

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: P671923

Luminaire Tested: **CCP-SA-1B-722-U-AFL**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671923
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-722-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ AFL
distribution lens
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2567.2 lumens
Efficiency: N/A
Efficacy: 107.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

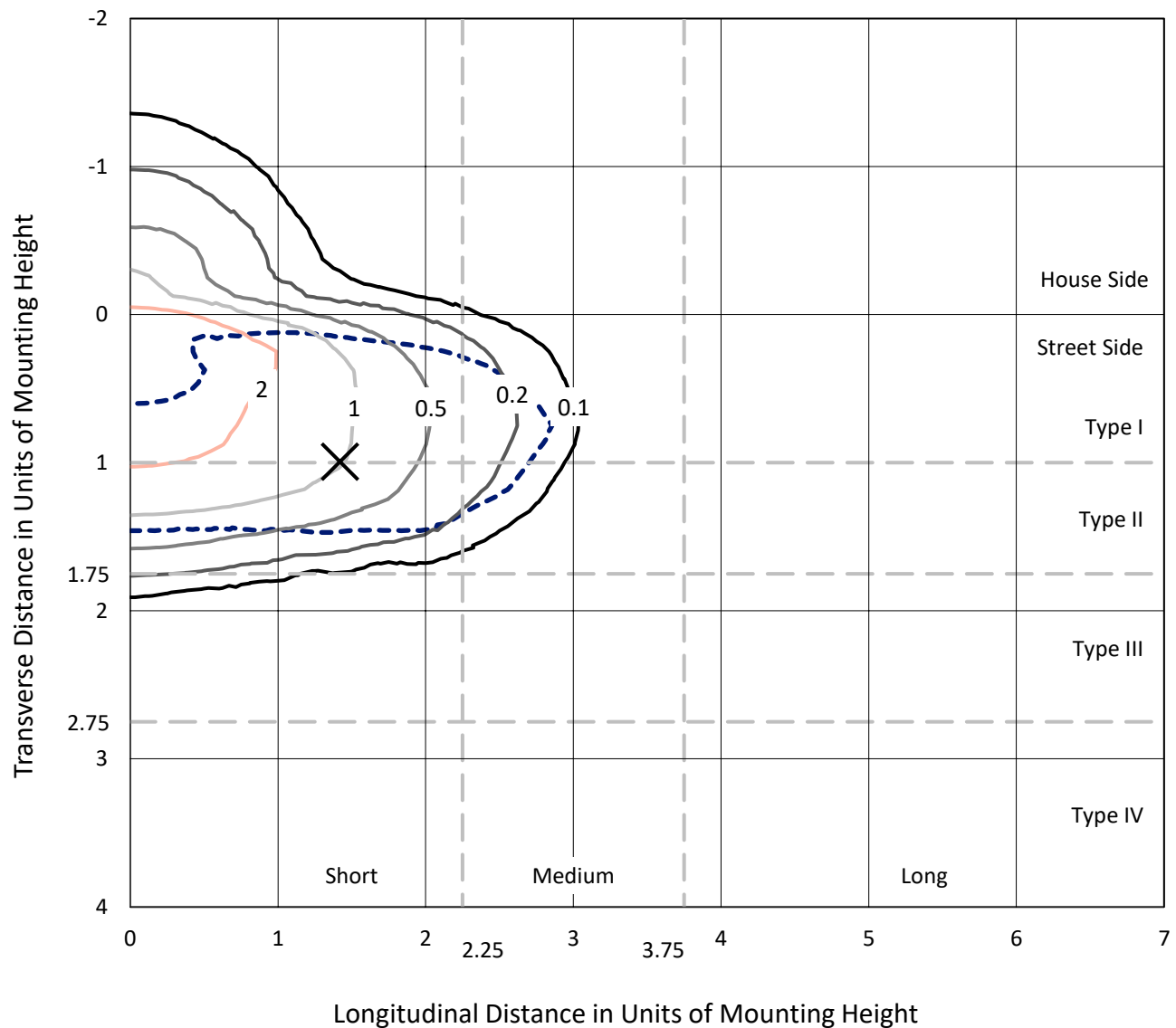
Input Watts (W): 24
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

REPORT NUMBER: P671923

CATALOG NUMBER: CCP-SA-1B-722-U-AFL

Iso-Footcandle Lines of Horizontal Illumination

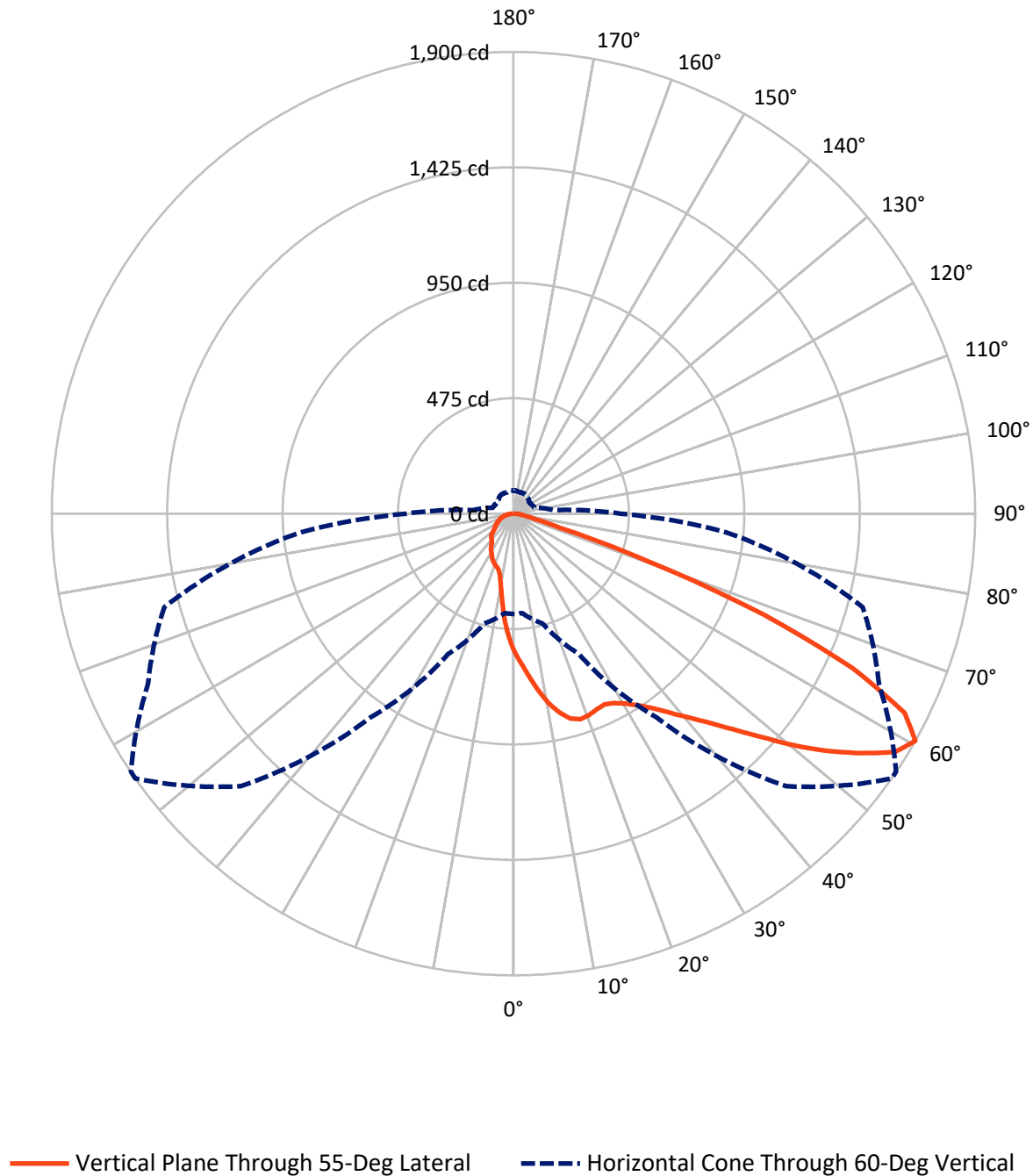
× Max cd
- - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.6 fc
Type II - Short - N/A

REPORT NUMBER: P671923
CATALOG NUMBER: CCP-SA-1B-722-U-AFL

Luminous Intensity Polar Plot



REPORT NUMBER: P671923

CATALOG NUMBER: CCP-SA-1B-722-U-AFL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	369.0	0.0	369.0
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	2198.2	0.0	2198.2
	% Fixture	85.6	0.0	85.6
Total	Lumens	2567.2	0.0	2567.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.3	2.1
10°-20°	151.0	5.9
20°-30°	245.8	9.6
30°-40°	367.3	14.3
40°-50°	539.9	21.0
50°-60°	632.8	24.6
60°-70°	417.2	16.3
70°-80°	132.9	5.2
80°-90°	27.0	1.1
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°	2567.2	100.0
0°-180°	2567.2	100.0



REPORT NUMBER: P671923

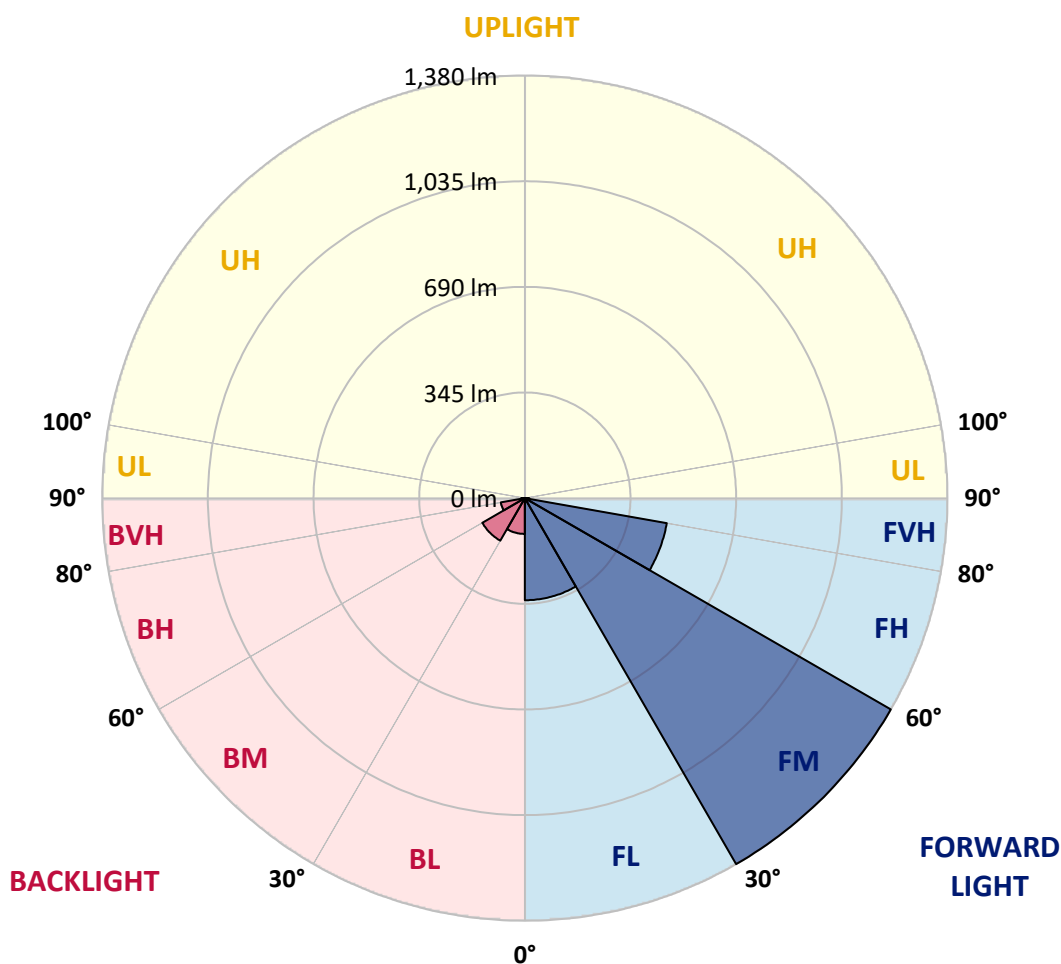
CATALOG NUMBER: CCP-SA-1B-722-U-AFL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	333.2	13.0			
FM	(30°-60°)	1379.7	53.7			
FH	(60°-80°)	470.5	18.3			G0/660
FVH	(80°-90°)	14.8	0.6			G1/100
BL	(0°-30°)	116.8	4.6	B1/500		
BM	(30°-60°)	160.4	6.2	B0/220		
BH	(60°-80°)	79.6	3.1	B0/110		G0/110
BVH	(80°-90°)	12.2	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





REPORT NUMBER: P671923

CATALOG NUMBER: CCP-SA-1B-722-U-AFL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	569.3	569.3	569.3	569.3	569.3	569.3	569.3	569.3	569.3	569.3	569.3
2.5°	662.6	660.1	660.1	654.0	644.9	632.2	617.2	613.4	607.7	593.0	574.0
5°	763.6	761.0	757.5	746.7	729.7	704.4	672.6	666.8	646.2	615.9	581.6
7.5°	830.4	828.9	827.8	818.5	801.7	776.8	734.2	727.7	692.7	642.5	588.9
10°	823.5	828.0	835.8	842.3	845.6	832.8	792.8	785.2	741.8	673.4	599.7
12.5°	758.9	765.3	779.8	806.4	837.1	861.8	839.1	834.9	794.3	706.1	613.3
15°	710.9	713.5	720.6	740.3	786.1	852.2	875.0	871.1	843.2	748.2	628.9
17.5°	696.1	697.2	698.8	705.4	736.6	814.4	889.7	893.5	890.7	791.9	646.6
20°	703.5	704.2	704.4	705.5	720.4	782.8	885.8	892.2	932.4	835.6	664.1
22.5°	732.2	731.2	729.9	725.6	734.0	777.2	875.4	885.5	964.5	875.4	680.2
25°	782.2	780.9	771.8	762.9	766.4	797.3	869.8	880.6	989.7	913.0	692.1
27.5°	841.7	840.4	831.1	814.2	810.5	830.8	882.9	889.6	1008.1	946.3	697.4
30°	903.5	903.5	892.0	872.4	860.5	869.1	906.9	912.3	1022.0	978.5	700.7
32.5°	970.9	972.7	954.9	932.5	919.3	914.3	940.5	945.2	1042.3	1016.5	707.8
35°	1057.4	1053.3	1031.5	1002.1	980.9	969.6	982.2	987.6	1072.1	1063.7	719.1
37.5°	1154.7	1147.4	1120.6	1085.5	1048.5	1029.5	1037.9	1039.2	1116.2	1125.3	739.8
40°	1235.1	1233.8	1211.1	1177.8	1131.1	1105.6	1101.5	1102.2	1177.4	1198.2	771.0
42.5°	1302.8	1298.0	1293.9	1282.1	1232.7	1190.8	1174.0	1174.2	1243.8	1273.6	802.5
45°	1332.8	1331.8	1343.9	1374.1	1338.5	1289.2	1265.4	1268.8	1319.9	1351.0	832.8
47.5°	1319.9	1320.7	1353.0	1432.1	1453.1	1415.4	1373.1	1371.1	1393.6	1410.3	859.6
50°	1205.3	1217.4	1305.0	1437.5	1528.3	1547.1	1499.5	1491.8	1458.2	1457.6	876.0
52.5°	1118.8	1118.2	1172.0	1382.6	1554.9	1666.0	1623.2	1606.1	1511.6	1484.2	877.3
55°	1001.9	1001.2	1041.2	1222.1	1502.1	1749.0	1739.9	1718.5	1560.5	1493.0	868.3
57.5°	758.8	772.9	812.7	978.3	1334.6	1735.8	1851.3	1833.5	1608.3	1489.1	866.7
60°	412.9	411.2	468.9	637.6	1021.8	1585.8	1899.9	1898.9	1659.1	1487.6	876.9
62.5°	190.3	188.5	200.0	283.9	585.9	1270.4	1806.1	1819.5	1706.2	1474.0	876.0
65°	142.3	137.5	121.9	132.1	224.2	758.4	1534.1	1569.8	1633.6	1418.2	835.4
67.5°	126.9	122.2	104.0	97.5	112.6	267.6	1112.8	1145.8	1366.1	1313.6	769.7
70°	116.3	112.2	94.0	83.7	84.5	118.5	582.6	647.3	1001.2	1096.3	656.1
72.5°	106.1	102.5	86.0	73.7	71.1	78.3	198.5	239.5	622.7	798.9	489.2
75°	95.3	91.9	77.4	66.1	61.0	58.1	94.5	101.8	329.3	441.2	262.5
77.5°	82.8	80.9	69.0	58.2	54.0	43.9	62.9	66.1	141.0	173.2	125.0
80°	72.0	70.5	61.6	52.8	48.4	33.9	43.4	45.6	69.6	86.5	70.0
82.5°	46.9	50.6	51.0	45.4	42.6	27.2	28.7	30.3	46.1	51.0	30.5
85°	19.4	23.4	35.2	31.3	29.6	23.1	19.0	19.4	28.3	29.8	11.0
87.5°	8.7	9.7	17.3	17.5	15.3	8.7	9.5	10.4	14.5	14.3	4.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P671923

CATALOG NUMBER: CCP-SA-1B-722-U-AFL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	569.3	569.3	569.3	569.3	569.3	569.3	569.3	569.3	569.3	569.3	569.3
2.5°	568.8	560.2	545.0	525.4	511.5	501.2	490.1	481.9	472.8	464.8	466.1
5°	567.5	550.9	516.7	480.4	445.1	416.0	391.8	374.0	355.6	348.3	347.4
7.5°	568.6	540.5	484.3	425.0	371.2	334.2	306.1	289.1	278.5	272.4	272.8
10°	568.2	530.6	449.3	367.5	308.7	274.8	257.7	252.1	251.2	251.9	253.0
12.5°	568.8	517.3	410.1	315.7	263.8	246.5	247.3	252.3	255.5	257.5	258.8
15°	571.2	506.3	369.9	275.0	240.4	240.9	249.0	256.8	261.4	263.6	264.8
17.5°	574.7	492.5	334.2	244.1	230.5	239.1	249.5	257.9	261.4	262.7	263.6
20°	575.1	476.7	298.1	222.9	224.0	235.2	244.3	251.0	255.5	257.0	257.7
22.5°	573.4	455.3	261.0	207.5	216.6	227.7	235.6	243.2	237.2	232.4	231.1
25°	566.4	428.3	229.4	194.8	207.3	217.7	226.6	218.3	215.5	211.7	212.1
27.5°	551.1	394.6	199.6	182.9	196.3	211.2	204.7	203.6	200.0	196.3	196.3
30°	531.0	359.1	174.7	170.4	183.1	190.5	192.0	190.3	188.3	183.5	183.8
32.5°	513.0	321.5	157.0	160.0	174.7	174.7	181.2	181.2	173.8	160.2	160.2
35°	495.1	286.2	144.0	151.3	160.9	164.1	173.0	161.3	150.7	144.6	144.2
37.5°	481.2	256.0	135.5	143.8	147.5	155.5	155.7	147.2	143.6	138.1	137.5
40°	473.0	230.7	130.2	140.1	140.5	147.9	135.6	138.1	137.3	133.0	132.5
42.5°	468.5	211.2	126.3	136.9	135.1	127.8	125.6	129.7	131.0	128.8	127.8
45°	465.0	195.9	123.2	126.0	130.8	117.6	116.7	119.8	122.6	122.4	121.7
47.5°	463.1	185.3	120.4	119.1	120.0	111.5	109.6	111.1	114.6	116.8	116.7
50°	455.9	177.1	116.3	112.0	106.1	106.1	105.1	105.1	109.4	113.9	114.2
52.5°	443.0	167.5	110.3	105.3	98.4	101.4	101.8	101.0	105.5	110.3	110.7
55°	428.9	160.2	102.3	99.2	92.1	97.1	98.8	98.1	101.0	104.4	104.2
57.5°	429.1	160.0	95.4	93.0	86.1	91.7	95.8	96.0	95.8	98.2	98.2
60°	439.8	163.7	90.1	84.8	79.3	86.0	92.7	92.7	91.4	94.9	95.3
62.5°	443.0	163.4	86.7	77.0	73.1	80.8	88.0	89.1	88.2	93.2	93.8
65°	415.1	154.6	83.4	70.0	67.5	75.0	82.2	85.4	84.5	91.0	91.7
67.5°	376.4	143.3	78.1	63.6	61.8	69.4	76.3	79.6	79.4	88.0	88.4
70°	324.5	129.3	71.6	57.1	56.2	62.9	69.0	72.6	74.2	84.1	83.9
72.5°	251.4	110.9	61.8	50.2	50.1	56.2	61.6	65.5	68.7	78.1	78.1
75°	162.1	87.3	50.4	43.5	42.8	48.6	54.1	58.6	68.3	83.4	83.2
77.5°	99.0	66.6	40.6	36.3	36.1	41.3	46.9	54.5	74.6	74.2	72.2
80°	59.4	47.8	32.4	29.0	29.0	33.9	40.0	58.4	62.0	70.7	66.8
82.5°	30.9	29.4	24.2	21.4	22.3	26.6	36.5	46.7	50.6	43.0	39.4
85°	12.7	15.6	14.9	13.6	14.1	18.4	35.2	37.4	30.0	31.4	31.6
87.5°	4.3	6.9	6.9	5.4	6.0	13.0	20.8	12.5	15.1	8.9	6.7
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)