

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: P672155

Luminaire Tested: **CCP-SA-1B-830-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672155
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-830-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ T2R distribution lens
Light Source: (16) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

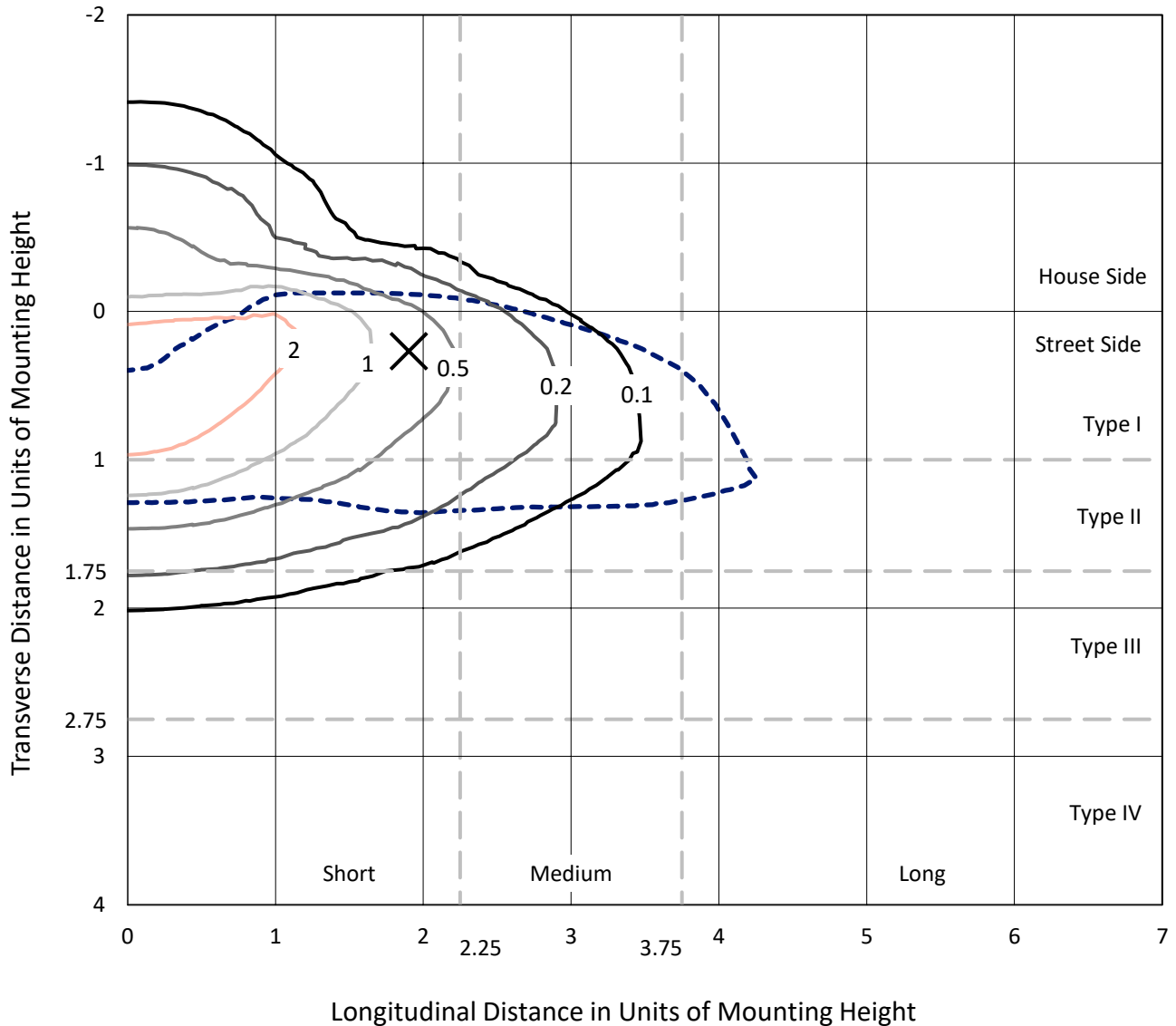
Lumens per Lamp: N/A
Luminaire Lumens: 2787.5 lumens
Efficiency: N/A
Efficacy: 116.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

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

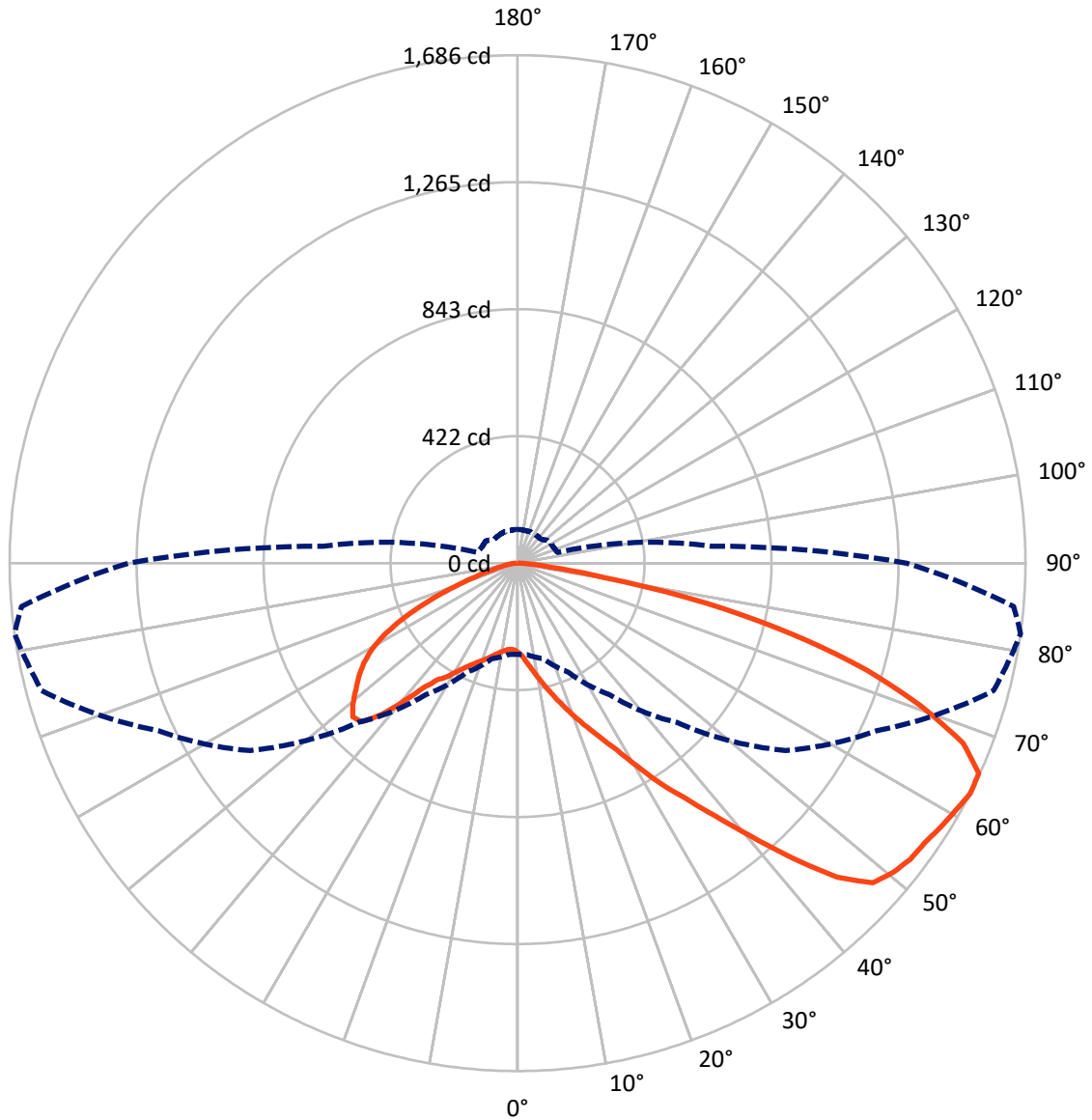
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.3 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	525.2	0.0	525.2
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	2262.3	0.0	2262.3
	% Fixture	81.2	0.0	81.2
Total	Lumens	2787.5	0.0	2787.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.8	1.2
10°-20°	123.7	4.4
20°-30°	256.2	9.2
30°-40°	434.9	15.6
40°-50°	592.2	21.2
50°-60°	599.4	21.5
60°-70°	472.4	16.9
70°-80°	232.7	8.3
80°-90°	43.0	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°	2787.5	100.0
0°-180°	2787.5	100.0

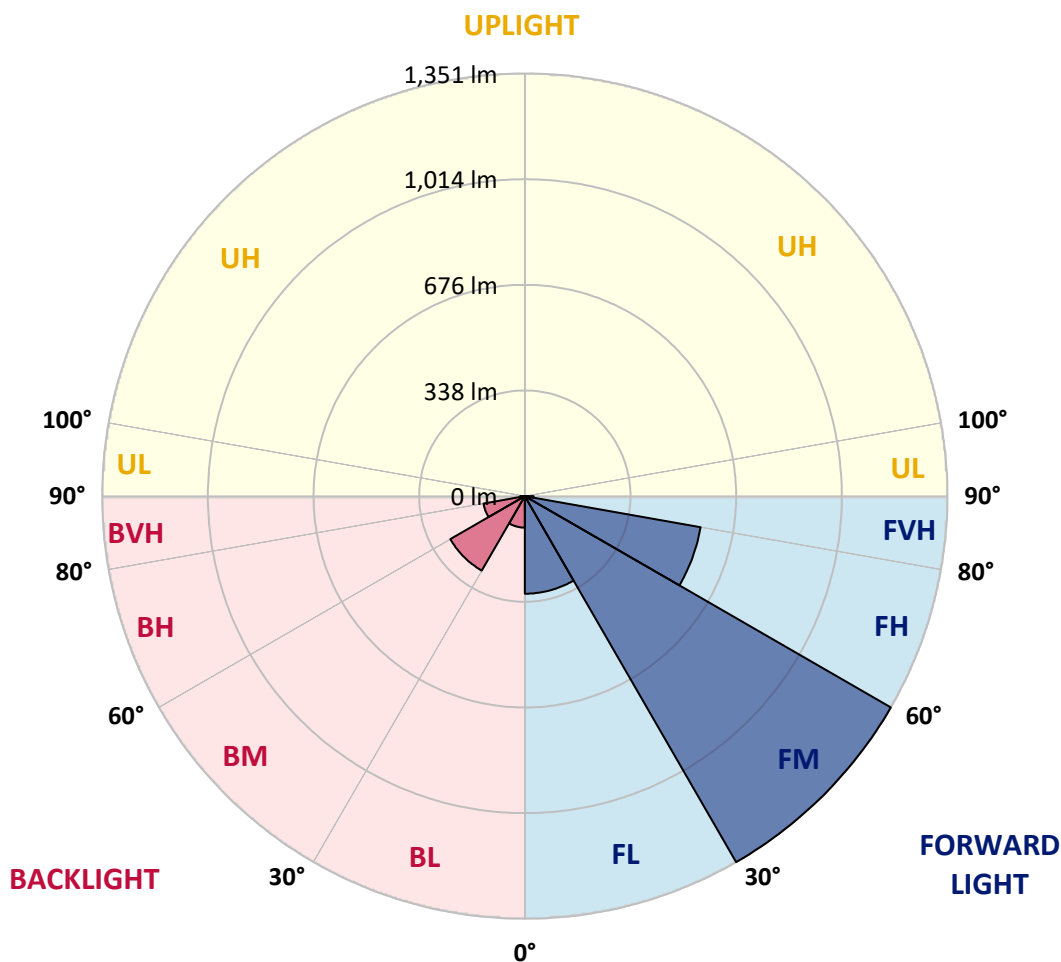


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	312.0	11.2			
FM (30°-60°)	1351.5	48.5			
FH (60°-80°)	570.9	20.5			G0/660
FVH (80°-90°)	28.0	1.0			G1/100
BL (0°-30°)	100.8	3.6	B0/110		
BM (30°-60°)	275.1	9.9	B1/1000		
BH (60°-80°)	134.2	4.8	B1/500		G1/500
BVH (80°-90°)	15.1	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°	296.4	296.4	296.4	296.4	296.4	296.4	296.4	296.4	296.4	296.4	296.4
2.5°	394.8	388.8	385.5	381.9	371.9	365.5	353.4	339.4	323.1	309.3	306.7
5°	478.1	472.0	472.8	464.0	449.4	435.7	413.2	386.7	355.8	332.2	323.9
7.5°	536.9	530.2	531.8	528.2	516.4	501.3	472.8	438.7	393.6	358.4	345.2
10°	576.2	577.0	578.2	576.8	569.2	558.5	530.2	492.5	436.3	389.6	371.5
12.5°	620.8	623.0	622.6	623.2	619.2	610.7	583.0	547.5	481.9	423.1	399.6
15°	677.6	675.3	677.2	679.8	675.3	666.1	641.6	599.5	529.6	460.4	431.3
17.5°	739.8	735.2	740.0	737.4	734.2	728.1	701.2	656.3	579.0	500.7	466.6
20°	793.6	790.5	793.2	793.6	794.2	793.0	765.3	717.5	630.8	544.7	504.8
22.5°	854.0	852.6	852.2	852.4	853.0	854.4	835.5	784.5	688.2	590.9	545.9
25°	938.5	937.1	927.8	917.6	911.6	916.0	906.2	860.6	751.6	642.6	591.1
27.5°	1033.2	1031.0	1018.7	992.9	973.6	976.8	975.8	944.5	824.7	702.0	645.2
30°	1131.5	1126.1	1109.3	1072.9	1042.6	1037.0	1039.8	1029.4	916.6	780.9	720.7
32.5°	1219.2	1209.2	1186.9	1150.2	1114.1	1097.8	1098.2	1102.8	1016.5	872.8	799.8
35°	1272.8	1266.2	1249.5	1212.4	1172.1	1161.2	1158.2	1181.3	1108.3	957.9	870.6
37.5°	1301.7	1295.3	1277.4	1247.5	1217.0	1212.6	1218.2	1254.0	1212.4	1064.1	967.0
40°	1296.5	1289.7	1278.0	1257.2	1237.1	1240.5	1265.4	1320.6	1326.2	1191.1	1104.2
42.5°	1253.6	1246.3	1245.3	1243.9	1234.5	1249.5	1294.5	1369.4	1430.8	1337.9	1270.4
45°	1177.7	1173.3	1178.5	1202.6	1214.4	1243.5	1308.1	1393.0	1522.7	1487.0	1427.6
47.5°	1081.6	1079.0	1090.8	1128.9	1167.3	1225.1	1317.2	1399.5	1585.9	1585.9	1530.5
50°	974.0	973.0	988.6	1044.0	1104.0	1191.1	1316.2	1405.5	1613.6	1615.0	1566.8
52.5°	823.9	829.1	870.8	943.9	1025.4	1138.0	1302.1	1422.3	1629.3	1632.5	1591.1
55°	650.9	655.9	718.9	817.2	921.6	1073.3	1260.2	1417.3	1632.3	1639.5	1605.0
57.5°	519.6	520.6	559.9	676.8	806.0	990.6	1211.8	1384.0	1623.4	1655.0	1626.3
60°	406.6	409.8	436.1	528.6	671.9	884.1	1157.8	1351.1	1628.5	1669.6	1645.5
62.5°	302.9	303.7	328.1	399.8	533.9	748.2	1084.6	1316.0	1635.5	1686.1	1653.3
65°	197.3	197.1	220.8	285.4	398.8	601.5	969.6	1261.0	1636.1	1682.4	1617.4
67.5°	125.4	126.2	136.5	177.2	266.9	454.0	813.0	1158.8	1607.6	1594.9	1486.6
70°	101.8	102.0	105.2	115.8	162.6	310.3	611.1	999.1	1517.5	1420.5	1292.1
72.5°	90.7	90.9	92.5	93.7	108.4	186.4	401.0	811.2	1357.3	1210.8	1071.9
75°	81.5	81.5	82.5	81.3	88.9	117.0	227.6	609.9	1117.9	942.9	809.8
77.5°	71.4	71.2	71.2	70.6	76.9	85.5	114.0	425.7	805.2	643.0	525.2
80°	60.6	60.2	60.8	60.4	66.4	64.8	66.4	262.7	436.5	294.8	223.6
82.5°	47.2	47.2	49.0	49.4	54.8	47.0	46.8	124.6	165.8	110.2	82.5
85°	24.7	27.7	37.3	38.9	41.3	29.5	34.3	58.2	66.4	42.1	30.1
87.5°	7.4	7.8	22.9	25.7	25.5	14.9	21.1	28.1	31.1	18.7	12.2
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°	296.4	296.4	296.4	296.4	296.4	296.4	296.4	296.4	296.4	296.4	296.4
2.5°	300.0	293.0	278.2	264.9	254.9	245.3	238.6	235.2	230.8	231.4	230.0
5°	309.3	294.8	268.5	247.3	233.0	222.2	215.5	212.1	208.9	207.3	208.5
7.5°	323.1	300.6	263.9	238.2	223.4	214.1	210.5	209.5	208.7	208.1	209.1
10°	341.0	310.9	263.1	235.0	221.4	215.8	214.3	213.7	212.9	212.1	212.7
12.5°	359.2	322.1	265.9	235.8	224.6	220.4	218.6	217.8	215.8	214.7	214.9
15°	382.1	335.8	269.7	239.0	228.8	223.4	221.0	218.8	215.5	214.1	214.7
17.5°	406.6	352.0	275.0	242.0	230.4	223.8	219.0	215.8	212.5	210.5	210.7
20°	434.3	368.1	279.6	243.0	229.6	220.4	214.5	210.7	206.5	204.3	203.7
22.5°	463.0	384.9	283.2	242.2	225.2	214.5	207.9	203.3	198.3	194.9	195.1
25°	497.9	407.8	286.2	239.4	219.4	206.9	199.5	193.7	188.5	185.2	185.4
27.5°	539.9	433.7	289.8	235.0	212.3	198.7	190.1	184.2	179.2	176.2	175.8
30°	595.9	467.4	293.8	229.6	203.5	189.7	181.2	175.2	170.4	167.6	167.6
32.5°	658.9	508.6	296.6	223.2	193.7	180.0	172.4	167.6	164.0	160.2	159.8
35°	713.7	540.5	305.3	218.2	185.0	171.0	165.8	162.4	156.9	153.3	152.7
37.5°	794.2	596.7	330.7	216.8	174.6	164.0	163.0	156.5	150.3	143.5	142.9
40°	923.8	694.0	360.5	209.9	163.8	160.2	159.2	150.5	135.9	131.7	130.9
42.5°	1088.8	811.2	363.7	190.1	156.1	156.9	153.9	137.1	130.7	127.4	126.6
45°	1237.7	906.4	345.4	169.8	150.5	152.1	145.9	132.1	128.4	125.4	124.6
47.5°	1321.4	935.7	310.9	154.5	146.3	147.9	133.1	129.7	126.0	123.0	122.2
50°	1344.9	910.2	270.7	145.7	143.1	143.7	129.7	127.6	124.4	122.0	120.8
52.5°	1349.5	872.0	233.6	140.5	140.7	135.3	126.6	125.0	123.0	119.2	117.8
55°	1351.5	837.7	200.3	137.3	139.1	124.4	123.4	122.2	120.6	116.6	115.8
57.5°	1356.7	793.8	174.2	134.9	137.1	119.4	119.8	119.0	117.0	115.2	114.8
60°	1341.9	732.9	154.1	132.5	134.3	115.2	115.6	116.0	114.2	113.8	113.6
62.5°	1292.1	646.6	137.1	129.2	128.4	111.0	111.0	112.6	111.0	111.6	111.6
65°	1189.5	536.7	121.8	123.2	119.4	106.4	106.2	109.0	106.6	109.2	109.4
67.5°	1014.7	406.2	106.2	113.8	110.0	101.6	102.4	104.6	101.4	106.8	106.8
70°	803.2	276.4	89.9	100.5	100.3	96.1	98.7	98.5	94.9	103.0	101.6
72.5°	598.3	177.4	73.3	84.3	87.7	90.3	95.1	90.9	87.5	92.1	87.9
75°	418.1	111.2	57.8	66.6	73.1	83.9	90.7	82.3	77.3	75.9	74.7
77.5°	250.3	71.0	45.6	50.8	57.0	76.3	85.1	73.3	65.6	64.8	62.4
80°	115.4	46.4	34.7	37.9	40.5	65.4	77.5	62.6	53.4	52.6	49.8
82.5°	52.2	30.5	25.9	27.1	27.3	52.0	65.4	49.6	40.7	66.0	57.2
85°	24.3	19.7	16.9	16.1	16.3	34.7	47.6	34.1	46.4	36.1	27.5
87.5°	10.4	10.0	8.6	6.8	6.2	7.4	18.3	14.2	20.3	8.0	5.4
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)