

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: P674737

Luminaire Tested: **CCP-SA-1C-827-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674737
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-827-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ T3R distribution lens and House Side Shield
Light Source: (16) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

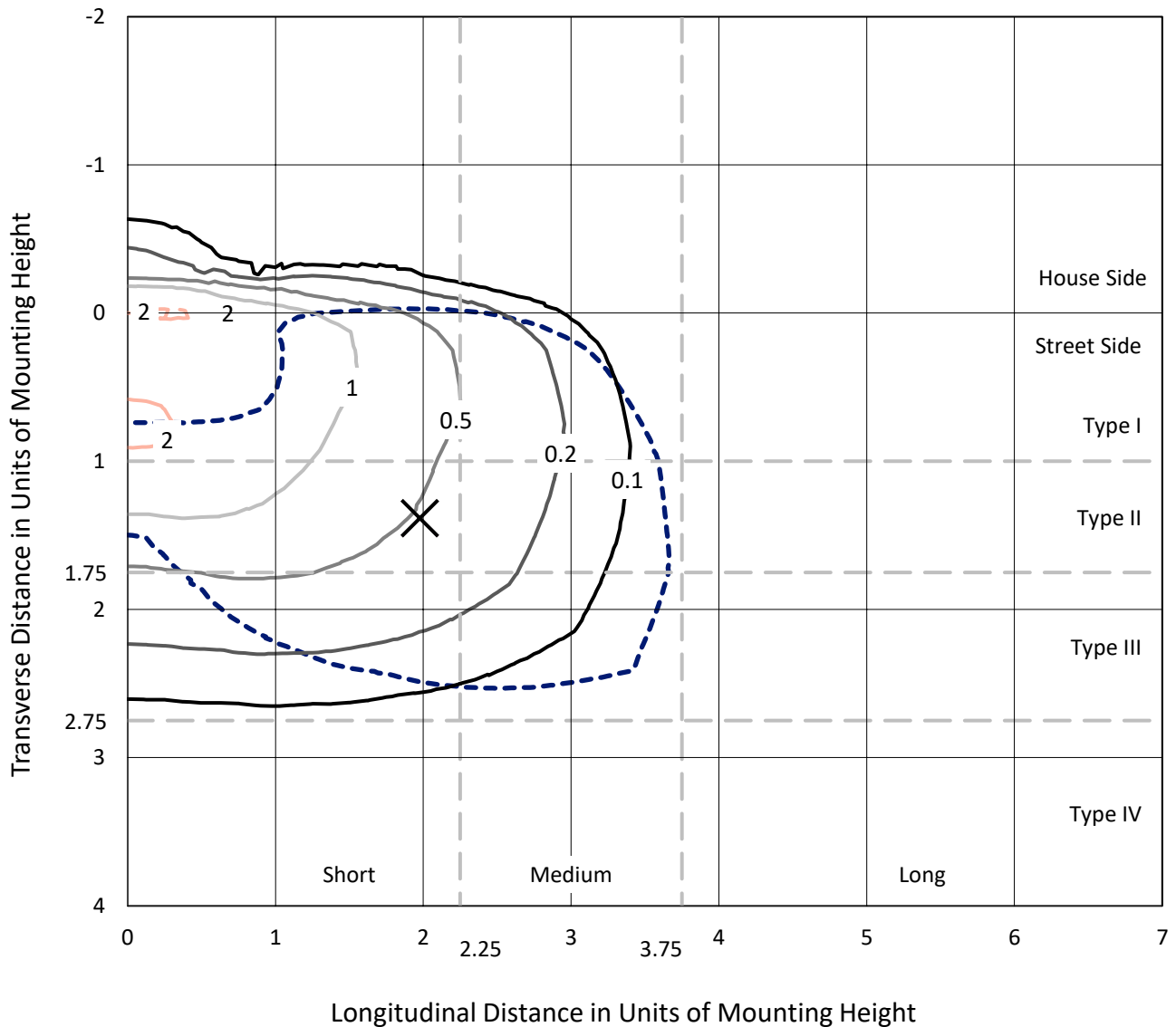
Lumens per Lamp: N/A
Luminaire Lumens: 2635.9 lumens
Efficiency: N/A
Efficacy: 82.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 32
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

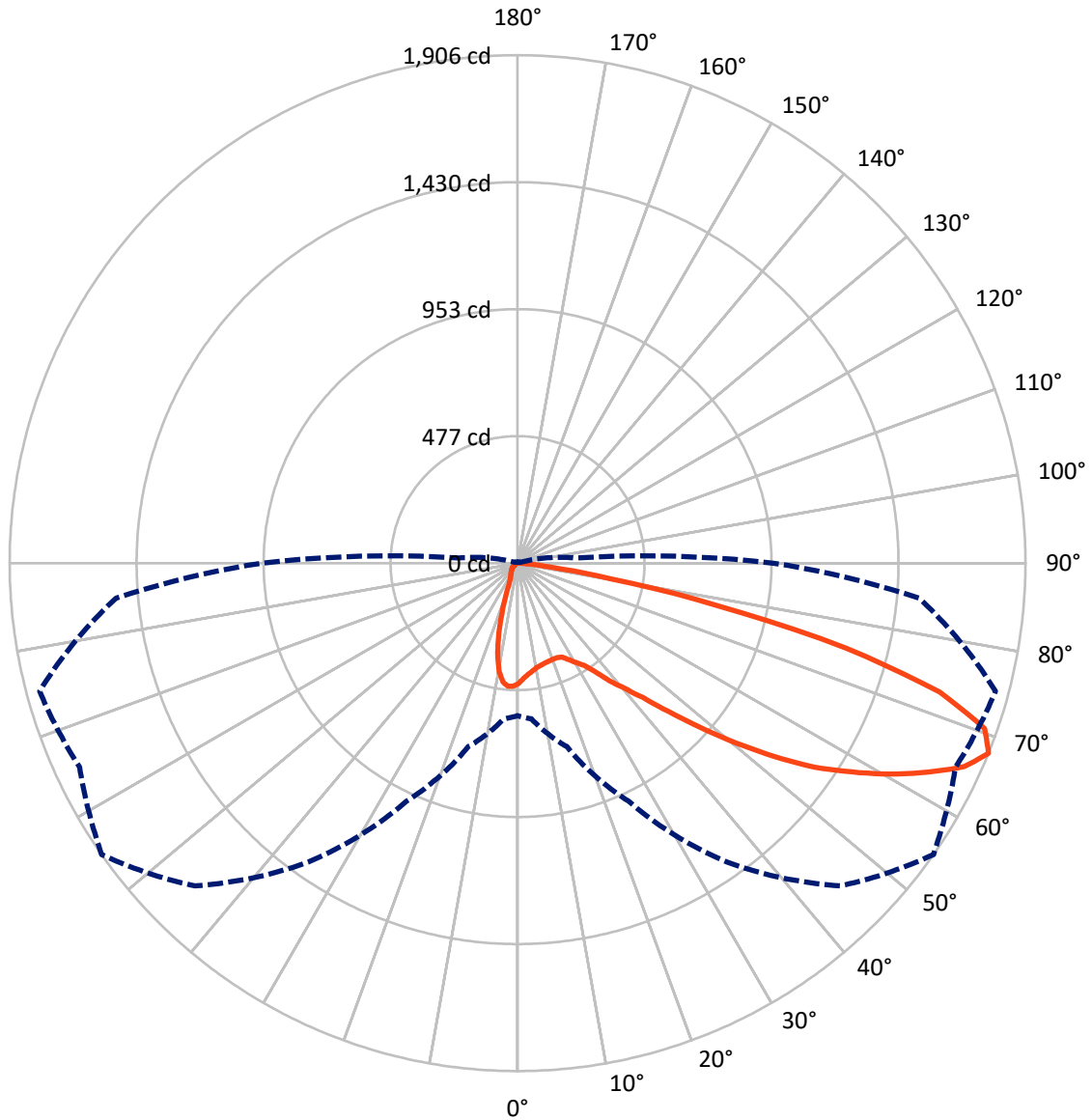
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	236.8	0.0	236.8
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	2399.1	0.0	2399.1
	% Fixture	91.0	0.0	91.0
Total	Lumens	2635.9	0.0	2635.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.6	1.5
10°-20°	90.3	3.4
20°-30°	144.8	5.5
30°-40°	251.2	9.5
40°-50°	418.8	15.9
50°-60°	612.4	23.2
60°-70°	714.1	27.1
70°-80°	346.5	13.1
80°-90°	18.1	0.7
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°	2635.9	100.0
0°-180°	2635.9	100.0



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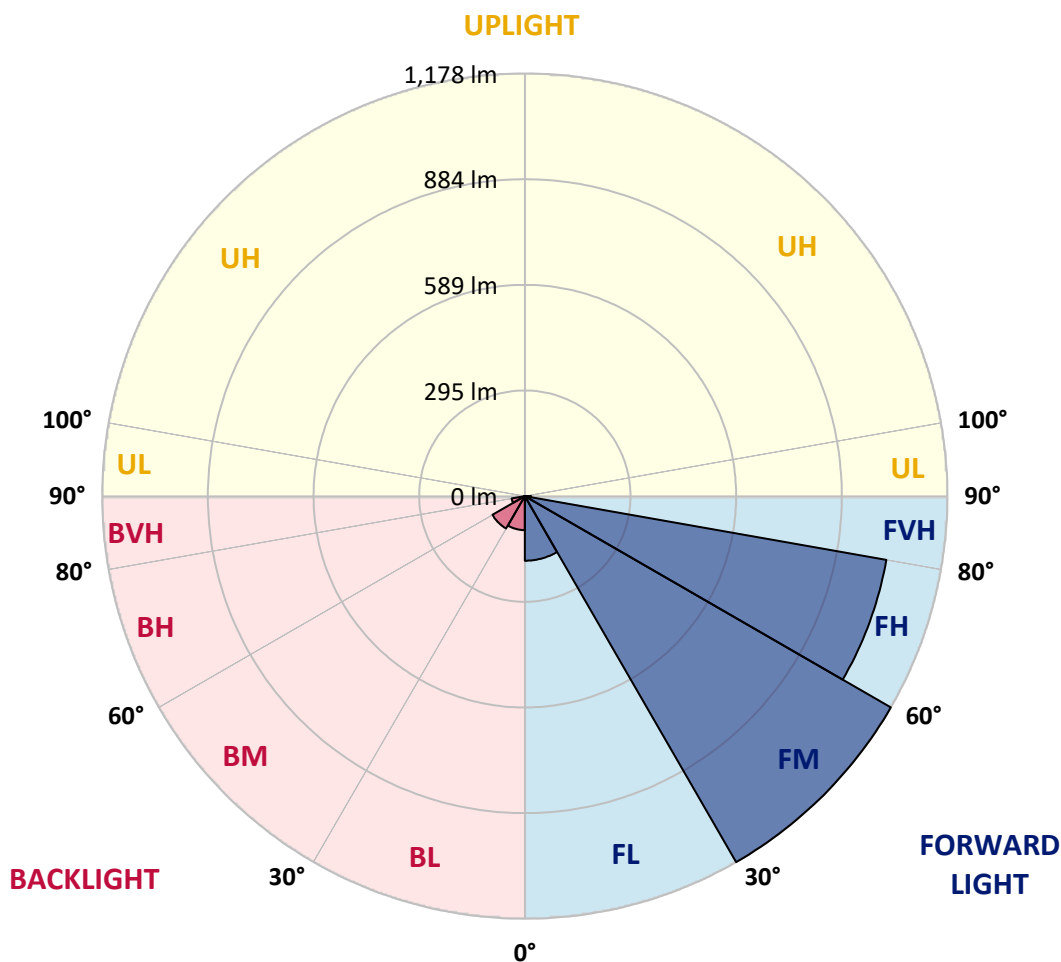
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	180.1	6.8			
FM (30°-60°)	1178.2	44.7			
FH (60°-80°)	1023.3	38.8			G1/1800
FVH (80°-90°)	17.6	0.7			G1/100
BL (0°-30°)	94.7	3.6	B0/110		
BM (30°-60°)	104.3	4.0	B0/220		
BH (60°-80°)	37.4	1.4	B0/110		G0/110
BVH (80°-90°)	0.5	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-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	451.7	451.7	451.7	451.7	451.7	451.7	451.7	451.7	451.7	451.7	451.7
2.5°	417.0	419.7	423.1	424.3	428.4	434.2	432.5	431.3	437.9	446.9	449.8
5°	391.0	391.2	396.6	400.5	407.5	413.1	419.2	418.7	430.6	445.9	455.6
7.5°	365.5	366.0	371.6	377.6	387.8	398.8	408.0	407.5	426.7	447.1	465.6
10°	332.0	334.4	341.2	351.9	367.9	385.2	398.0	399.3	422.3	451.7	479.2
12.5°	305.0	306.2	313.8	327.6	346.6	369.1	393.2	392.5	423.3	460.2	496.9
15°	293.6	292.9	297.5	307.7	329.3	357.7	388.3	390.0	426.7	469.9	515.3
17.5°	296.3	295.6	298.0	301.6	316.9	348.3	385.7	388.6	432.0	480.1	532.6
20°	325.9	320.8	316.4	312.6	314.7	340.5	384.0	387.1	435.2	487.9	550.8
22.5°	383.0	376.7	365.0	343.4	329.1	341.0	384.4	388.6	442.2	500.5	572.9
25°	476.0	469.9	444.9	400.7	362.8	358.5	391.0	395.4	458.5	519.7	596.5
27.5°	599.1	585.5	555.2	491.8	418.7	386.4	410.7	415.5	481.6	534.5	612.5
30°	701.4	698.2	669.1	591.4	495.7	427.4	432.8	435.4	492.0	543.5	628.5
32.5°	807.5	801.0	774.2	698.7	585.0	486.0	457.5	458.8	505.6	556.9	651.8
35°	899.8	893.7	871.4	798.0	689.5	564.6	498.6	495.9	533.8	586.3	683.4
37.5°	985.3	984.6	964.9	890.1	783.2	646.2	559.1	556.9	577.8	618.6	726.1
40°	1068.8	1066.9	1050.1	981.9	875.5	727.6	616.6	611.0	615.2	663.7	782.5
42.5°	1120.1	1124.2	1130.0	1086.8	985.0	823.1	689.5	686.1	685.3	734.4	856.6
45°	1147.8	1155.0	1189.3	1185.4	1101.1	941.8	793.2	784.4	781.5	831.6	941.3
47.5°	1174.7	1177.9	1234.0	1257.5	1212.4	1065.7	918.5	906.4	894.5	950.1	1042.6
50°	1176.4	1181.5	1251.0	1308.3	1305.6	1187.6	1059.1	1048.4	1034.8	1094.3	1141.4
52.5°	1152.6	1162.8	1248.8	1340.3	1363.4	1295.2	1205.1	1196.3	1185.2	1229.6	1224.7
55°	988.2	1005.4	1206.0	1343.3	1404.0	1387.5	1351.8	1339.6	1328.7	1360.3	1306.3
57.5°	910.0	919.7	1076.4	1341.1	1455.7	1472.9	1479.0	1473.4	1458.1	1497.5	1391.6
60°	863.1	877.2	1014.4	1316.8	1511.6	1569.6	1607.7	1596.6	1577.9	1632.0	1482.9
62.5°	807.0	817.2	952.7	1246.8	1544.8	1668.0	1728.4	1718.2	1679.6	1756.1	1556.7
65°	703.6	718.9	854.6	1136.8	1500.1	1740.1	1842.1	1838.7	1771.7	1849.9	1576.9
67.5°	572.7	586.5	713.0	986.0	1369.5	1713.1	1906.4	1895.8	1813.4	1856.9	1513.0
70°	429.9	437.4	532.8	753.3	1122.0	1569.1	1859.8	1857.6	1750.0	1752.5	1317.0
72.5°	230.7	251.6	354.3	504.2	789.1	1270.9	1657.5	1648.8	1561.3	1435.3	947.2
75°	80.6	86.7	188.7	283.2	428.6	846.6	1274.5	1254.1	1167.7	933.6	516.1
77.5°	49.5	54.4	83.8	144.7	166.8	367.4	765.7	739.3	683.4	403.6	176.3
80°	34.2	38.6	56.1	75.8	56.8	119.0	352.4	342.4	263.5	96.2	40.6
82.5°	19.2	23.1	42.5	37.2	22.8	30.8	122.2	113.2	70.2	26.0	13.6
85°	11.2	13.4	29.9	26.2	11.7	10.9	31.8	28.4	18.2	9.7	6.6
87.5°	5.8	7.5	21.9	17.5	7.0	3.9	7.3	7.0	4.6	3.4	4.4
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°	451.7	451.7	451.7	451.7	451.7	451.7	451.7	451.7	451.7	451.7	451.7
2.5°	455.1	453.9	460.2	462.4	461.9	460.9	463.4	460.2	460.0	459.2	458.5
5°	463.4	465.3	470.4	470.4	463.6	452.4	445.6	436.4	428.6	424.0	423.3
7.5°	475.8	479.6	483.0	472.6	449.3	421.6	392.2	369.1	349.0	338.5	337.6
10°	493.2	496.9	494.2	464.3	414.3	357.0	309.2	261.1	237.0	223.9	223.9
12.5°	514.1	517.0	500.8	443.7	356.8	273.7	209.8	159.3	135.3	119.7	118.8
15°	536.7	537.4	499.8	407.8	285.6	183.8	120.5	88.4	78.2	76.0	75.5
17.5°	556.4	553.5	489.6	354.6	205.7	109.5	76.5	69.2	67.3	67.3	67.3
20°	574.8	565.1	469.2	292.6	131.9	74.6	65.8	63.9	63.9	64.1	64.1
22.5°	595.2	576.1	440.1	223.9	84.8	63.9	61.7	60.7	60.5	61.2	61.0
25°	619.3	586.7	398.3	154.7	65.6	59.5	58.5	57.6	57.6	57.6	57.6
27.5°	632.6	585.3	350.7	97.6	57.3	55.1	54.2	53.2	52.5	52.2	52.5
30°	644.3	576.8	288.5	68.2	51.7	49.3	48.6	47.4	45.9	45.4	45.4
32.5°	659.6	569.7	223.4	54.9	46.9	44.2	42.0	40.1	37.6	36.7	36.4
35°	676.6	556.9	163.7	48.3	42.5	39.1	35.7	32.5	29.4	28.4	28.2
37.5°	697.7	545.2	111.0	44.7	38.9	34.7	30.1	25.7	22.8	22.3	22.3
40°	726.4	535.5	76.7	41.5	35.5	30.6	25.0	20.4	18.5	18.0	18.0
42.5°	765.5	527.5	58.0	38.9	32.5	26.5	20.2	16.8	15.3	14.8	14.8
45°	811.6	515.1	49.1	36.4	29.6	22.3	16.8	14.1	13.4	13.4	13.4
47.5°	864.6	499.6	44.7	34.0	26.5	18.2	14.1	12.9	12.6	12.6	12.9
50°	918.0	481.1	41.5	31.1	22.8	15.5	12.9	12.1	12.1	12.4	12.4
52.5°	954.2	452.2	38.4	27.9	19.2	13.6	12.1	11.9	11.7	11.7	11.7
55°	989.4	426.9	34.0	24.5	16.0	12.6	11.7	11.4	11.4	11.2	11.2
57.5°	1026.1	407.0	28.4	20.4	13.6	11.9	11.2	11.2	10.7	10.4	10.4
60°	1068.6	389.5	21.9	16.0	11.9	11.2	10.4	10.2	9.7	9.2	9.2
62.5°	1081.0	352.6	16.5	12.9	10.2	9.7	9.5	9.0	7.8	6.8	7.0
65°	1048.7	294.6	13.1	10.2	8.3	8.3	7.5	6.3	5.1	4.4	4.4
67.5°	959.5	220.0	10.7	8.0	6.6	6.3	5.3	4.6	3.2	2.7	2.7
70°	790.8	145.5	8.7	6.3	5.3	4.4	3.6	3.4	2.4	1.9	1.9
72.5°	554.2	78.9	7.3	5.1	3.9	2.9	2.4	2.2	1.7	1.5	1.2
75°	292.6	30.4	5.8	3.9	2.4	1.9	1.5	1.5	1.2	1.0	1.0
77.5°	100.3	12.9	4.1	2.2	1.7	1.2	1.0	0.7	1.0	0.7	0.7
80°	23.8	7.5	2.7	1.5	1.0	0.7	0.7	0.5	0.5	0.5	0.5
82.5°	10.4	4.4	1.7	1.0	1.0	0.7	0.5	0.2	0.2	0.2	0.2
85°	7.0	2.7	1.2	1.0	0.7	0.5	0.2	0.2	0.0	0.0	0.0
87.5°	5.6	1.7	1.0	1.0	0.7	0.5	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)