

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: P674403

Luminaire Tested: **CCP-SA-1A-735-U-AFL-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674403
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-735-U-AFL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ AFL distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

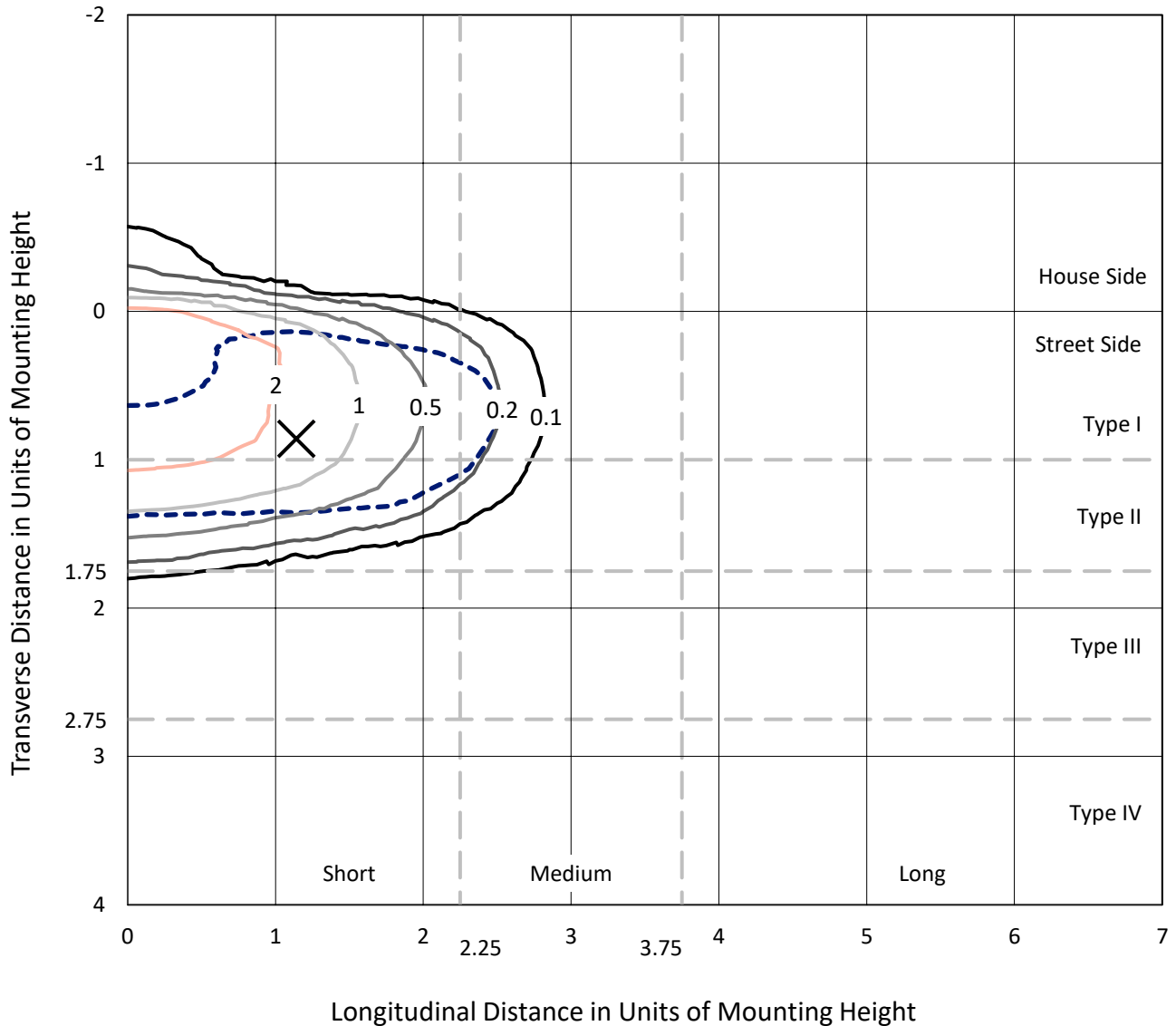
Lumens per Lamp: N/A
Luminaire Lumens: 2237.6 lumens
Efficiency: N/A
Efficacy: 124.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

Input Watts (W): 18
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: P674403
 CATALOG NUMBER: CCP-SA-1A-735-U-AFL-HSS

Iso-Footcandle Lines of Horizontal Illumination

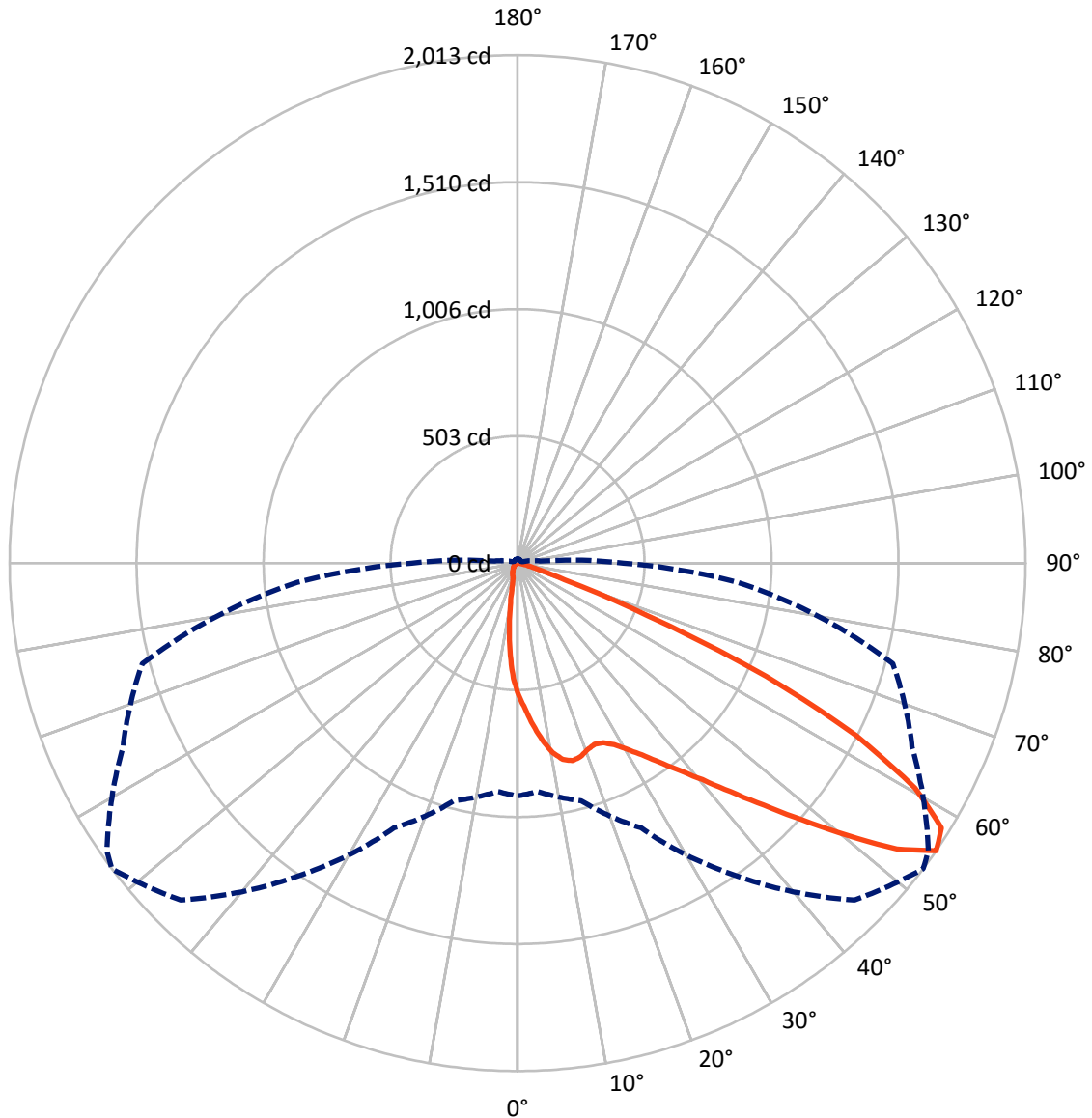
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P674403
CATALOG NUMBER: CCP-SA-1A-735-U-AFL-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P674403
 CATALOG NUMBER: CCP-SA-1A-735-U-AFL-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	121.0	0.0	121.0
	% Fixture	5.4	0.0	5.4
Street Side	Lumens	2116.7	0.0	2116.7
	% Fixture	94.6	0.0	94.6
Total	Lumens	2237.6	0.0	2237.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.8	2.1
10°-20°	122.3	5.5
20°-30°	204.7	9.2
30°-40°	335.0	15.0
40°-50°	538.5	24.1
50°-60°	607.9	27.2
60°-70°	324.3	14.5
70°-80°	53.3	2.4
80°-90°	4.8	0.2
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°	2237.6	100.0
0°-180°	2237.6	100.0

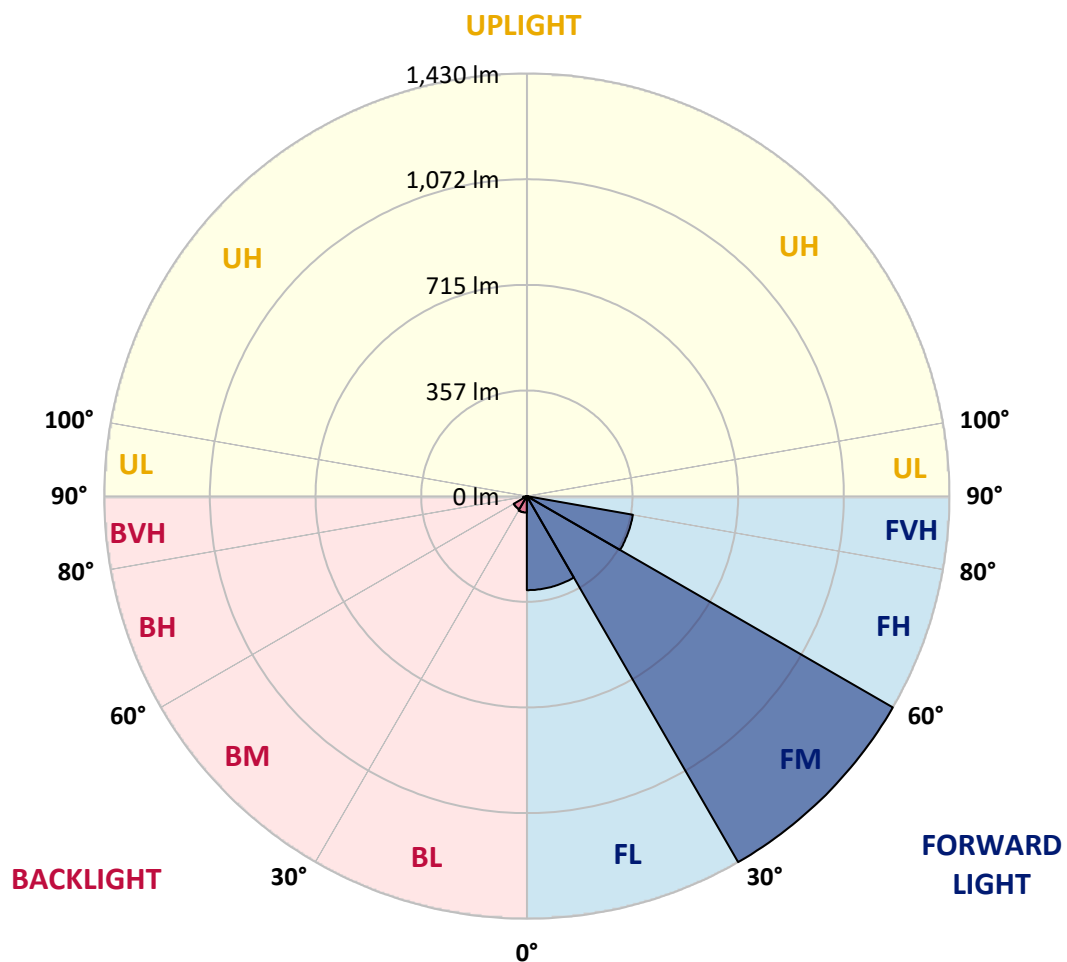


REPORT NUMBER: P674403
 CATALOG NUMBER: CCP-SA-1A-735-U-AFL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	318.1	14.2			
FM (30°-60°)	1429.8	63.9			
FH (60°-80°)	364.3	16.3			G0/660
FVH (80°-90°)	4.4	0.2			G0/10
BL (0°-30°)	55.8	2.5	B0/110		
BM (30°-60°)	51.5	2.3	B0/220		
BH (60°-80°)	13.2	0.6	B0/110		G0/110
BVH (80°-90°)	0.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G0
 Type II Short





REPORT NUMBER: P674403
 CATALOG NUMBER: CCP-SA-1A-735-U-AFL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	523.7	523.7	523.7	523.7	523.7	523.7	523.7	523.7	523.7	523.7	523.7
2.5°	628.0	624.2	626.4	620.7	610.3	597.4	578.0	578.9	563.6	550.3	531.9
5°	731.7	727.7	726.6	712.1	697.6	674.2	645.4	640.7	612.7	578.7	540.1
7.5°	786.4	783.0	785.6	780.3	766.0	744.8	708.3	704.8	661.5	610.1	553.3
10°	761.3	760.1	770.9	783.4	795.0	792.4	763.2	757.7	709.1	644.6	566.8
12.5°	693.8	697.6	711.3	734.4	770.1	803.6	798.9	799.9	757.7	682.1	581.7
15°	654.2	658.7	666.6	678.5	722.5	782.1	812.4	822.2	804.4	723.8	599.3
17.5°	650.9	654.6	655.8	660.3	686.0	747.3	806.9	825.6	846.0	763.2	619.1
20°	676.6	678.1	677.2	673.8	683.0	728.5	789.7	816.4	880.3	805.2	636.6
22.5°	725.0	722.6	719.7	707.4	706.8	733.8	780.3	808.1	900.7	839.9	648.1
25°	785.0	780.1	776.0	758.5	750.3	761.5	788.7	811.1	919.1	873.6	656.4
27.5°	850.5	852.0	841.8	818.3	805.4	803.0	814.8	831.5	936.9	903.8	660.9
30°	920.5	921.2	907.9	883.6	871.8	856.7	856.0	866.0	956.1	938.5	665.2
32.5°	1000.3	1002.4	980.7	955.4	934.8	915.2	905.6	914.0	990.6	983.8	674.0
35°	1115.5	1106.1	1076.7	1038.5	1009.3	983.6	968.9	974.4	1036.5	1038.1	691.7
37.5°	1234.3	1233.4	1200.8	1145.7	1097.9	1065.9	1040.8	1049.9	1101.0	1110.8	719.9
40°	1345.1	1347.7	1319.4	1271.4	1209.8	1154.9	1128.1	1134.2	1186.7	1199.1	754.2
42.5°	1417.5	1416.1	1418.2	1404.5	1342.8	1278.1	1237.7	1241.0	1286.3	1292.8	797.1
45°	1450.8	1445.5	1463.9	1507.4	1482.9	1414.9	1368.8	1364.7	1389.6	1387.8	836.2
47.5°	1422.0	1412.2	1454.5	1559.4	1606.8	1586.3	1520.4	1512.9	1491.8	1477.6	876.7
50°	1278.6	1274.3	1364.9	1534.7	1684.7	1744.7	1696.2	1668.6	1582.9	1543.9	898.1
52.5°	1142.4	1130.4	1191.6	1408.6	1650.0	1872.1	1882.1	1832.9	1658.6	1562.9	890.9
55°	922.8	908.1	974.8	1157.3	1512.5	1888.4	2012.7	1987.0	1724.9	1539.4	876.2
57.5°	560.5	546.0	644.0	828.9	1209.6	1753.1	1980.5	2006.6	1775.8	1513.5	866.5
60°	235.7	226.4	264.9	395.6	772.4	1440.8	1809.9	1875.0	1785.4	1478.0	870.5
62.5°	122.5	118.4	120.6	158.4	312.3	948.7	1506.5	1619.8	1688.6	1462.3	874.4
65°	91.9	88.8	81.9	87.0	121.4	410.1	1082.6	1234.3	1478.6	1422.6	847.9
67.5°	75.5	72.5	67.6	66.1	71.6	142.3	552.7	749.9	1158.7	1253.0	753.0
70°	60.2	59.2	57.6	54.7	53.7	69.0	198.2	305.6	766.2	883.6	545.8
72.5°	50.2	50.4	48.6	46.1	42.5	44.5	79.0	104.5	370.7	423.7	228.6
75°	42.0	42.0	42.5	39.0	35.5	30.6	43.9	51.0	119.0	97.8	48.8
77.5°	32.9	33.3	35.9	32.9	28.4	19.2	23.9	27.3	35.3	28.2	17.8
80°	26.3	25.9	24.9	29.6	25.5	13.5	11.4	12.5	16.5	13.5	8.8
82.5°	18.4	18.2	17.4	20.0	19.8	10.0	7.4	7.6	10.0	8.6	5.5
85°	4.5	5.3	11.2	9.4	8.2	5.9	4.5	4.9	6.5	5.7	2.9
87.5°	2.0	2.0	5.1	6.1	3.9	2.5	2.0	2.2	3.3	3.3	1.8
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: P674403
 CATALOG NUMBER: CCP-SA-1A-735-U-AFL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	523.7	523.7	523.7	523.7	523.7	523.7	523.7	523.7	523.7	523.7	523.7
2.5°	525.4	512.7	496.6	479.5	462.1	441.1	427.8	416.8	408.2	401.5	399.2
5°	527.4	502.9	466.4	421.1	375.0	331.9	298.6	273.9	253.5	242.3	237.4
7.5°	527.2	494.6	428.8	352.9	278.0	215.9	171.7	144.5	126.3	118.8	114.3
10°	527.0	483.9	385.8	277.2	185.9	125.1	92.1	76.9	70.2	67.6	67.2
12.5°	532.7	471.5	337.8	204.1	116.7	77.8	64.1	60.6	59.0	58.2	58.0
15°	535.8	460.1	287.2	144.1	78.6	61.6	57.2	55.7	55.1	54.7	54.5
17.5°	539.1	442.5	239.2	104.3	62.9	55.9	53.3	52.3	52.0	52.0	52.0
20°	539.7	423.5	191.5	76.9	55.9	52.1	49.6	48.6	48.0	47.6	47.6
22.5°	535.4	400.9	150.6	62.3	51.8	48.6	45.9	44.3	43.3	43.1	43.1
25°	524.6	369.0	115.5	54.7	48.4	45.1	41.8	40.0	39.2	39.2	39.2
27.5°	509.1	331.3	89.2	48.6	44.1	40.8	37.8	36.3	36.1	35.9	36.1
30°	491.5	295.1	68.2	43.1	39.0	36.3	33.9	33.1	33.5	33.5	33.7
32.5°	473.9	258.8	53.3	38.8	34.5	32.2	31.0	31.0	31.6	31.6	31.6
35°	458.8	223.3	44.7	35.3	31.4	29.4	28.8	29.4	29.8	30.0	30.0
37.5°	450.3	192.7	39.4	32.2	28.8	27.3	27.1	27.6	28.4	29.0	29.2
40°	447.2	169.2	36.3	29.8	26.5	25.5	25.3	26.1	27.4	28.4	28.6
42.5°	447.4	148.4	33.5	27.4	24.9	23.5	23.5	24.7	26.1	27.1	27.1
45°	448.8	130.6	30.8	25.1	23.5	21.2	21.4	22.9	23.9	24.9	24.9
47.5°	449.9	116.3	27.8	22.5	20.4	19.2	19.6	20.8	22.2	23.7	23.7
50°	443.1	106.1	24.9	19.8	17.8	17.4	18.2	19.2	21.2	22.7	22.9
52.5°	426.6	96.8	22.3	17.6	16.1	16.3	17.3	17.8	19.4	19.6	19.8
55°	419.4	92.1	20.4	16.1	14.7	15.3	15.9	16.1	15.7	14.7	14.7
57.5°	417.8	89.0	18.4	14.5	13.5	14.3	14.1	12.9	11.8	10.6	10.4
60°	419.4	84.7	16.9	12.5	12.4	12.5	12.0	9.8	8.2	7.4	7.1
62.5°	410.3	78.4	15.5	10.8	10.8	10.6	9.0	6.7	5.3	4.7	4.5
65°	380.5	66.1	14.1	9.0	8.8	8.4	6.1	4.5	3.5	2.9	2.7
67.5°	321.9	51.2	12.7	7.4	7.1	5.9	3.9	2.9	2.0	1.8	1.6
70°	219.6	31.8	10.8	5.9	5.3	3.7	2.4	1.8	1.2	1.0	0.8
72.5°	79.6	18.4	9.0	4.5	3.5	2.4	1.4	0.8	0.6	0.6	0.4
75°	18.8	12.9	6.9	3.3	2.4	1.4	0.8	0.6	0.4	0.4	0.2
77.5°	8.6	10.0	4.5	2.0	1.6	1.0	0.6	0.4	0.2	0.2	0.0
80°	4.9	7.1	2.2	1.4	1.2	0.8	0.4	0.2	0.2	0.0	0.0
82.5°	2.5	3.9	1.6	1.2	1.0	0.6	0.4	0.0	0.0	0.0	0.0
85°	1.8	2.0	1.2	1.0	0.8	0.6	0.4	0.0	0.0	0.0	0.0
87.5°	1.4	1.4	1.2	1.0	0.8	0.6	0.2	0.0	0.0	0.0	0.0
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)