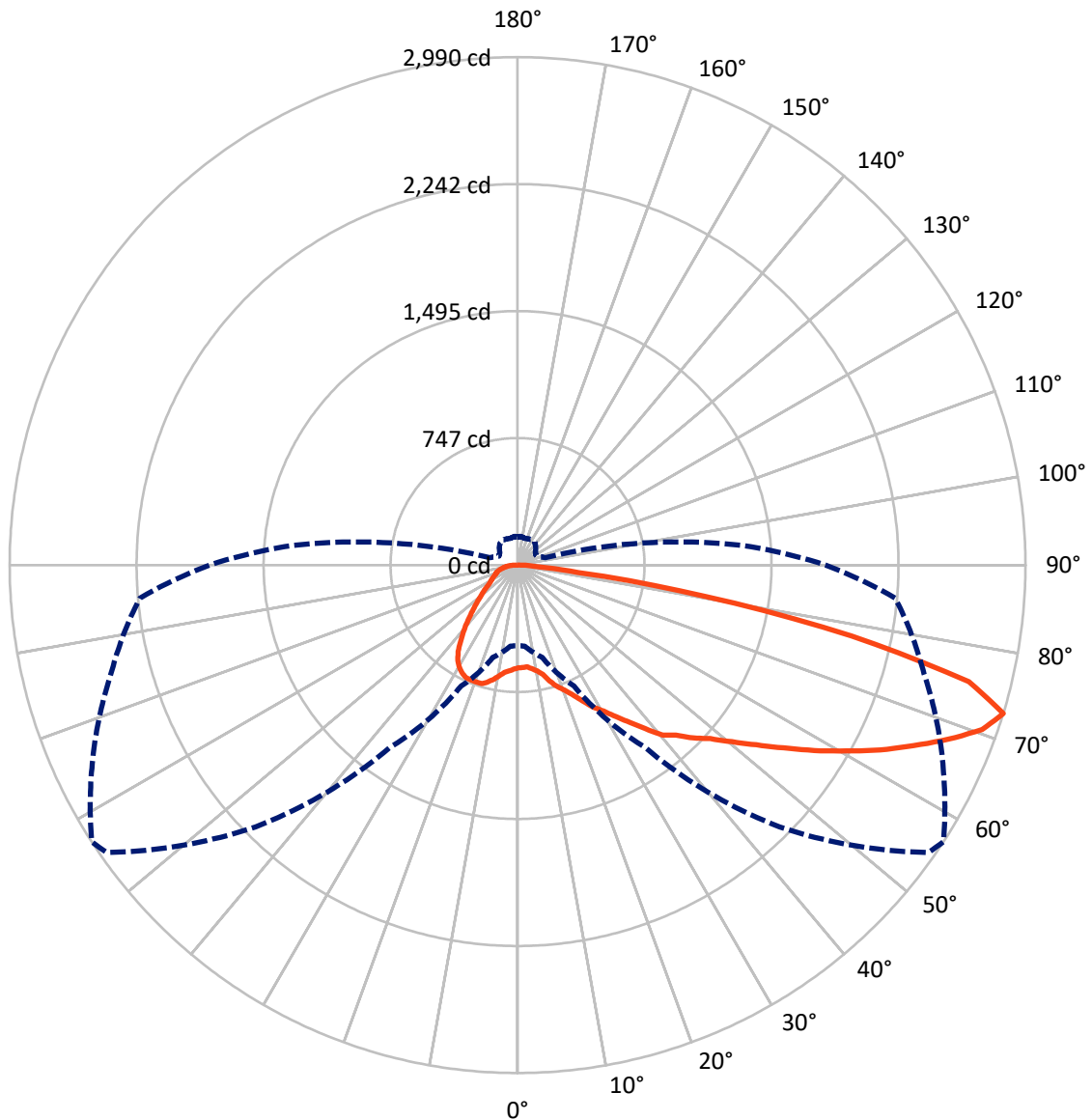
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.1 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	1197.9	0.0	1197.9
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	3931.6	0.0	3931.6
	% Fixture	76.6	0.0	76.6
Total	Lumens	5129.5	0.0	5129.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.1	1.2
10°-20°	202.5	3.9
20°-30°	370.3	7.2
30°-40°	543.2	10.6
40°-50°	747.9	14.6
50°-60°	1025.6	20.0
60°-70°	1236.3	24.1
70°-80°	823.6	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°	5129.5	100.0
0°-180°	5129.5	100.0



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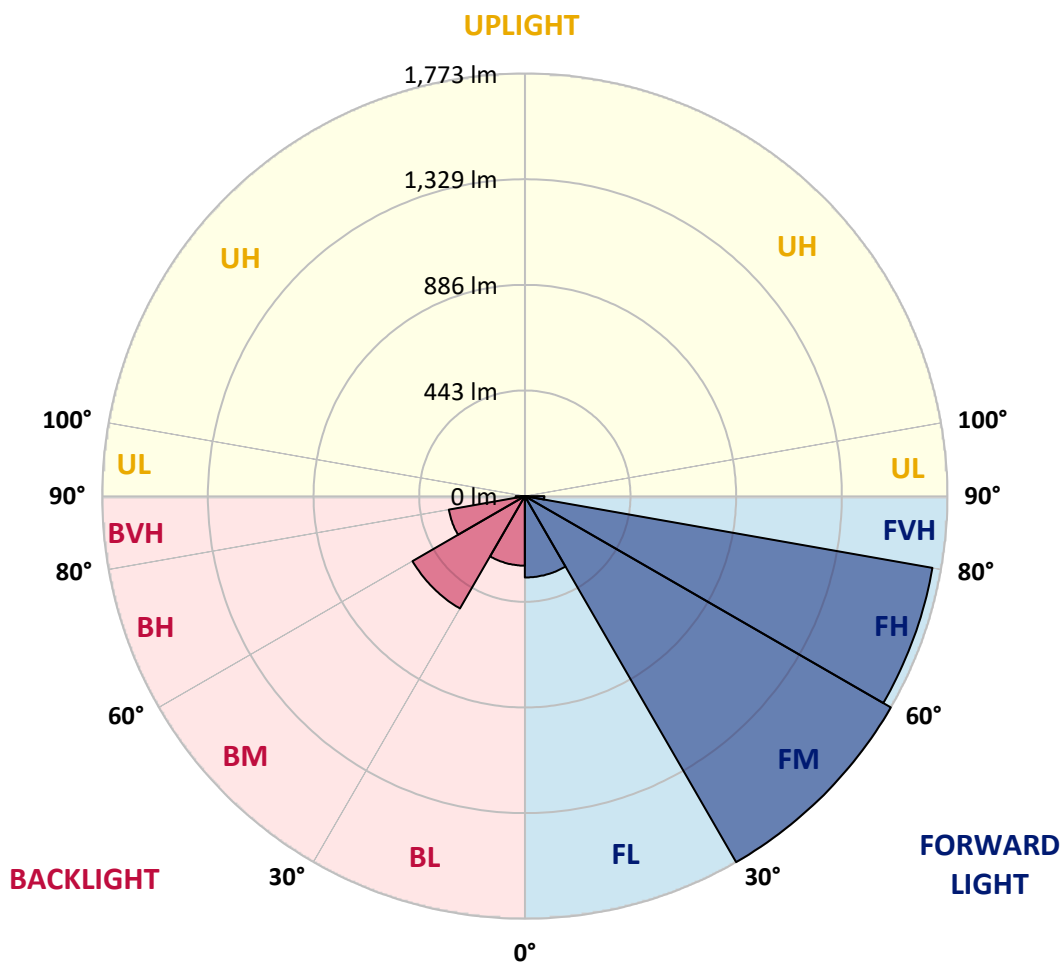
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	341.2	6.7			
FM (30°-60°)	1772.6	34.6			
FH (60°-80°)	1736.0	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°)	544.1	10.6	B1/1000		
BH (60°-80°)	323.9	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°	605.4	605.4	605.4	605.4	605.4	605.4	605.4	605.4	605.4	605.4	605.4
2.5°	594.2	596.1	599.8	598.0	598.0	592.4	601.7	603.6	599.8	601.7	605.4
5°	594.2	598.0	603.6	599.8	601.7	599.8	596.1	601.7	601.7	603.6	609.2
7.5°	626.0	624.1	624.1	618.5	616.7	614.8	616.7	616.7	612.9	614.8	614.8
10°	661.5	661.5	657.8	657.8	654.0	644.7	635.3	633.5	627.9	629.7	629.7
12.5°	698.9	702.6	706.3	695.1	691.4	676.4	670.8	659.6	659.6	655.9	654.0
15°	745.6	740.0	743.7	740.0	730.6	715.7	706.3	708.2	695.1	691.4	685.8
17.5°	786.7	788.6	783.0	779.2	762.4	751.2	753.1	751.2	734.4	728.8	719.4
20°	835.3	833.4	833.4	822.2	807.3	792.3	786.7	784.8	788.6	777.4	754.9
22.5°	885.7	878.3	878.3	868.9	848.4	839.0	835.3	827.8	831.5	822.2	788.6
25°	926.8	926.8	939.9	921.2	910.0	891.3	883.9	885.7	887.6	868.9	829.7
27.5°	981.0	971.7	984.8	975.4	969.8	949.3	939.9	945.5	941.8	921.2	867.1
30°	1050.2	1052.0	1044.6	1031.5	1024.0	1009.1	1003.5	997.9	1003.5	977.3	908.2
32.5°	1136.1	1141.7	1123.1	1108.1	1095.0	1080.1	1068.9	1063.3	1068.9	1029.6	939.9
35°	1235.2	1240.8	1225.8	1209.0	1194.1	1156.7	1147.3	1138.0	1117.4	1053.9	969.8
37.5°	1326.7	1319.3	1315.5	1315.5	1287.5	1233.3	1227.7	1222.1	1182.9	1102.5	1010.9
40°	1388.4	1397.7	1394.0	1390.3	1386.5	1336.1	1324.9	1315.5	1250.1	1175.4	1068.9
42.5°	1457.5	1451.9	1466.9	1472.5	1459.4	1444.5	1399.6	1367.8	1309.9	1250.1	1154.8
45°	1539.8	1536.0	1541.6	1562.2	1543.5	1549.1	1474.4	1451.9	1379.1	1343.6	1263.2
47.5°	1612.6	1622.0	1650.0	1655.6	1640.7	1666.8	1562.2	1526.7	1480.0	1451.9	1375.3
50°	1644.4	1655.6	1719.2	1758.4	1760.3	1801.4	1650.0	1635.1	1571.5	1582.7	1515.5
52.5°	1618.2	1653.8	1730.4	1833.1	1896.7	1937.8	1765.9	1758.4	1700.5	1736.0	1668.7
55°	1642.5	1676.2	1726.6	1870.5	2031.2	2040.6	1926.6	1898.5	1840.6	1889.2	1827.5
57.5°	1653.8	1635.1	1730.4	1911.6	2130.3	2154.5	2079.8	2059.2	2014.4	2061.1	2025.6
60°	1565.9	1588.3	1678.0	1900.4	2135.9	2276.0	2251.7	2221.8	2180.7	2223.7	2203.1
62.5°	1466.9	1481.8	1579.0	1833.1	2167.6	2363.8	2418.0	2395.6	2337.7	2375.0	2410.6
65°	1341.7	1343.6	1451.9	1713.5	2106.0	2414.3	2563.8	2561.9	2520.8	2511.5	2567.5
67.5°	1188.5	1203.4	1289.4	1586.5	2021.9	2470.3	2707.7	2735.7	2653.5	2580.6	2601.2
70°	911.9	926.8	1009.1	1300.6	1850.0	2453.5	2885.2	2900.1	2739.4	2554.4	2502.1
72.5°	474.6	478.4	562.5	784.8	1311.8	2178.8	2950.6	2989.8	2761.9	2477.8	2231.2
75°	157.0	157.0	192.5	299.0	618.5	1394.0	2672.2	2743.2	2651.6	2287.2	1825.7
77.5°	93.4	95.3	114.0	149.5	246.7	556.9	1883.6	2008.8	2169.5	1945.3	1334.2
80°	67.3	69.1	86.0	102.8	147.6	179.4	945.5	1119.3	1332.3	1252.0	712.0
82.5°	50.5	50.5	67.3	76.6	100.9	106.5	263.5	360.6	575.5	448.5	196.2
85°	52.3	52.3	52.3	54.2	69.1	61.7	110.3	117.7	168.2	147.6	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°	605.4	605.4	605.4	605.4	605.4	605.4	605.4	605.4	605.4	605.4	605.4
2.5°	607.3	607.3	609.2	609.2	612.9	616.7	622.3	618.5	618.5	620.4	618.5
5°	605.4	607.3	612.9	622.3	626.0	627.9	639.1	639.1	639.1	642.8	642.8
7.5°	612.9	616.7	626.0	635.3	637.2	642.8	657.8	661.5	670.8	674.6	676.4
10°	631.6	637.2	644.7	655.9	663.4	670.8	682.1	695.1	693.3	704.5	706.3
12.5°	659.6	657.8	670.8	682.1	689.5	700.7	704.5	704.5	704.5	704.5	708.2
15°	682.1	685.8	697.0	704.5	713.8	712.0	704.5	697.0	698.9	697.0	697.0
17.5°	715.7	715.7	725.0	726.9	730.6	712.0	700.7	700.7	706.3	706.3	702.6
20°	749.3	747.5	751.2	749.3	725.0	702.6	700.7	702.6	704.5	702.6	700.7
22.5°	781.1	777.4	771.8	764.3	721.3	700.7	697.0	687.7	678.3	678.3	672.7
25°	809.1	805.4	790.4	768.0	719.4	689.5	670.8	648.4	637.2	631.6	639.1
27.5°	835.3	827.8	807.3	768.0	702.6	659.6	624.1	596.1	586.8	579.3	586.8
30°	870.8	857.7	829.7	762.4	676.4	612.9	564.3	530.7	521.4	510.1	513.9
32.5°	902.6	872.7	848.4	745.6	642.8	560.6	504.5	470.9	454.1	444.7	452.2
35°	936.2	906.3	855.8	719.4	590.5	497.1	441.0	409.2	396.2	383.1	383.1
37.5°	969.8	953.0	867.1	670.8	527.0	437.3	386.8	362.5	340.1	315.8	315.8
40°	1040.8	1018.4	880.1	614.8	463.4	379.3	343.8	312.1	289.6	256.0	254.1
42.5°	1115.6	1067.0	880.1	547.5	407.4	338.2	304.6	271.0	229.8	209.3	211.2
45°	1210.9	1154.8	855.8	487.7	351.3	304.6	267.2	224.2	205.6	192.5	192.5
47.5°	1330.5	1242.6	825.9	422.3	306.5	274.7	228.0	201.8	188.7	177.5	175.7
50°	1472.5	1323.0	788.6	366.3	269.1	246.7	207.4	186.9	175.7	168.2	168.2
52.5°	1622.0	1440.7	762.4	315.8	239.2	209.3	192.5	179.4	170.0	164.4	162.6
55°	1773.3	1558.5	743.7	261.6	211.2	192.5	188.7	177.5	173.8	168.2	164.4
57.5°	1943.4	1655.6	740.0	224.2	188.7	185.0	192.5	183.1	177.5	171.9	166.3
60°	2126.5	1786.4	706.3	194.3	177.5	181.3	186.9	177.5	173.8	168.2	164.4
62.5°	2307.8	1883.6	614.8	171.9	166.3	170.0	177.5	170.0	164.4	166.3	168.2
65°	2382.5	1891.1	476.5	155.1	153.2	155.1	166.3	164.4	158.8	170.0	170.0
67.5°	2307.8	1823.8	336.4	140.1	140.1	149.5	168.2	171.9	166.3	181.3	179.4
70°	2137.7	1657.5	228.0	130.8	134.5	158.8	173.8	170.0	162.6	181.3	177.5
72.5°	1814.5	1326.7	166.3	121.5	127.1	151.4	171.9	168.2	162.6	170.0	162.6
75°	1362.2	943.7	130.8	110.3	112.1	136.4	177.5	168.2	153.2	149.5	143.9
77.5°	910.0	583.0	100.9	97.2	97.2	119.6	170.0	157.0	138.3	132.7	130.8
80°	433.5	233.6	80.4	82.2	84.1	102.8	155.1	140.1	125.2	117.7	117.7
82.5°	138.3	87.8	67.3	67.3	67.3	84.1	128.9	117.7	108.4	102.8	93.4
85°	48.6	48.6	57.9	59.8	54.2	61.7	106.5	100.9	89.7	74.7	72.9
87.5°	18.7	28.0	39.2	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)