

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: P674515

Luminaire Tested: **CCP-SA-1B-722-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674515
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-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @450mA w/ T2R distribution lens and House Side Shield
Light Source: (16) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

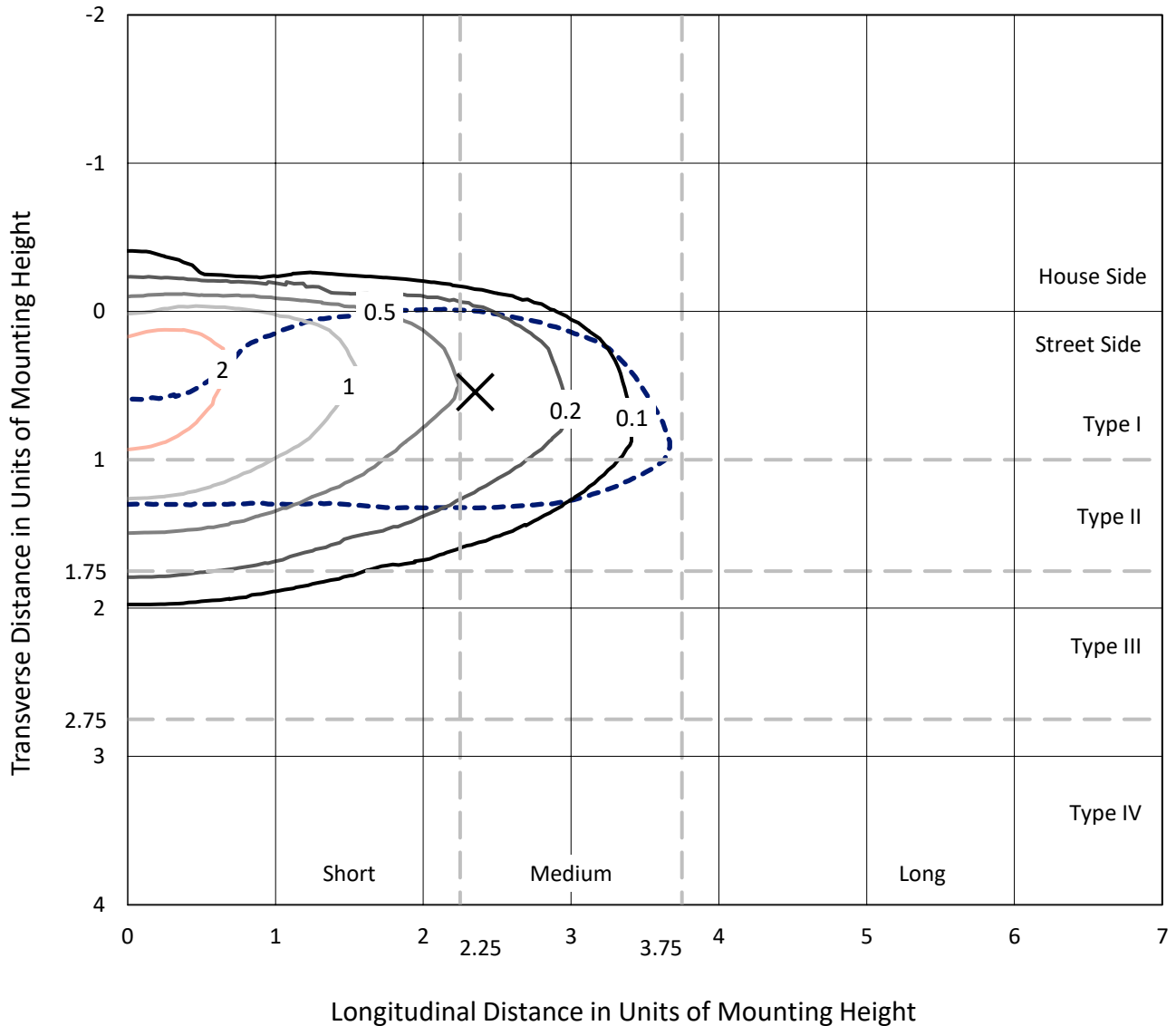
Lumens per Lamp: N/A
Luminaire Lumens: 2059.8 lumens
Efficiency: N/A
Efficacy: 85.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G0

Input Watts (W): 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

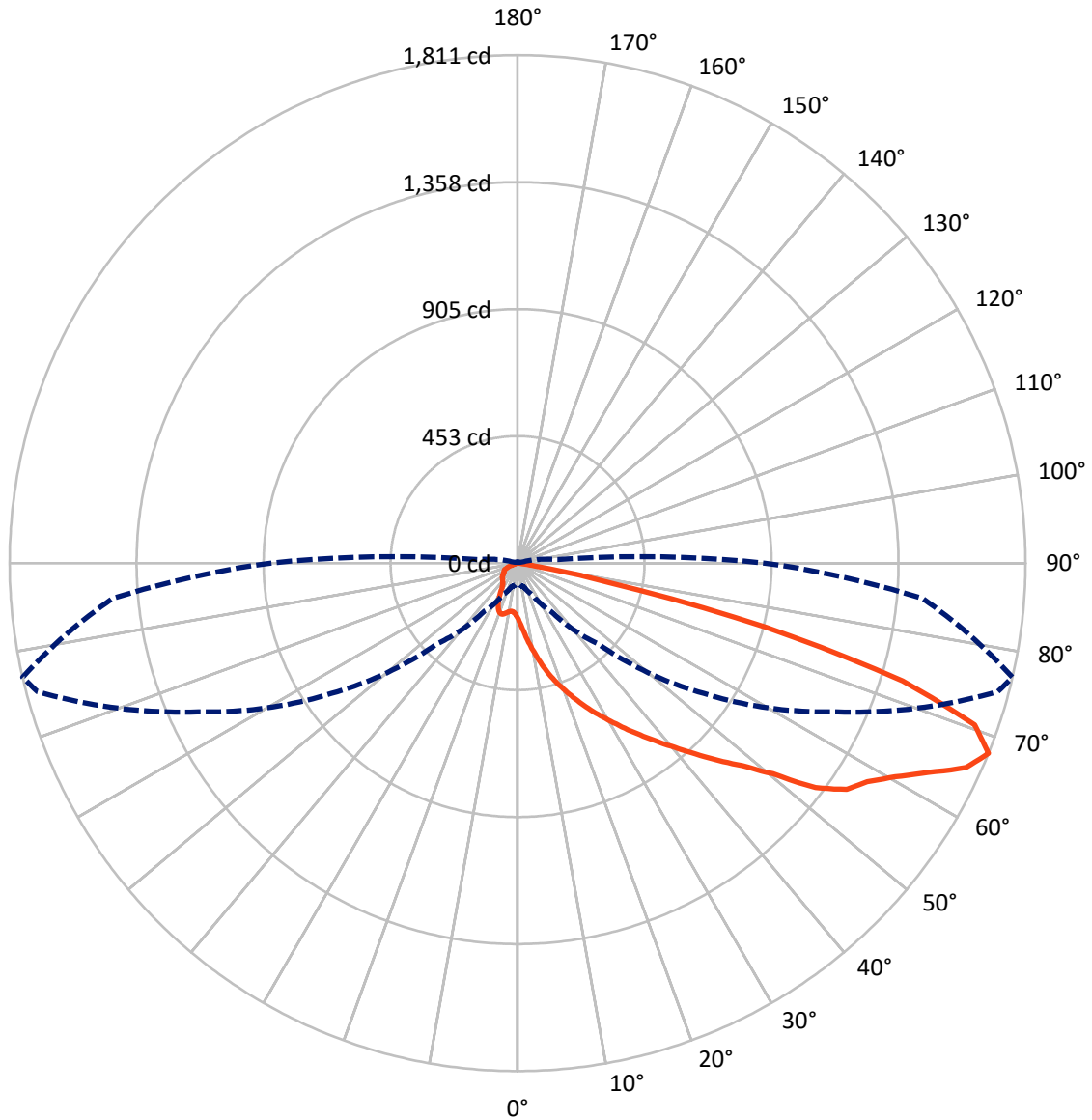
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.5 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	128.7	0.0	128.7
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	1931.1	0.0	1931.1
	% Fixture	93.8	0.0	93.8
Total	Lumens	2059.8	0.0	2059.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.2	1.1
10°-20°	85.7	4.2
20°-30°	167.5	8.1
30°-40°	292.9	14.2
40°-50°	427.1	20.7
50°-60°	499.5	24.2
60°-70°	404.9	19.7
70°-80°	152.1	7.4
80°-90°	6.9	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°	2059.8	100.0
0°-180°	2059.8	100.0

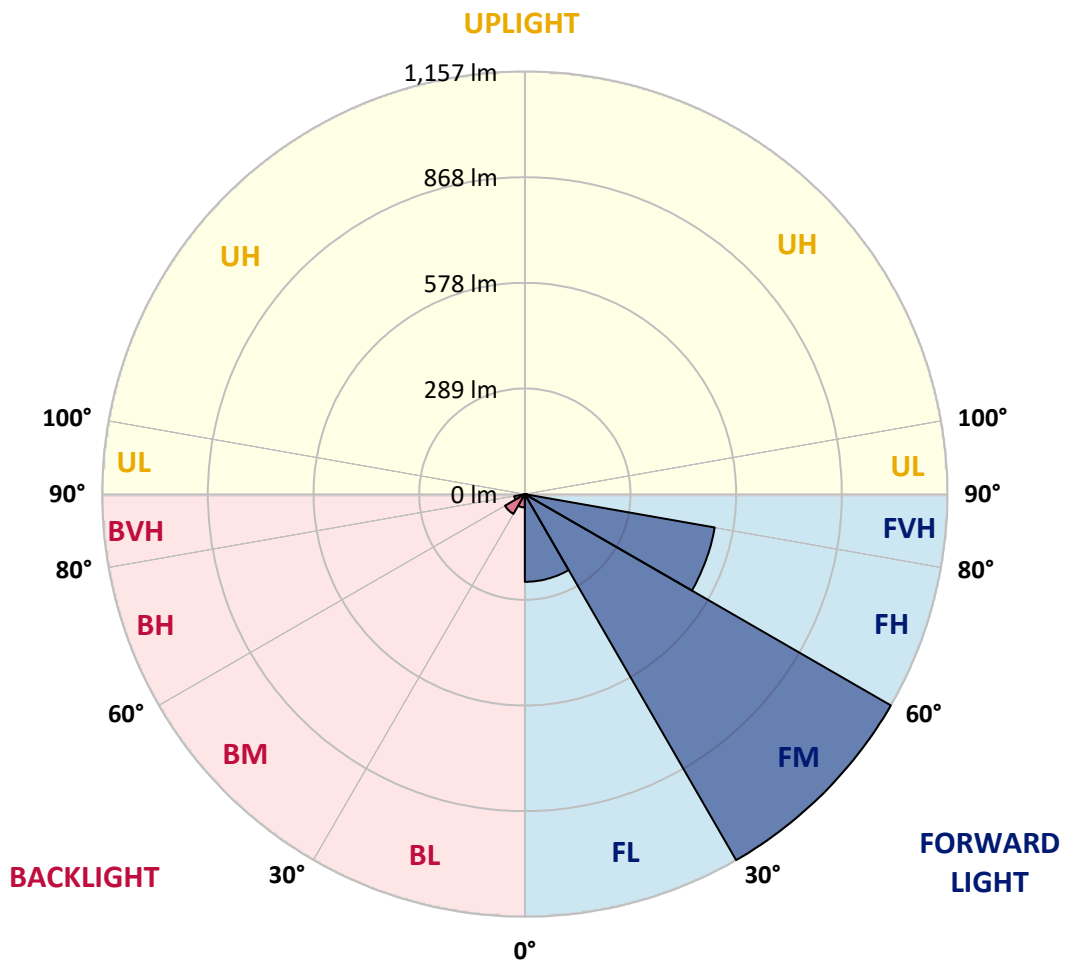


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	240.0	11.6			
FM (30°-60°)	1156.8	56.2			
FH (60°-80°)	527.8	25.6			G0/660
FVH (80°-90°)	6.5	0.3			G0/10
BL (0°-30°)	36.5	1.8	B0/110		
BM (30°-60°)	62.6	3.0	B0/220		
BH (60°-80°)	29.2	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°	197.3	197.3	197.3	197.3	197.3	197.3	197.3	197.3	197.3	197.3	197.3
2.5°	296.2	285.4	287.5	283.0	277.3	263.9	249.7	235.6	223.0	220.2	207.5
5°	379.3	376.0	372.5	369.5	357.4	340.7	315.2	282.8	253.6	248.6	222.4
7.5°	443.9	438.8	442.0	432.9	420.2	404.1	371.7	337.1	292.1	284.7	244.0
10°	491.5	488.7	490.2	485.9	479.7	463.6	431.6	388.3	336.2	322.1	268.1
12.5°	527.2	527.7	534.2	534.6	529.6	516.4	482.5	437.4	376.2	363.5	294.9
15°	553.2	553.8	561.8	570.3	576.1	569.2	538.5	487.9	423.2	405.9	323.0
17.5°	557.5	557.8	572.0	589.3	607.1	613.1	589.5	538.1	466.2	446.5	355.2
20°	560.3	563.4	576.1	596.0	624.2	642.6	629.8	586.3	507.8	485.0	386.8
22.5°	594.1	594.1	601.5	615.7	638.2	667.0	664.4	630.6	548.4	525.7	418.2
25°	665.9	665.9	658.6	654.9	667.0	689.7	696.2	677.8	594.7	567.9	451.3
27.5°	760.9	760.9	749.6	722.2	711.8	721.3	728.2	718.9	637.4	611.0	486.3
30°	859.5	862.8	843.1	808.3	771.9	764.6	757.9	755.9	683.0	653.2	521.8
32.5°	958.4	958.0	933.5	890.1	842.5	816.9	795.1	792.7	731.3	702.1	555.4
35°	1037.4	1037.6	1011.7	967.3	912.3	879.5	844.6	833.2	784.3	751.8	595.6
37.5°	1105.8	1101.9	1074.0	1031.8	980.5	946.7	903.2	873.6	839.2	806.1	635.8
40°	1145.1	1139.9	1112.7	1072.6	1033.7	1007.8	969.5	922.3	899.4	863.7	681.5
42.5°	1150.8	1146.4	1128.3	1104.2	1072.4	1049.7	1039.5	977.3	962.7	930.3	736.2
45°	1134.7	1127.4	1121.5	1108.8	1099.9	1088.9	1102.9	1035.9	1035.2	1003.0	790.3
47.5°	1094.5	1084.6	1086.1	1100.1	1110.1	1120.0	1163.5	1112.7	1108.3	1078.1	861.3
50°	1025.9	1021.0	1037.4	1064.9	1104.7	1144.1	1223.9	1191.2	1208.9	1180.6	959.3
52.5°	886.4	892.4	941.3	1007.5	1076.3	1155.5	1280.6	1308.3	1353.5	1330.3	1057.9
55°	719.1	716.8	782.1	899.6	1009.5	1148.2	1305.4	1377.3	1448.4	1424.0	1112.7
57.5°	579.2	583.1	627.2	743.4	896.3	1092.3	1311.1	1413.4	1486.5	1470.3	1163.5
60°	434.7	438.5	478.6	579.8	745.7	975.5	1263.5	1426.0	1558.1	1545.8	1244.6
62.5°	276.7	281.5	321.9	420.2	569.9	794.0	1156.6	1412.8	1632.8	1643.0	1355.2
65°	136.1	140.4	170.1	245.5	381.0	593.7	1007.5	1362.4	1728.0	1757.2	1443.9
67.5°	75.3	77.4	87.6	125.0	212.5	407.2	809.6	1254.8	1771.7	1810.8	1449.8
70°	58.6	59.1	63.0	72.9	103.6	238.9	575.9	1075.5	1681.2	1728.4	1329.2
72.5°	49.3	50.0	51.9	55.2	64.7	124.4	361.9	831.2	1414.5	1435.9	1028.3
75°	36.1	37.2	42.4	45.4	51.1	75.5	159.5	499.5	934.8	913.8	575.3
77.5°	30.3	31.2	32.5	36.8	42.2	51.5	56.0	209.4	380.5	330.8	151.0
80°	20.6	21.8	25.3	27.5	35.7	34.0	23.2	56.2	76.4	62.3	29.0
82.5°	14.7	15.6	17.5	22.5	25.8	18.0	12.6	17.1	18.4	17.5	9.5
85°	4.6	6.0	12.6	18.6	13.9	6.1	8.0	6.5	5.8	5.6	3.7
87.5°	0.9	0.9	6.3	7.4	5.6	3.2	2.8	2.0	2.6	2.6	2.0
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°	197.3	197.3	197.3	197.3	197.3	197.3	197.3	197.3	197.3	197.3	197.3
2.5°	201.6	193.2	181.1	169.8	158.2	150.1	144.3	138.5	136.3	135.4	133.0
5°	210.5	194.5	170.5	151.2	137.0	128.1	122.7	118.1	115.1	114.2	112.9
7.5°	223.3	200.3	165.9	143.6	129.4	119.8	111.0	101.0	93.0	89.8	88.5
10°	237.3	209.0	166.6	142.1	123.3	102.1	82.6	66.4	59.3	56.7	54.9
12.5°	257.7	218.7	169.8	140.4	104.9	72.9	52.8	46.1	44.4	44.1	43.7
15°	278.2	232.3	175.0	129.2	78.3	49.6	43.9	41.5	40.5	39.6	39.6
17.5°	298.8	245.3	177.0	107.5	54.1	43.0	40.0	37.9	36.4	35.7	35.1
20°	322.1	259.0	171.1	80.9	43.3	39.2	35.9	33.5	32.2	31.4	30.9
22.5°	347.2	272.6	158.1	56.3	39.4	35.3	32.2	29.8	28.5	27.7	27.5
25°	370.8	284.3	137.2	42.4	35.5	31.6	28.6	26.6	25.7	24.9	24.7
27.5°	395.1	294.4	110.1	37.4	32.4	28.6	25.7	24.0	23.1	22.5	22.3
30°	418.9	301.2	82.0	34.2	29.6	25.8	23.2	21.9	21.0	20.5	20.3
32.5°	443.5	305.1	55.4	31.4	26.8	23.4	21.2	19.9	19.3	18.8	18.8
35°	467.1	304.6	40.0	28.8	24.5	21.2	19.2	18.2	18.0	17.5	17.5
37.5°	493.0	300.7	34.0	26.4	22.1	19.2	17.5	16.9	16.7	16.4	16.2
40°	522.3	291.9	31.1	24.5	20.1	17.5	16.0	15.6	15.4	15.1	15.1
42.5°	554.5	280.6	29.4	22.5	18.4	15.8	14.7	14.1	13.9	13.6	13.6
45°	591.9	269.8	28.3	20.5	16.9	14.5	13.4	12.8	12.6	12.3	12.3
47.5°	642.8	263.7	26.4	18.6	15.2	13.2	12.1	11.7	11.3	11.0	11.0
50°	712.9	256.4	24.0	16.7	13.9	11.9	11.2	10.6	10.4	10.0	10.0
52.5°	770.6	241.0	21.6	14.9	12.5	11.0	10.2	9.9	9.5	9.3	9.3
55°	790.8	223.0	19.2	13.4	11.3	10.2	9.5	9.1	8.9	8.7	8.7
57.5°	823.2	217.2	16.9	11.9	10.2	9.5	8.7	8.6	8.4	8.2	8.0
60°	878.4	220.5	14.9	10.6	9.3	8.6	8.0	7.8	7.4	7.1	7.1
62.5°	932.0	216.4	12.6	9.3	8.0	7.6	7.1	6.7	6.0	5.4	5.0
65°	945.0	189.1	11.0	7.8	6.7	6.3	5.8	5.0	3.9	3.2	3.2
67.5°	882.0	143.7	9.5	6.7	5.6	5.2	4.1	3.3	2.4	1.9	1.9
70°	727.8	91.1	7.8	5.2	4.6	3.5	2.6	2.4	1.7	1.5	1.3
72.5°	525.1	49.8	6.5	4.3	3.3	2.2	1.9	1.5	1.1	0.7	0.7
75°	265.9	23.4	4.8	3.3	2.2	1.5	1.1	0.7	0.7	0.6	0.6
77.5°	75.3	10.8	3.2	2.2	1.5	0.9	0.7	0.6	0.6	0.4	0.4
80°	14.9	5.4	2.0	1.5	1.1	0.7	0.6	0.4	0.4	0.2	0.2
82.5°	5.4	2.8	1.5	1.1	0.9	0.7	0.4	0.2	0.2	0.0	0.0
85°	2.8	1.5	1.1	0.9	0.7	0.6	0.4	0.2	0.0	0.0	0.0
87.5°	1.5	1.1	0.9	0.9	0.7	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)