

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: P671425

Luminaire Tested: **CCP-SA-1C-827-U-SL3**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P671425  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1C-827-U-SL3  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ SL3 distribution lens  
Light Source: (16) 2700K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

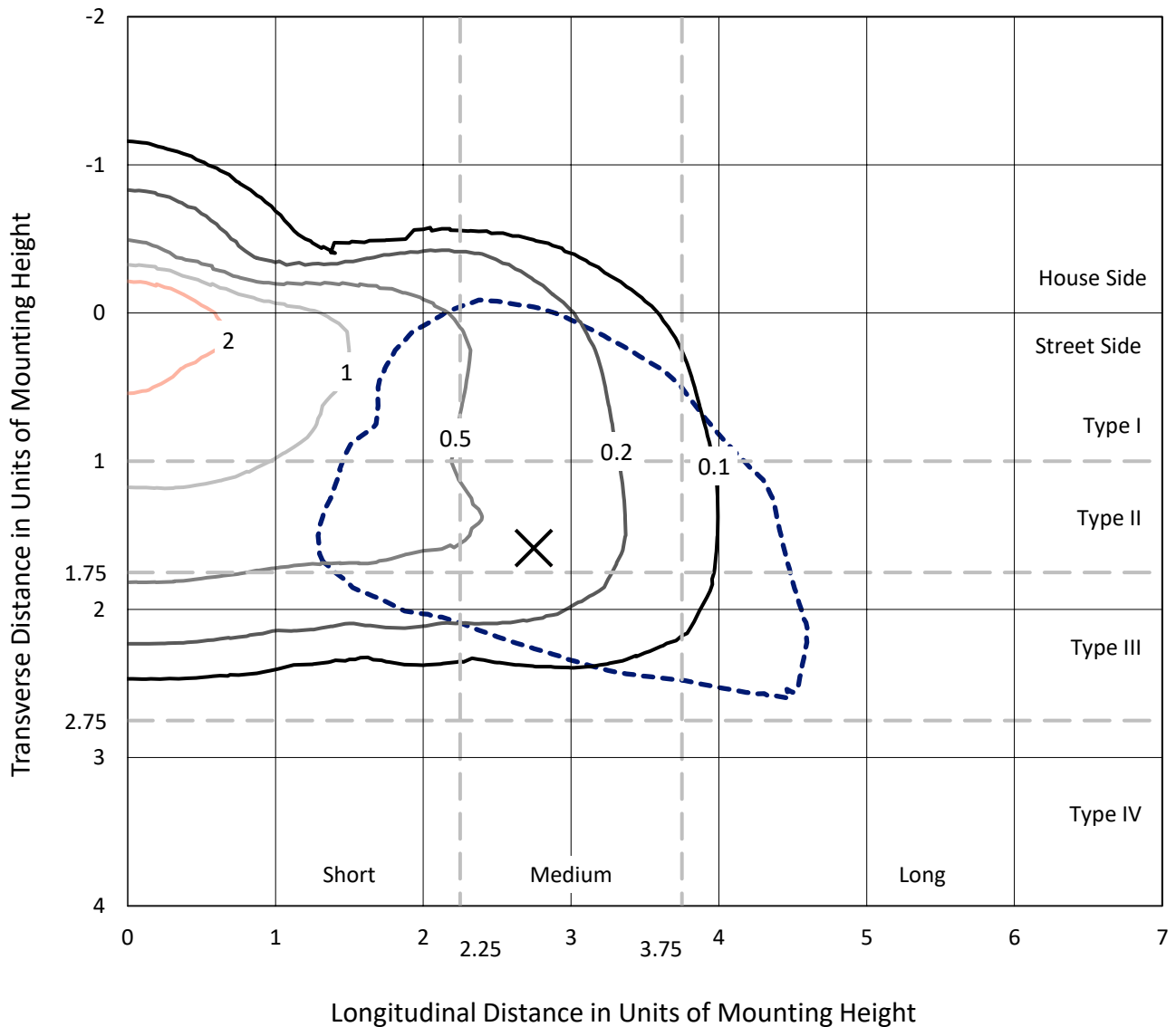
Lumens per Lamp: N/A  
Luminaire Lumens: 3286.1 lumens  
Efficiency: N/A  
Efficacy: 102.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 32  
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

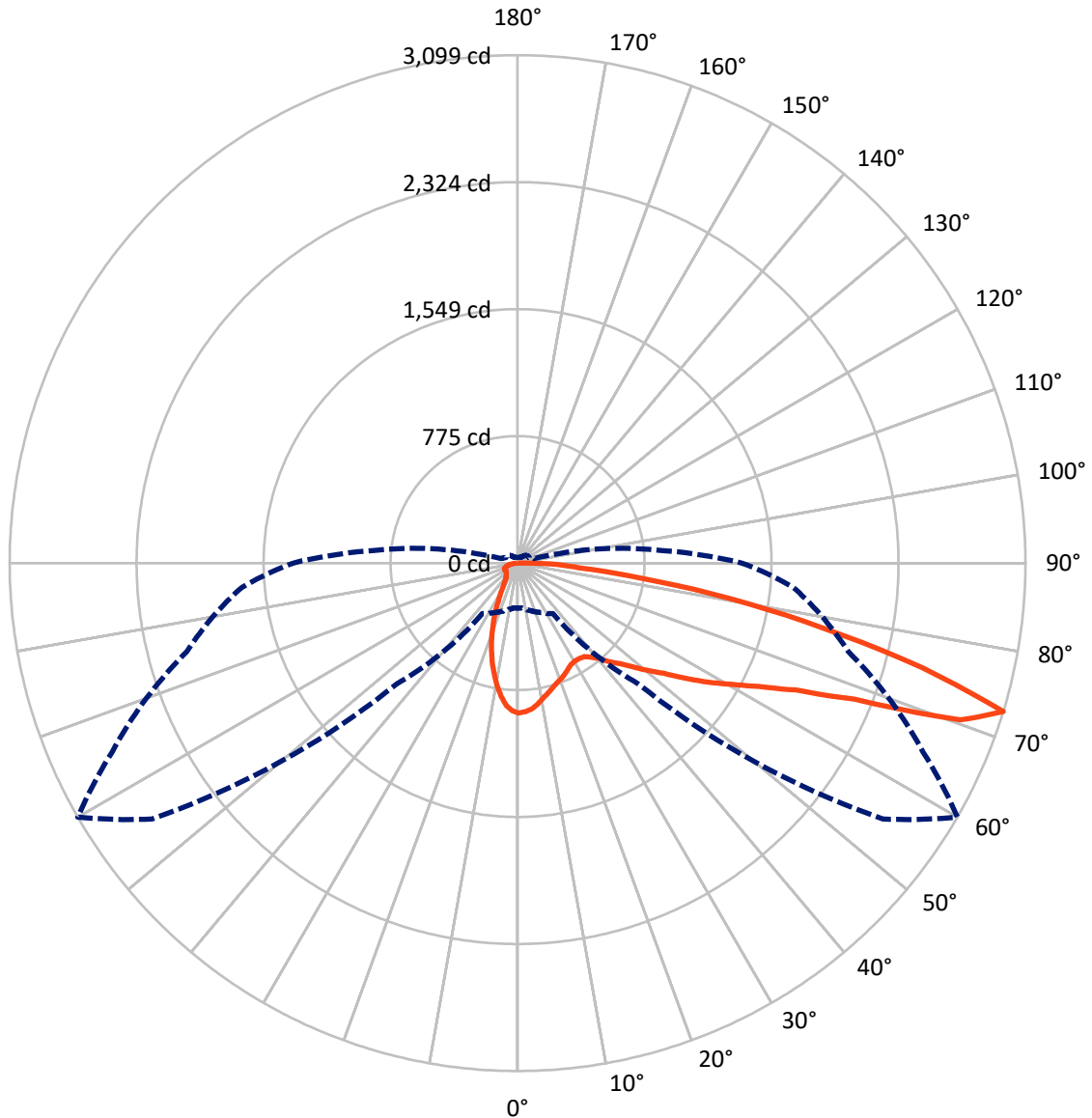
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.1 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	564.5	0.0	564.5
	% Fixture	17.2	0.0	17.2
<b>Street Side</b>	Lumens	2721.6	0.0	2721.6
	% Fixture	82.8	0.0	82.8
<b>Total</b>	Lumens	3286.1	0.0	3286.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	79.3	2.4
10°-20°	179.8	5.5
20°-30°	230.2	7.0
30°-40°	294.5	9.0
40°-50°	403.8	12.3
50°-60°	584.1	17.8
60°-70°	801.3	24.4
70°-80°	601.3	18.3
80°-90°	111.8	3.4
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°	3286.1	100.0
0°-180°	3286.1	100.0



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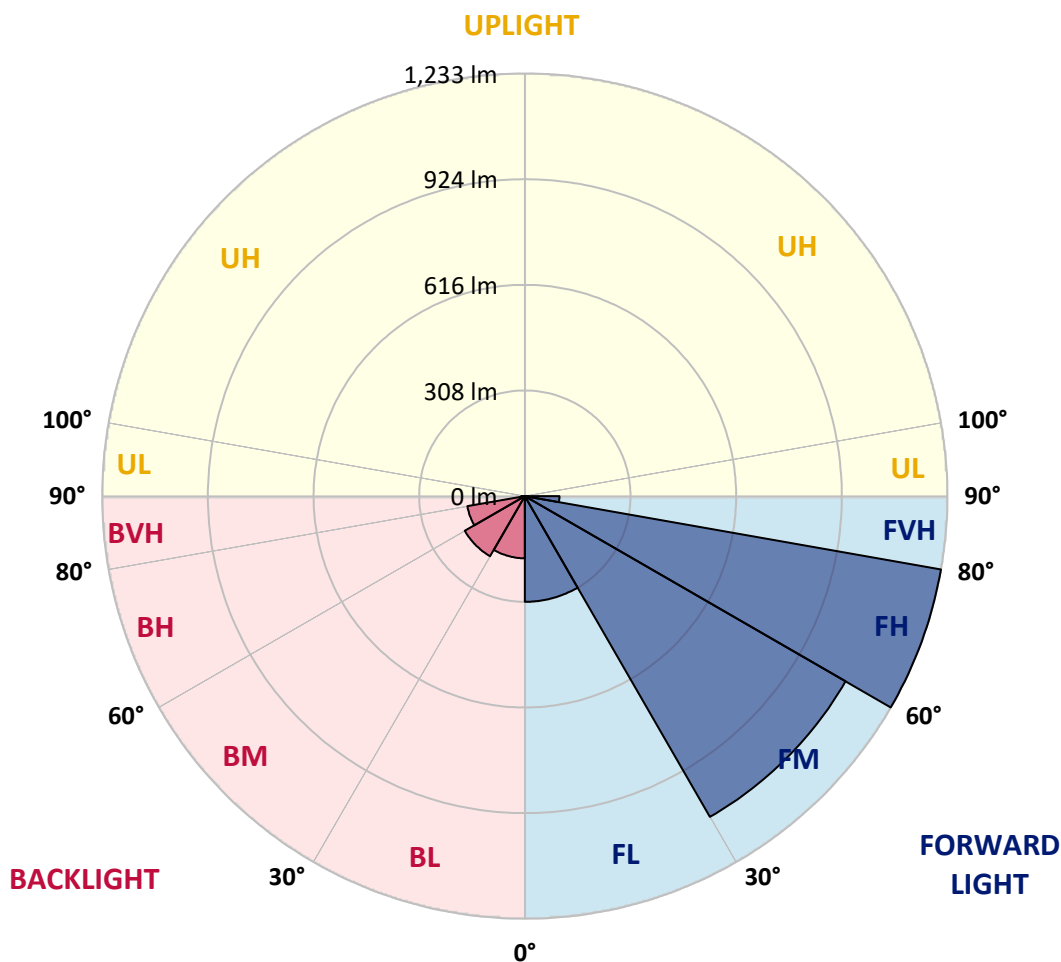
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	308.1	9.4			
FM (30°-60°)	1080.1	32.9			
FH (60°-80°)	1232.5	37.5			G1/1800
FVH (80°-90°)	100.9	3.1			G2/225
BL (0°-30°)	181.2	5.5	B1/500		
BM (30°-60°)	202.3	6.2	B0/220		
BH (60°-80°)	170.1	5.2	B1/500		G1/500
BVH (80°-90°)	10.9	0.3			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°	60°	65°	75°	85°
0°	915.0	915.0	915.0	915.0	915.0	915.0	915.0	915.0	915.0	915.0	915.0
2.5°	895.5	904.0	906.5	906.5	913.8	905.2	917.5	907.7	910.1	913.8	911.4
5°	852.6	867.3	858.8	874.7	868.5	879.6	894.2	894.2	890.6	897.9	891.8
7.5°	811.1	806.2	820.8	820.8	830.6	845.3	857.5	869.8	871.0	873.4	872.2
10°	754.8	760.9	768.2	778.0	790.3	804.9	830.6	840.4	842.9	857.5	853.9
12.5°	708.3	716.9	721.7	741.3	752.3	773.1	802.5	815.9	817.2	838.0	838.0
15°	674.0	678.9	689.9	697.3	721.7	751.1	779.2	791.5	804.9	827.0	820.8
17.5°	650.8	656.9	661.8	671.6	694.8	719.3	763.3	770.7	786.6	818.4	811.1
20°	637.3	638.6	645.9	652.0	672.8	696.1	735.2	754.8	775.6	803.7	796.4
22.5°	639.8	634.9	633.7	642.2	645.9	667.9	715.6	736.4	765.8	798.8	786.6
25°	644.7	645.9	643.5	636.1	637.3	656.9	688.7	715.6	748.7	797.6	773.1
27.5°	656.9	663.0	653.2	645.9	638.6	645.9	678.9	698.5	735.2	803.7	771.9
30°	669.1	675.3	672.8	661.8	647.1	644.7	667.9	692.4	727.9	808.6	771.9
32.5°	687.5	696.1	687.5	691.2	674.0	663.0	671.6	693.6	735.2	825.7	773.1
35°	708.3	715.6	718.1	709.5	705.8	685.1	689.9	701.0	742.5	845.3	785.4
37.5°	731.5	740.1	747.4	748.7	736.4	724.2	721.7	727.9	760.9	879.6	798.8
40°	747.4	752.3	767.0	779.2	782.9	765.8	764.6	764.6	793.9	910.1	823.3
42.5°	774.4	771.9	792.7	814.7	820.8	811.1	813.5	823.3	840.4	954.2	862.4
45°	787.8	785.4	809.8	846.5	874.7	869.8	872.2	875.9	891.8	1023.9	928.5
47.5°	806.2	808.6	844.1	885.7	915.0	932.2	945.6	944.4	956.6	1094.9	1001.9
50°	824.5	829.4	872.2	916.3	967.6	997.0	1016.6	1030.0	1042.3	1169.5	1086.3
52.5°	860.0	864.9	912.6	960.3	1026.4	1069.2	1118.1	1116.9	1118.1	1244.1	1170.7
55°	911.4	912.6	940.7	995.8	1085.1	1163.4	1230.6	1238.0	1217.2	1337.1	1267.3
57.5°	970.1	975.0	999.4	1041.0	1131.6	1253.9	1356.6	1371.3	1315.1	1412.9	1355.4
60°	1025.1	1028.8	1066.7	1114.4	1212.3	1367.7	1483.9	1501.0	1439.8	1505.9	1447.2
62.5°	962.7	981.1	1048.4	1157.2	1354.2	1540.1	1645.3	1656.4	1560.9	1600.1	1545.0
65°	770.7	782.9	879.6	1055.7	1364.0	1853.3	1894.9	1865.5	1727.3	1721.2	1693.1
67.5°	429.4	439.2	505.2	689.9	1148.7	1970.7	2431.9	2216.6	1985.4	1903.5	1893.7
70°	338.9	341.3	349.9	387.8	637.3	1737.1	2855.2	2865.0	2407.5	2154.2	1936.5
72.5°	275.2	274.0	299.7	332.7	376.8	1042.3	2721.9	3098.6	2730.4	2088.2	1686.9
75°	210.4	214.1	247.1	294.8	345.0	490.5	2030.7	2549.4	2557.9	1946.3	1422.7
77.5°	160.3	161.5	198.2	260.6	337.6	346.2	1324.8	1899.8	1908.4	1507.1	784.1
80°	119.9	119.9	150.5	220.2	329.1	319.3	815.9	1317.5	1192.7	529.7	171.3
82.5°	68.5	73.4	100.3	167.6	298.5	307.0	460.0	754.8	504.0	144.3	79.5
85°	36.7	37.9	61.2	112.5	245.9	293.6	351.1	375.6	200.6	77.1	36.7
87.5°	13.5	13.5	28.1	57.5	155.4	217.7	278.9	239.8	115.0	35.5	18.3
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°	915.0	915.0	915.0	915.0	915.0	915.0	915.0	915.0	915.0	915.0	915.0
2.5°	913.8	908.9	905.2	908.9	895.5	889.3	896.7	893.0	885.7	882.0	879.6
5°	895.5	889.3	883.2	879.6	864.9	850.2	842.9	828.2	815.9	819.6	812.3
7.5°	875.9	869.8	851.4	834.3	804.9	775.6	762.1	741.3	734.0	727.9	724.2
10°	851.4	840.4	812.3	778.0	735.2	702.2	667.9	643.5	617.8	606.8	610.4
12.5°	820.8	814.7	770.7	718.1	658.1	603.1	562.7	523.6	489.3	471.0	466.1
15°	807.4	789.0	725.4	655.7	579.8	511.3	451.4	382.9	342.5	323.0	323.0
17.5°	792.7	758.4	682.6	587.2	500.3	412.3	327.8	265.5	233.7	222.6	222.6
20°	769.5	731.5	632.4	522.4	417.1	310.7	234.9	200.6	190.8	183.5	184.7
22.5°	752.3	705.8	586.0	458.7	330.3	231.2	184.7	173.7	170.0	167.6	168.8
25°	732.8	675.3	537.0	390.2	259.3	182.3	160.3	155.4	157.8	159.0	159.0
27.5°	716.9	649.6	486.9	316.8	195.7	154.1	144.3	143.1	148.0	150.5	151.7
30°	705.8	626.3	437.9	249.6	156.6	137.0	132.1	132.1	138.2	140.7	141.9
32.5°	694.8	606.8	385.3	190.8	133.3	122.3	121.1	122.3	126.0	126.0	127.2
35°	698.5	588.4	335.2	154.1	119.9	112.5	112.5	112.5	113.8	115.0	115.0
37.5°	705.8	583.5	281.4	129.7	110.1	105.2	105.2	104.0	105.2	104.0	105.2
40°	713.2	576.2	232.4	115.0	104.0	100.3	99.1	96.6	95.4	95.4	96.6
42.5°	743.8	586.0	190.8	105.2	99.1	96.6	93.0	90.5	89.3	89.3	89.3
45°	782.9	604.3	157.8	100.3	95.4	89.3	86.9	85.6	83.2	84.4	85.6
47.5°	841.6	632.4	138.2	96.6	91.7	84.4	82.0	79.5	79.5	82.0	82.0
50°	918.7	678.9	126.0	93.0	88.1	80.7	77.1	75.8	75.8	79.5	79.5
52.5°	1001.9	732.8	121.1	91.7	84.4	77.1	73.4	72.2	72.2	77.1	77.1
55°	1085.1	798.8	124.8	91.7	82.0	73.4	69.7	67.3	68.5	72.2	72.2
57.5°	1176.8	869.8	143.1	91.7	79.5	72.2	67.3	63.6	64.8	66.1	66.1
60°	1277.1	962.7	174.9	91.7	78.3	69.7	63.6	58.7	58.7	59.9	59.9
62.5°	1378.7	1054.5	220.2	93.0	79.5	68.5	58.7	53.8	52.6	53.8	53.8
65°	1512.0	1201.3	265.5	93.0	83.2	66.1	55.0	48.9	47.7	47.7	48.9
67.5°	1699.2	1306.5	205.5	89.3	85.6	66.1	51.4	45.3	42.8	42.8	42.8
70°	1600.1	1102.2	130.9	83.2	82.0	68.5	48.9	41.6	39.1	37.9	37.9
72.5°	1370.1	882.0	105.2	78.3	75.8	67.3	46.5	39.1	35.5	34.3	34.3
75°	1098.5	696.1	91.7	71.0	66.1	56.3	42.8	35.5	33.0	30.6	30.6
77.5°	538.3	291.1	69.7	62.4	56.3	42.8	37.9	33.0	29.4	26.9	26.9
80°	134.6	101.5	51.4	48.9	41.6	33.0	30.6	28.1	25.7	23.2	23.2
82.5°	72.2	59.9	36.7	33.0	28.1	23.2	23.2	22.0	20.8	18.3	17.1
85°	36.7	35.5	24.5	22.0	18.3	14.7	15.9	15.9	14.7	11.0	11.0
87.5°	19.6	19.6	12.2	9.8	8.6	7.3	7.3	7.3	6.1	4.9	4.9
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)