

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: P672078

Luminaire Tested: **CCP-SA-1B-727-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672078
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-727-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ T2R distribution lens
Light Source: (16) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

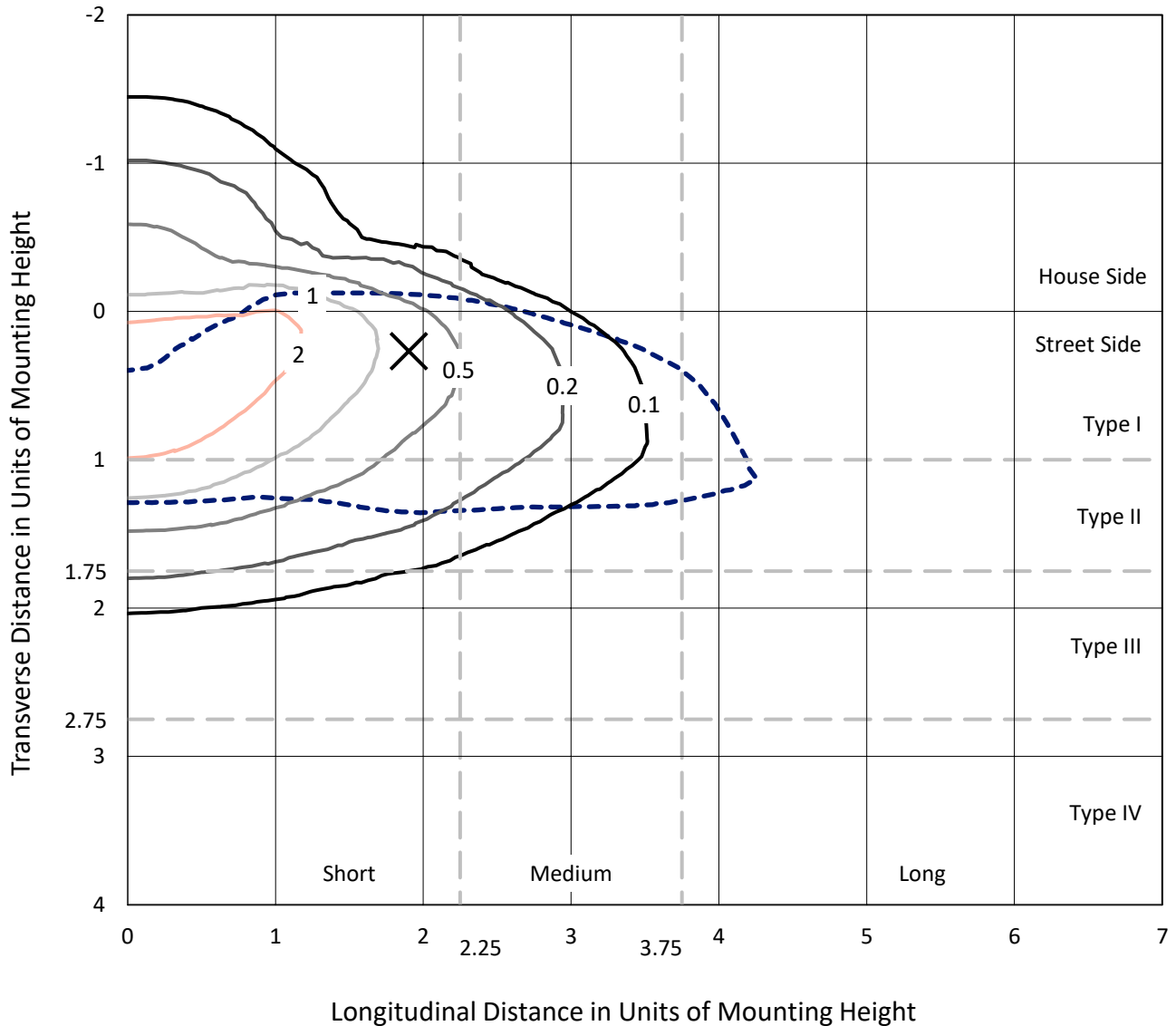
Lumens per Lamp: N/A
Luminaire Lumens: 2933.8 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 24
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

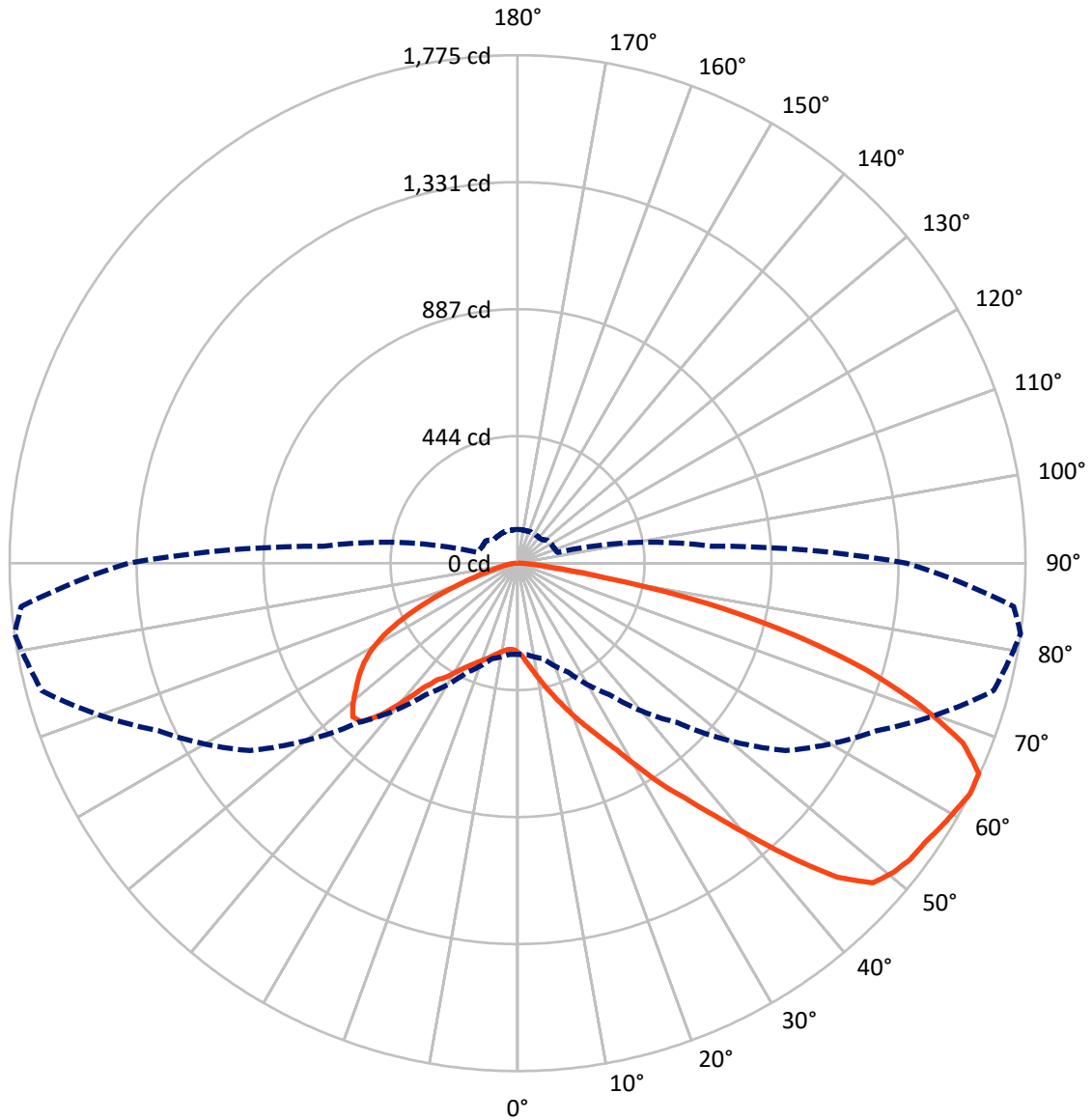
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	552.7	0.0	552.7
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	2381.1	0.0	2381.1
	% Fixture	81.2	0.0	81.2
Total	Lumens	2933.8	0.0	2933.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.5	1.2
10°-20°	130.2	4.4
20°-30°	269.7	9.2
30°-40°	457.7	15.6
40°-50°	623.3	21.2
50°-60°	630.9	21.5
60°-70°	497.2	16.9
70°-80°	244.9	8.3
80°-90°	45.3	1.5
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°	2933.8	100.0
0°-180°	2933.8	100.0



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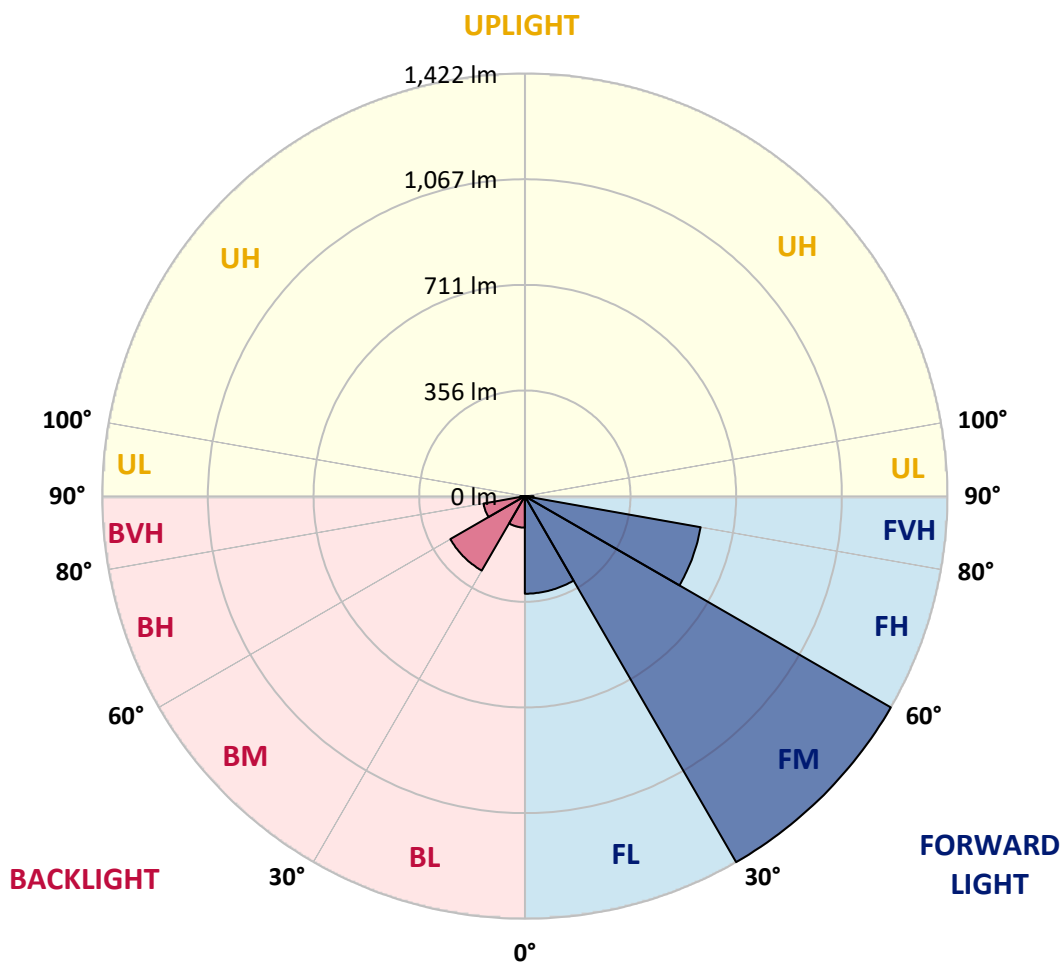
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	328.4	11.2			
FM (30°-60°)	1422.4	48.5			
FH (60°-80°)	600.9	20.5			G0/660
FVH (80°-90°)	29.4	1.0			G1/100
BL (0°-30°)	106.1	3.6	B0/110		
BM (30°-60°)	289.5	9.9	B1/1000		
BH (60°-80°)	141.3	4.8	B1/500		G1/500
BVH (80°-90°)	15.9	0.5			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	312.0	312.0	312.0	312.0	312.0	312.0	312.0	312.0	312.0	312.0	312.0
2.5°	415.5	409.2	405.8	402.0	391.4	384.7	372.0	357.2	340.1	325.5	322.8
5°	503.2	496.8	497.7	488.4	472.9	458.6	434.9	407.0	374.5	349.6	340.9
7.5°	565.0	558.1	559.8	556.0	543.5	527.7	497.7	461.7	414.2	377.3	363.3
10°	606.4	607.3	608.6	607.1	599.0	587.9	558.1	518.4	459.2	410.0	391.0
12.5°	653.3	655.7	655.2	655.9	651.6	642.8	613.6	576.2	507.2	445.3	420.6
15°	713.1	710.8	712.7	715.4	710.8	701.1	675.3	630.9	557.4	484.6	453.9
17.5°	778.6	773.7	778.8	776.1	772.7	766.3	738.0	690.7	609.4	527.0	491.1
20°	835.2	832.0	834.8	835.2	835.8	834.6	805.4	755.1	663.9	573.3	531.2
22.5°	898.8	897.3	896.9	897.1	897.7	899.2	879.4	825.7	724.3	621.9	574.5
25°	987.7	986.2	976.5	965.7	959.4	964.1	953.7	905.8	791.1	676.4	622.1
27.5°	1087.4	1085.1	1072.2	1045.0	1024.7	1028.1	1027.0	994.0	867.9	738.9	679.1
30°	1190.9	1185.2	1167.5	1129.2	1097.3	1091.4	1094.4	1083.4	964.7	821.9	758.5
32.5°	1283.2	1272.7	1249.2	1210.6	1172.5	1155.4	1155.9	1160.7	1069.9	918.6	841.8
35°	1339.6	1332.7	1315.1	1276.0	1233.6	1222.2	1219.0	1243.3	1166.4	1008.2	916.3
37.5°	1370.0	1363.3	1344.5	1313.0	1280.9	1276.3	1282.2	1319.8	1276.0	1119.9	1017.7
40°	1364.5	1357.4	1345.1	1323.1	1302.0	1305.6	1331.8	1389.9	1395.8	1253.7	1162.2
42.5°	1319.3	1311.7	1310.7	1309.2	1299.3	1315.1	1362.4	1441.2	1505.9	1408.1	1337.1
45°	1239.5	1234.9	1240.3	1265.7	1278.2	1308.8	1376.8	1466.1	1602.6	1565.0	1502.5
47.5°	1138.3	1135.6	1148.0	1188.2	1228.5	1289.3	1386.3	1472.9	1669.1	1669.1	1610.8
50°	1025.1	1024.0	1040.5	1098.8	1162.0	1253.7	1385.2	1479.2	1698.3	1699.8	1649.1
52.5°	867.1	872.6	916.5	993.4	1079.2	1197.7	1370.5	1497.0	1714.8	1718.1	1674.6
55°	685.0	690.3	756.6	860.1	970.0	1129.7	1326.3	1491.7	1717.9	1725.5	1689.2
57.5°	546.9	547.9	589.3	712.3	848.3	1042.6	1275.4	1456.6	1708.6	1741.8	1711.6
60°	428.0	431.3	459.0	556.4	707.2	930.5	1218.6	1422.0	1713.9	1757.2	1731.9
62.5°	318.7	319.6	345.4	420.8	561.9	787.5	1141.5	1385.0	1721.3	1774.5	1740.1
65°	207.6	207.4	232.4	300.4	419.7	633.1	1020.5	1327.2	1721.9	1770.7	1702.3
67.5°	132.0	132.9	143.6	186.5	280.9	477.8	855.7	1219.6	1692.0	1678.6	1564.6
70°	107.1	107.3	110.7	121.9	171.1	326.6	643.2	1051.5	1597.1	1495.1	1359.9
72.5°	95.5	95.7	97.4	98.6	114.1	196.2	422.0	853.8	1428.6	1274.4	1128.2
75°	85.8	85.8	86.8	85.5	93.6	123.1	239.5	641.9	1176.6	992.4	852.3
77.5°	75.2	75.0	75.0	74.4	80.9	90.0	120.0	448.0	847.5	676.8	552.8
80°	63.8	63.4	64.0	63.6	69.9	68.2	69.9	276.5	459.4	310.3	235.3
82.5°	49.6	49.6	51.5	52.0	57.7	49.4	49.2	131.2	174.5	116.0	86.8
85°	26.0	29.1	39.3	41.0	43.5	31.1	36.1	61.3	69.9	44.4	31.7
87.5°	7.8	8.2	24.1	27.0	26.8	15.6	22.2	29.6	32.7	19.6	12.9
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°	312.0	312.0	312.0	312.0	312.0	312.0	312.0	312.0	312.0	312.0	312.0
2.5°	315.8	308.4	292.8	278.8	268.3	258.1	251.2	247.6	242.9	243.5	242.1
5°	325.5	310.3	282.6	260.2	245.2	233.8	226.9	223.3	219.9	218.2	219.5
7.5°	340.1	316.4	277.8	250.7	235.1	225.4	221.6	220.5	219.7	219.0	220.1
10°	358.9	327.2	276.9	247.4	233.0	227.1	225.6	225.0	224.1	223.3	223.9
12.5°	378.1	339.0	279.9	248.2	236.4	231.9	230.0	229.2	227.1	226.0	226.2
15°	402.2	353.4	283.9	251.6	240.8	235.1	232.6	230.2	226.9	225.4	226.0
17.5°	428.0	370.5	289.4	254.7	242.5	235.5	230.5	227.1	223.7	221.6	221.8
20°	457.1	387.4	294.2	255.8	241.6	231.9	225.8	221.8	217.4	215.0	214.4
22.5°	487.3	405.1	298.0	255.0	237.0	225.8	218.8	214.0	208.7	205.1	205.3
25°	524.1	429.2	301.2	252.0	230.9	217.8	210.0	203.8	198.3	195.0	195.2
27.5°	568.2	456.5	305.0	247.4	223.5	209.1	200.0	193.9	188.6	185.5	185.0
30°	627.1	492.0	309.2	241.6	214.2	199.6	190.7	184.4	179.3	176.4	176.4
32.5°	693.5	535.3	312.2	234.9	203.8	189.5	181.4	176.4	172.6	168.6	168.1
35°	751.1	568.8	321.3	229.6	194.8	180.0	174.5	170.9	165.2	161.4	160.7
37.5°	835.8	628.0	348.1	228.1	183.8	172.6	171.5	164.8	158.2	151.0	150.4
40°	972.3	730.4	379.4	220.9	172.4	168.6	167.5	158.4	143.0	138.6	137.7
42.5°	1145.9	853.8	382.7	200.0	164.3	165.2	162.0	144.3	137.5	134.1	133.3
45°	1302.7	953.9	363.5	178.7	158.4	160.1	153.6	139.0	135.2	132.0	131.2
47.5°	1390.7	984.8	327.2	162.6	154.0	155.7	140.0	136.5	132.7	129.5	128.6
50°	1415.5	957.9	284.9	153.4	150.6	151.2	136.5	134.3	131.0	128.4	127.2
52.5°	1420.3	917.8	245.9	147.9	148.1	142.4	133.3	131.6	129.5	125.5	124.0
55°	1422.4	881.7	210.8	144.5	146.4	131.0	129.9	128.6	126.9	122.7	121.9
57.5°	1427.9	835.4	183.3	141.9	144.3	125.7	126.1	125.3	123.1	121.2	120.8
60°	1412.3	771.4	162.2	139.4	141.3	121.2	121.7	122.1	120.2	119.8	119.6
62.5°	1359.9	680.6	144.3	136.0	135.2	116.8	116.8	118.5	116.8	117.4	117.4
65°	1252.0	564.8	128.2	129.7	125.7	112.0	111.7	114.7	112.2	114.9	115.1
67.5°	1068.0	427.5	111.7	119.8	115.8	106.9	107.7	110.1	106.7	112.4	112.4
70°	845.3	290.9	94.6	105.8	105.6	101.2	103.9	103.7	99.9	108.4	106.9
72.5°	629.7	186.7	77.1	88.7	92.3	95.1	100.1	95.7	92.1	97.0	92.5
75°	440.0	117.0	60.8	70.1	76.9	88.3	95.5	86.6	81.3	79.8	78.6
77.5°	263.4	74.8	47.9	53.4	60.0	80.3	89.6	77.1	69.1	68.2	65.7
80°	121.5	48.8	36.5	39.9	42.7	68.9	81.5	65.9	56.2	55.3	52.4
82.5°	54.9	32.1	27.2	28.5	28.7	54.7	68.9	52.2	42.9	69.5	60.2
85°	25.6	20.7	17.7	16.9	17.1	36.5	50.1	35.9	48.8	38.0	28.9
87.5°	11.0	10.6	9.1	7.2	6.5	7.8	19.2	15.0	21.3	8.4	5.7
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)