

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: P674569

Luminaire Tested: **CCP-SA-1A-750-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674569
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-750-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ T2R distribution lens and House Side Shield
Light Source: (16) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

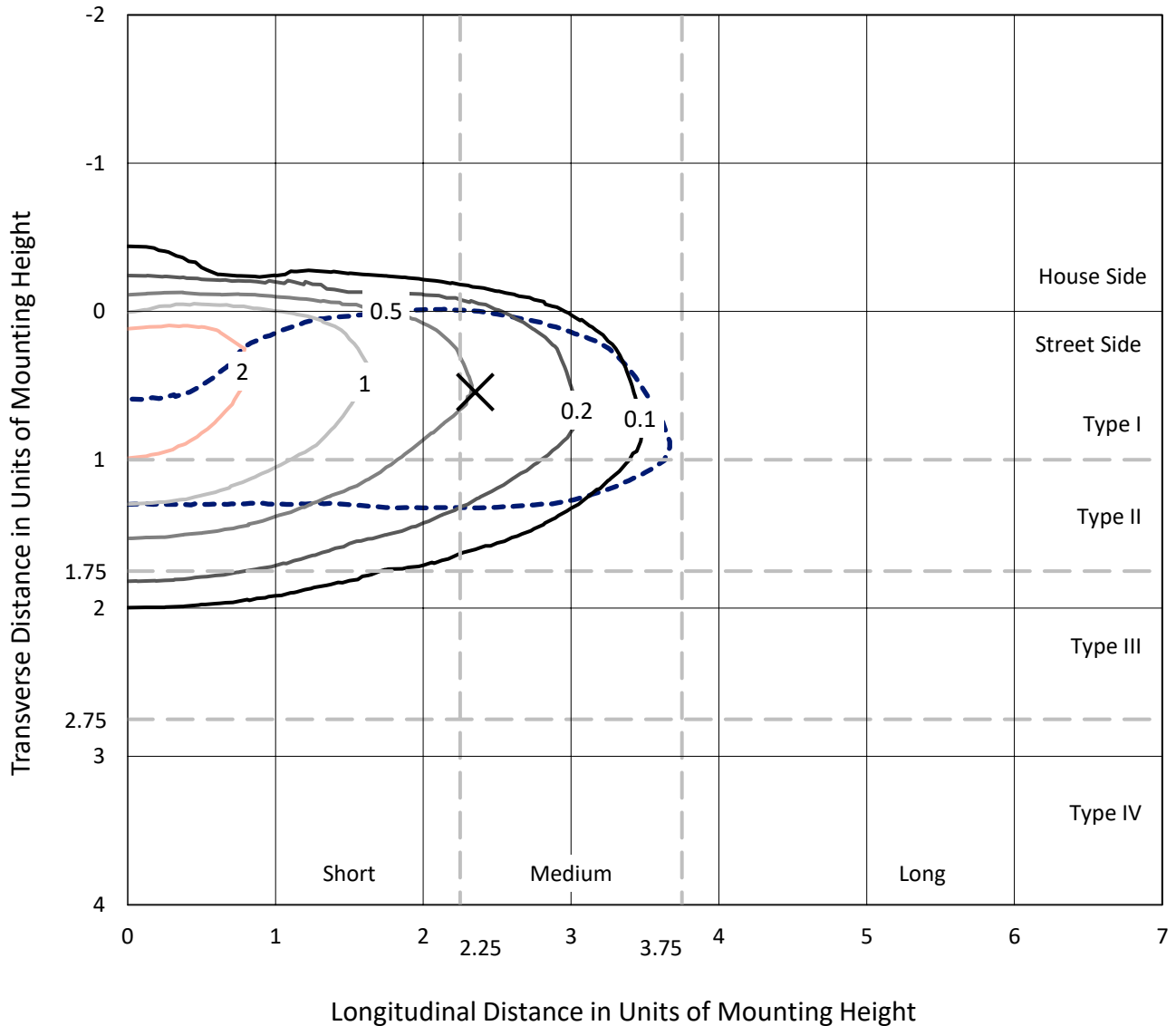
Lumens per Lamp: N/A
Luminaire Lumens: 2265.9 lumens
Efficiency: N/A
Efficacy: 125.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G0

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

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Iso-Footcandle Lines of Horizontal Illumination

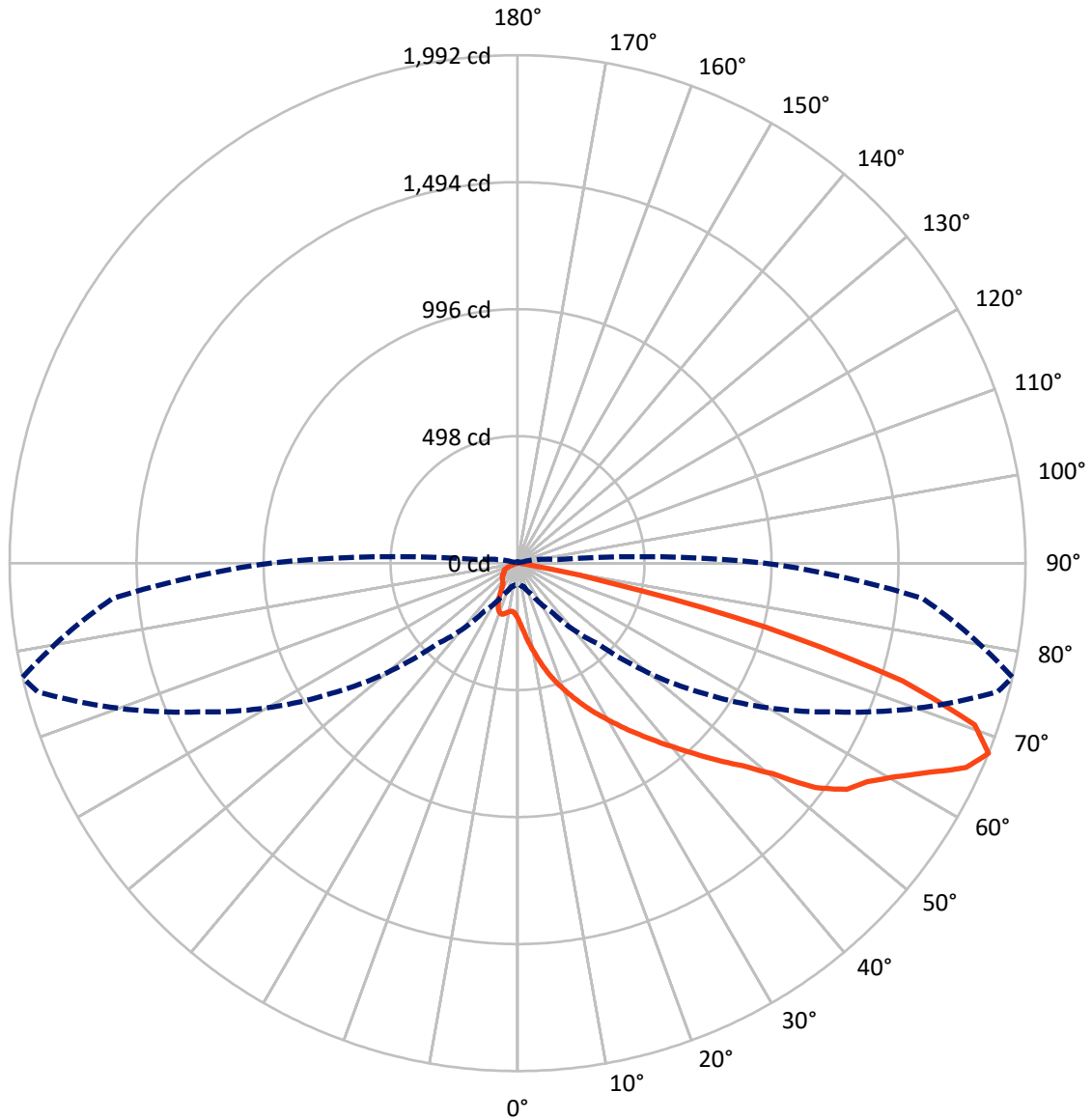
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.8 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	141.6	0.0	141.6
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	2124.3	0.0	2124.3
	% Fixture	93.8	0.0	93.8
Total	Lumens	2265.9	0.0	2265.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.5	1.1
10°-20°	94.3	4.2
20°-30°	184.3	8.1
30°-40°	322.2	14.2
40°-50°	469.9	20.7
50°-60°	549.4	24.2
60°-70°	445.4	19.7
70°-80°	167.3	7.4
80°-90°	7.6	0.3
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°	2265.9	100.0
0°-180°	2265.9	100.0



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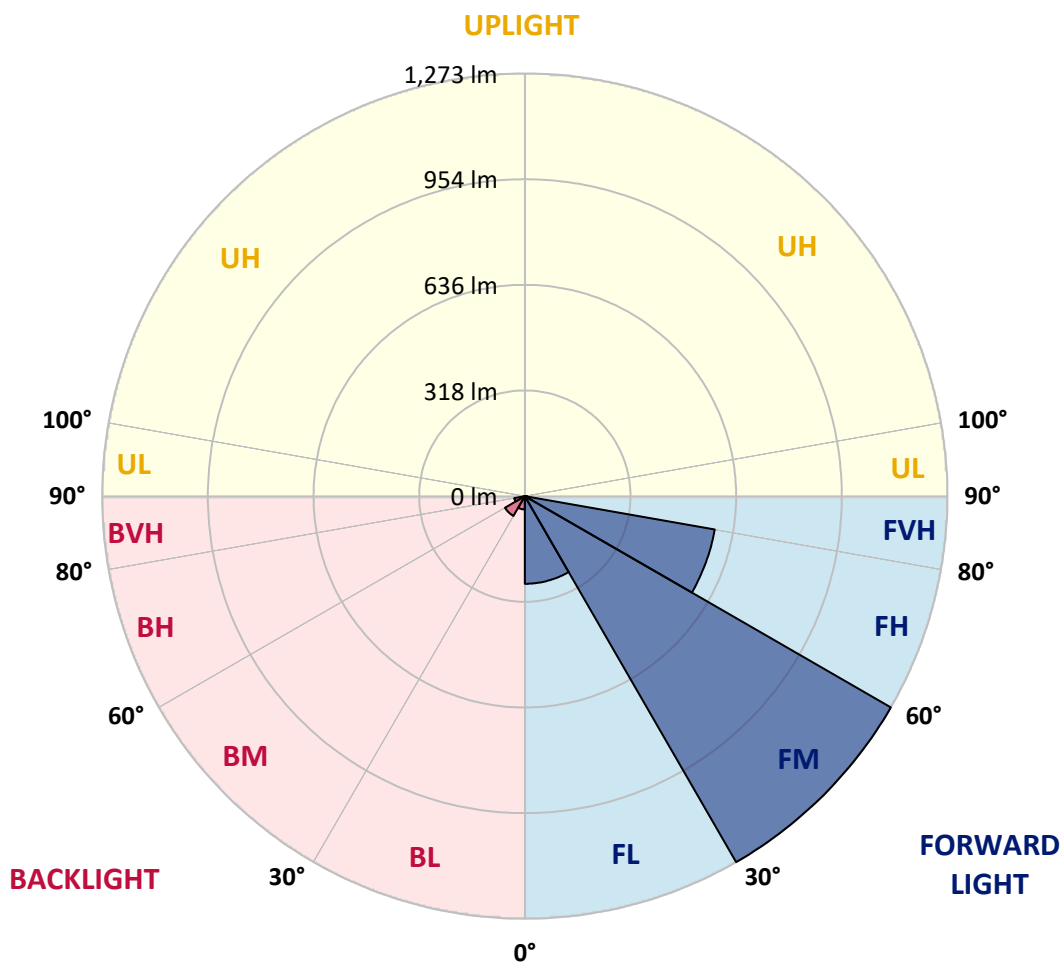
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	264.0	11.6			
FM (30°-60°)	1272.6	56.2			
FH (60°-80°)	580.6	25.6			G0/660
FVH (80°-90°)	7.2	0.3			G0/10
BL (0°-30°)	40.2	1.8	B0/110		
BM (30°-60°)	68.9	3.0	B0/220		
BH (60°-80°)	32.1	1.4	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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	217.0	217.0	217.0	217.0	217.0	217.0	217.0	217.0	217.0	217.0	217.0
2.5°	325.9	314.0	316.2	311.3	305.0	290.3	274.7	259.2	245.3	242.2	228.3
5°	417.3	413.6	409.7	406.5	393.2	374.7	346.7	311.1	279.0	273.5	244.6
7.5°	488.3	482.7	486.2	476.2	462.3	444.5	408.9	370.9	321.4	313.2	268.4
10°	540.6	537.6	539.2	534.5	527.8	510.0	474.8	427.1	369.8	354.3	295.0
12.5°	579.9	580.5	587.7	588.1	582.6	568.0	530.8	481.1	413.8	399.9	324.4
15°	608.6	609.2	618.0	627.4	633.7	626.1	592.4	536.8	465.6	446.5	355.3
17.5°	613.3	613.7	629.2	648.2	667.9	674.4	648.4	592.0	512.8	491.1	390.7
20°	616.3	619.8	633.7	655.6	686.7	706.9	692.8	645.0	558.6	533.5	425.5
22.5°	653.6	653.6	661.7	677.3	702.0	733.7	730.9	693.6	603.2	578.3	460.0
25°	732.5	732.5	724.5	720.4	733.7	758.7	765.9	745.6	654.2	624.7	496.5
27.5°	837.0	837.0	824.6	794.5	783.0	793.5	801.0	790.8	701.2	672.2	534.9
30°	945.5	949.1	927.5	889.2	849.1	841.1	833.8	831.5	751.3	718.6	574.0
32.5°	1054.3	1053.9	1026.9	979.2	926.8	898.6	874.7	872.0	804.5	772.4	611.0
35°	1141.2	1141.4	1113.0	1064.1	1003.5	967.5	929.1	916.6	862.8	827.0	655.2
37.5°	1216.5	1212.2	1181.5	1135.1	1078.6	1041.4	993.5	961.0	923.2	886.7	699.4
40°	1259.6	1253.9	1224.1	1179.9	1137.1	1108.7	1066.5	1014.6	989.4	950.2	749.7
42.5°	1266.0	1261.1	1241.2	1214.6	1179.7	1154.7	1143.5	1075.1	1059.0	1023.4	809.8
45°	1248.2	1240.2	1233.7	1219.8	1209.9	1197.9	1213.2	1139.6	1138.8	1103.4	869.4
47.5°	1204.0	1193.2	1194.8	1210.1	1221.2	1232.0	1279.9	1224.1	1219.1	1186.0	947.5
50°	1128.5	1123.2	1141.2	1171.5	1215.3	1258.6	1346.4	1310.4	1329.8	1298.7	1055.3
52.5°	975.1	981.7	1035.5	1108.3	1184.0	1271.1	1408.8	1439.2	1489.0	1463.4	1163.7
55°	791.0	788.6	860.4	989.6	1110.5	1263.1	1436.0	1515.1	1593.3	1566.5	1224.1
57.5°	637.2	641.5	690.0	817.8	986.0	1201.6	1442.3	1554.8	1635.2	1617.4	1279.9
60°	478.2	482.3	526.5	637.8	820.3	1073.1	1390.0	1568.7	1714.0	1700.5	1369.1
62.5°	304.4	309.7	354.1	462.3	627.0	873.4	1272.3	1554.2	1796.2	1807.4	1490.8
65°	149.7	154.4	187.2	270.0	419.1	653.1	1108.3	1498.8	1900.9	1933.0	1588.4
67.5°	82.8	85.1	96.3	137.5	233.8	448.0	890.6	1380.3	1949.0	1992.0	1594.9
70°	64.4	65.0	69.3	80.2	113.9	262.9	633.5	1183.1	1849.4	1901.3	1462.2
72.5°	54.2	55.0	57.1	60.8	71.2	136.8	398.1	914.4	1556.0	1579.6	1131.2
75°	39.7	40.9	46.6	49.9	56.3	83.0	175.5	549.4	1028.3	1005.2	632.9
77.5°	33.3	34.4	35.8	40.5	46.4	56.7	61.6	230.3	418.5	363.9	166.1
80°	22.7	23.9	27.8	30.3	39.3	37.4	25.6	61.8	84.1	68.5	31.9
82.5°	16.2	17.2	19.2	24.8	28.4	19.8	13.9	18.8	20.3	19.2	10.4
85°	5.1	6.5	13.9	20.5	15.3	6.8	8.8	7.2	6.3	6.1	4.1
87.5°	1.0	1.0	7.0	8.2	6.1	3.5	3.1	2.3	2.9	2.9	2.3
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°	217.0	217.0	217.0	217.0	217.0	217.0	217.0	217.0	217.0	217.0	217.0
2.5°	221.7	212.5	199.2	186.8	174.1	165.1	158.7	152.4	149.9	148.9	146.3
5°	231.6	214.0	187.6	166.3	150.8	140.9	135.0	129.9	126.6	125.6	124.2
7.5°	245.7	220.3	182.5	157.9	142.4	131.7	122.1	111.1	102.3	98.8	97.4
10°	261.0	229.9	183.3	156.3	135.6	112.3	90.8	73.0	65.3	62.4	60.3
12.5°	283.5	240.6	186.8	154.4	115.4	80.2	58.1	50.7	48.9	48.5	48.1
15°	306.0	255.5	192.5	142.2	86.1	54.6	48.3	45.6	44.6	43.6	43.6
17.5°	328.7	269.8	194.7	118.2	59.5	47.3	44.0	41.7	40.1	39.3	38.7
20°	354.3	284.9	188.2	89.0	47.7	43.2	39.5	36.8	35.4	34.6	34.0
22.5°	381.9	299.9	173.9	62.0	43.4	38.9	35.4	32.7	31.3	30.5	30.3
25°	407.9	312.8	151.0	46.6	39.1	34.8	31.5	29.3	28.2	27.4	27.2
27.5°	434.7	323.8	121.1	41.1	35.6	31.5	28.2	26.4	25.4	24.8	24.5
30°	460.9	331.4	90.2	37.6	32.5	28.4	25.6	24.1	23.1	22.5	22.3
32.5°	487.9	335.7	61.0	34.6	29.5	25.8	23.3	21.9	21.3	20.7	20.7
35°	513.8	335.1	44.0	31.7	27.0	23.3	21.1	20.0	19.8	19.2	19.2
37.5°	542.3	330.8	37.4	29.0	24.3	21.1	19.2	18.6	18.4	18.0	17.8
40°	574.6	321.2	34.2	27.0	22.1	19.2	17.6	17.2	17.0	16.6	16.6
42.5°	610.0	308.7	32.3	24.8	20.3	17.4	16.2	15.5	15.3	14.9	14.9
45°	651.1	296.8	31.1	22.5	18.6	16.0	14.7	14.1	13.9	13.5	13.5
47.5°	707.1	290.1	29.0	20.5	16.8	14.5	13.3	12.9	12.5	12.1	12.1
50°	784.3	282.1	26.4	18.4	15.3	13.1	12.3	11.7	11.5	11.0	11.0
52.5°	847.7	265.1	23.7	16.4	13.7	12.1	11.3	10.8	10.4	10.2	10.2
55°	870.0	245.3	21.1	14.7	12.5	11.3	10.4	10.0	9.8	9.6	9.6
57.5°	905.6	238.9	18.6	13.1	11.3	10.4	9.6	9.4	9.2	9.0	8.8
60°	966.3	242.6	16.4	11.7	10.2	9.4	8.8	8.6	8.2	7.8	7.8
62.5°	1025.2	238.1	13.9	10.2	8.8	8.4	7.8	7.4	6.5	5.9	5.5
65°	1039.5	208.0	12.1	8.6	7.4	7.0	6.3	5.5	4.3	3.5	3.5
67.5°	970.2	158.1	10.4	7.4	6.1	5.7	4.5	3.7	2.7	2.0	2.0
70°	800.6	100.2	8.6	5.7	5.1	3.9	2.9	2.7	1.8	1.6	1.4
72.5°	577.7	54.8	7.2	4.7	3.7	2.5	2.0	1.6	1.2	0.8	0.8
75°	292.5	25.8	5.3	3.7	2.5	1.6	1.2	0.8	0.8	0.6	0.6
77.5°	82.8	11.9	3.5	2.5	1.6	1.0	0.8	0.6	0.6	0.4	0.4
80°	16.4	5.9	2.3	1.6	1.2	0.8	0.6	0.4	0.4	0.2	0.2
82.5°	5.9	3.1	1.6	1.2	1.0	0.8	0.4	0.2	0.2	0.0	0.0
85°	3.1	1.6	1.2	1.0	0.8	0.6	0.4	0.2	0.0	0.0	0.0
87.5°	1.6	1.2	1.0	1.0	0.8	0.6	0.4	0.2	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)