

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: P676377

Luminaire Tested: **CCW-SA-1D-722-U-T3-HSS**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P676377  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1D-722-U-T3-HSS  
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @800mA w/  
T3 distribution lens and House Side Shield  
Light Source: (16) 2200K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

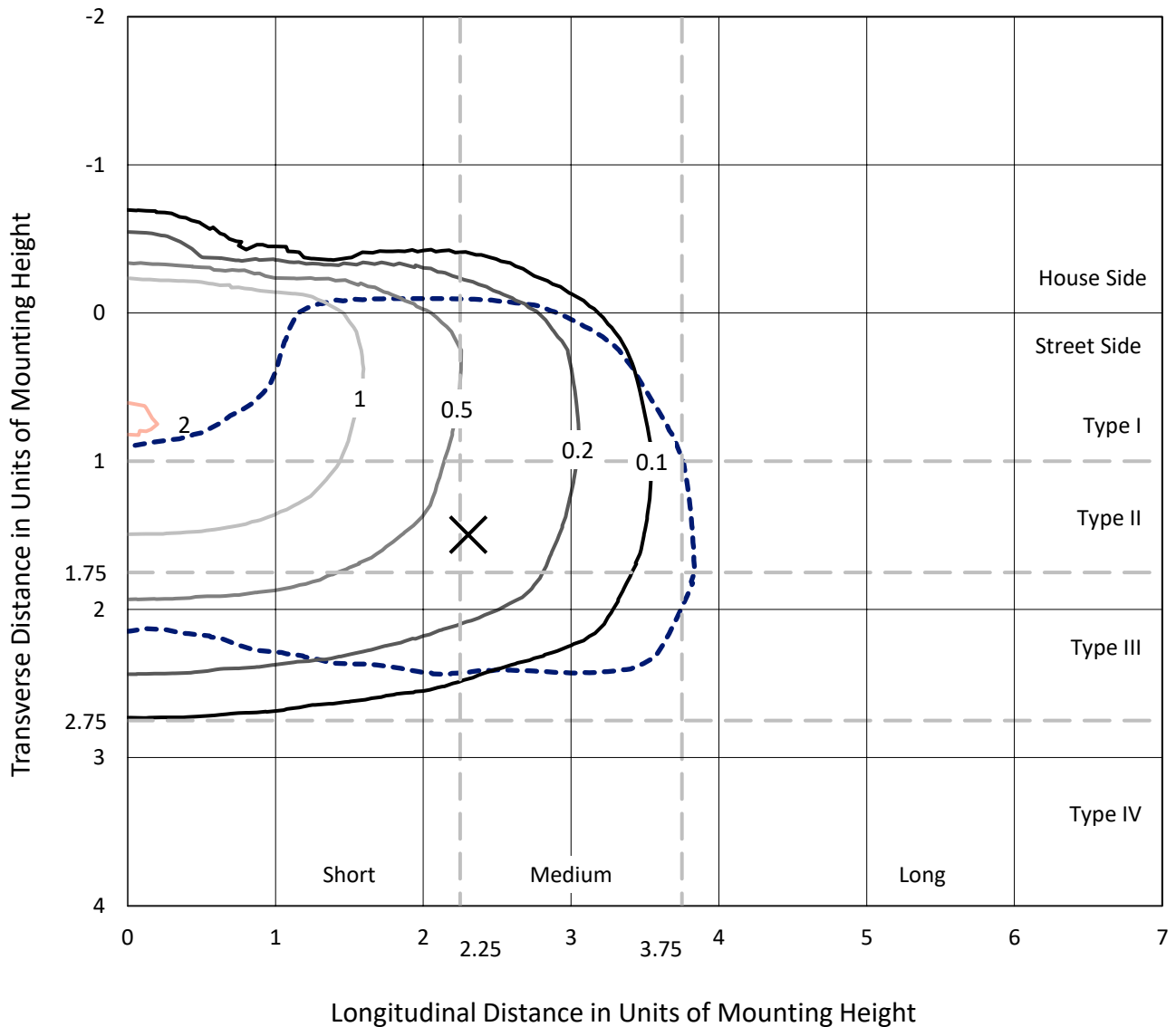
Lumens per Lamp: N/A  
Luminaire Lumens: 2959.4 lumens  
Efficiency: N/A  
Efficacy: 67.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1

Input Watts (W): 44  
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

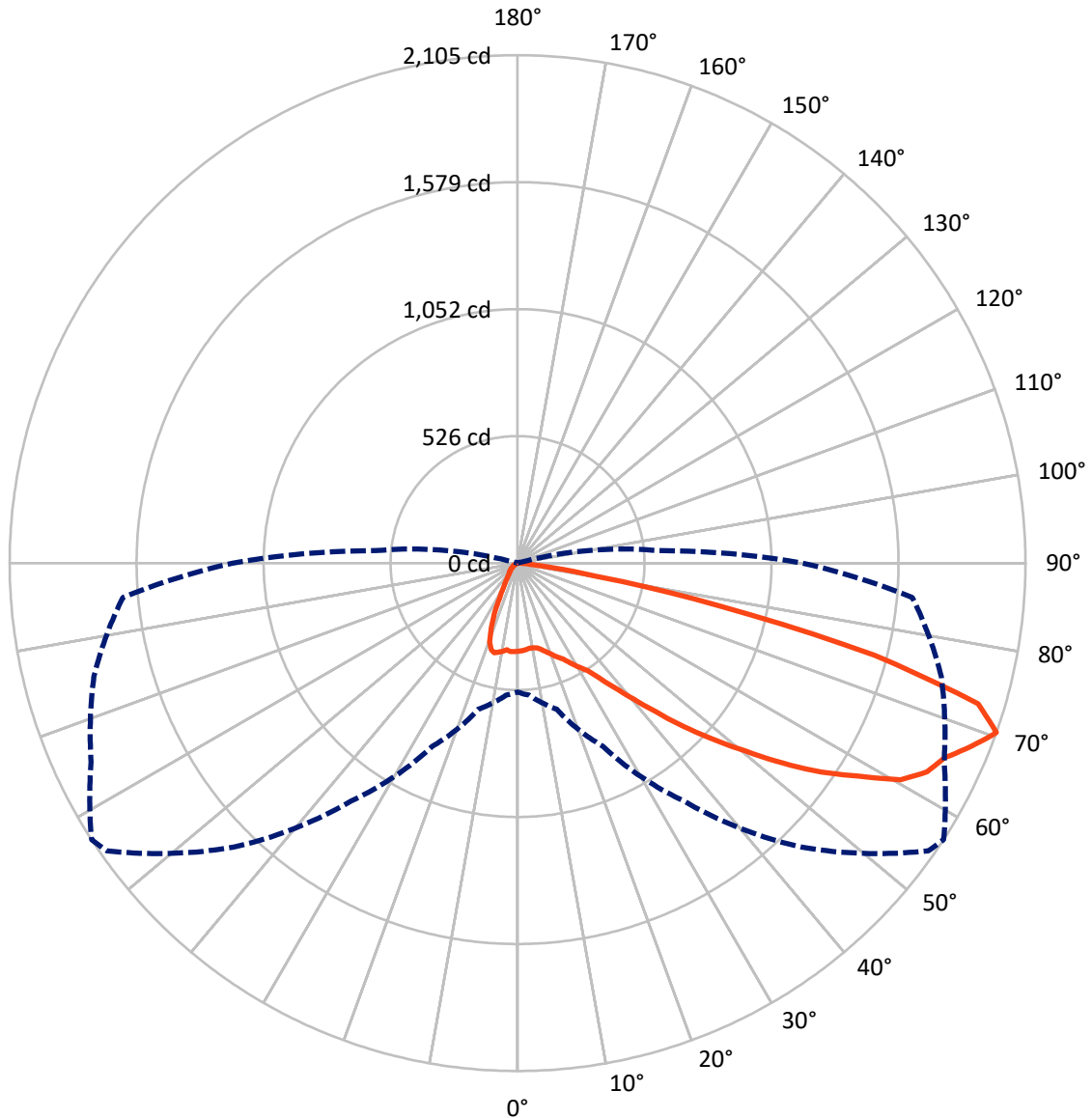
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.1 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	348.8	0.0	348.8
	% Fixture	11.8	0.0	11.8
<b>Street Side</b>	Lumens	2610.6	0.0	2610.6
	% Fixture	88.2	0.0	88.2
<b>Total</b>	Lumens	2959.4	0.0	2959.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	34.1	1.2
10°-20°	95.4	3.2
20°-30°	160.7	5.4
30°-40°	275.0	9.3
40°-50°	461.8	15.6
50°-60°	708.9	24.0
60°-70°	818.5	27.7
70°-80°	386.6	13.1
80°-90°	18.3	0.6
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°	2959.4	100.0
0°-180°	2959.4	100.0

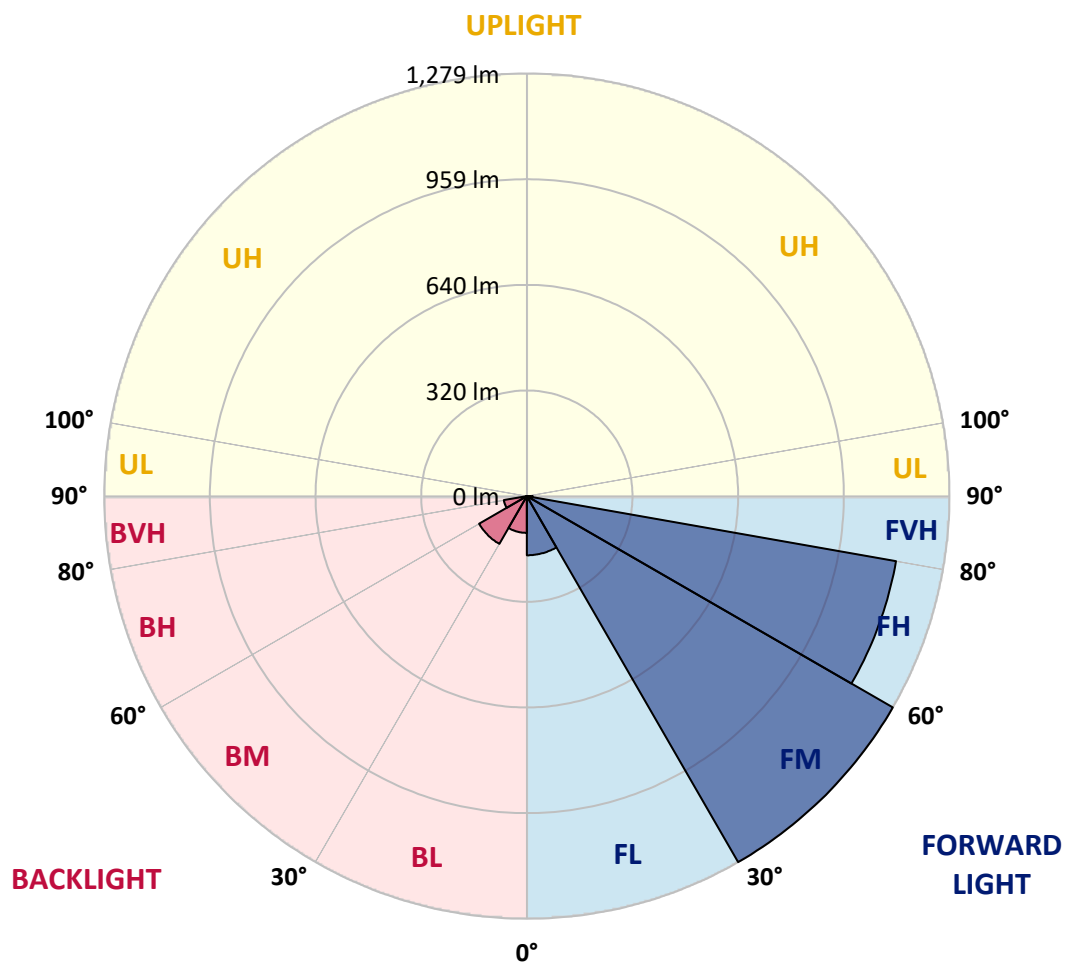


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	179.0	6.0			
FM (30°-60°)	1279.0	43.2			
FH (60°-80°)	1134.5	38.3			G1/1800
FVH (80°-90°)	18.0	0.6			G1/100
BL (0°-30°)	111.2	3.8	B1/500		
BM (30°-60°)	166.7	5.6	B0/220		
BH (60°-80°)	70.6	2.4	B0/110		G0/110
BVH (80°-90°)	0.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2
2.5°	359.9	357.6	359.9	362.9	359.9	362.1	361.4	363.6	360.6	360.6	362.9
5°	336.4	340.2	341.7	345.5	349.3	356.1	360.6	360.6	365.2	367.4	370.4
7.5°	328.1	322.1	328.1	331.1	334.9	346.3	353.1	356.1	362.1	370.4	375.0
10°	316.0	320.5	320.5	330.4	335.7	342.5	354.6	356.8	370.4	378.8	383.3
12.5°	315.3	315.3	319.0	325.8	336.4	349.3	364.4	359.9	374.2	389.3	396.9
15°	317.5	322.8	322.8	331.9	340.2	358.3	371.2	372.0	392.4	407.5	414.3
17.5°	327.4	325.1	328.1	333.4	346.3	363.6	384.8	387.1	410.5	430.9	440.8
20°	347.8	351.5	347.0	344.0	349.3	372.0	399.2	403.7	430.2	449.8	459.7
22.5°	424.1	421.1	403.0	381.8	372.7	383.3	412.8	423.4	454.4	477.8	486.1
25°	510.3	505.0	483.8	452.1	410.5	406.0	440.0	440.0	484.6	510.3	508.0
27.5°	592.0	590.4	565.5	532.2	473.3	440.8	461.9	470.2	518.6	539.8	530.0
30°	675.1	676.6	653.9	613.9	551.9	496.7	492.9	499.7	544.3	577.6	557.2
32.5°	771.9	758.3	742.4	687.2	630.5	568.5	533.0	530.0	573.1	603.3	576.1
35°	858.1	849.8	832.4	782.5	717.5	643.4	593.5	585.9	609.3	649.4	619.9
37.5°	933.7	925.4	902.7	869.4	818.8	736.4	666.0	654.7	664.5	706.9	671.3
40°	998.7	1001.0	994.9	962.4	915.5	840.7	759.8	741.6	733.3	771.1	731.1
42.5°	1045.6	1067.5	1069.0	1028.9	991.1	950.3	859.6	845.2	825.6	857.3	829.3
45°	1143.8	1131.7	1139.3	1124.9	1083.4	1077.3	974.5	966.2	939.0	949.5	920.1
47.5°	1221.0	1218.7	1233.0	1209.6	1198.3	1199.0	1105.3	1090.9	1052.4	1072.0	1038.8
50°	1265.6	1253.5	1305.6	1323.8	1321.5	1330.6	1237.6	1225.5	1188.4	1217.2	1146.1
52.5°	1276.1	1298.1	1347.2	1413.0	1441.0	1459.9	1382.0	1377.4	1337.4	1355.5	1257.2
55°	1302.6	1323.8	1352.5	1460.6	1564.2	1568.7	1524.1	1528.6	1493.1	1488.6	1363.1
57.5°	1301.8	1297.3	1376.7	1502.2	1645.8	1710.8	1686.7	1664.7	1626.2	1581.6	1431.1
60°	1254.2	1251.9	1334.4	1507.5	1690.4	1839.4	1849.2	1823.5	1726.7	1661.0	1511.3
62.5°	1159.7	1168.8	1251.9	1462.1	1732.8	1885.5	1921.8	1904.4	1784.2	1713.9	1605.8
65°	1051.6	1032.7	1129.5	1348.7	1637.5	1871.9	1950.5	1944.5	1852.2	1771.3	1692.7
67.5°	843.7	852.0	926.1	1160.5	1475.0	1822.0	2017.8	2026.9	1906.7	1822.0	1719.2
70°	534.5	549.6	626.7	838.4	1204.3	1664.7	2078.3	2104.7	1949.7	1817.4	1642.1
72.5°	155.7	161.8	266.9	418.1	767.3	1335.1	1981.5	1995.1	1865.8	1649.6	1270.1
75°	51.4	54.4	78.6	136.1	300.9	690.2	1463.6	1527.9	1484.8	1196.0	726.5
77.5°	34.0	35.5	43.1	65.0	114.2	216.2	784.7	853.5	836.9	560.2	234.4
80°	24.9	25.7	31.8	43.8	69.6	77.9	289.6	334.9	323.6	128.5	46.9
82.5°	15.9	15.9	23.4	31.0	43.8	38.6	83.9	93.0	90.7	49.1	18.1
85°	10.6	11.3	17.4	24.2	24.2	18.1	24.2	28.0	30.2	26.5	8.3
87.5°	3.0	3.8	9.8	16.6	9.8	9.1	8.3	9.1	10.6	14.4	4.5
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°	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2
2.5°	365.2	368.2	367.4	368.9	366.7	364.4	366.7	366.7	366.7	364.4	362.9
5°	368.2	366.7	368.2	365.2	368.2	365.2	363.6	359.1	358.3	358.3	361.4
7.5°	372.7	374.2	367.4	367.4	360.6	362.1	358.3	359.1	357.6	355.3	353.8
10°	379.5	385.6	378.8	376.5	368.9	362.9	353.8	349.3	349.3	346.3	349.3
12.5°	398.4	396.1	392.4	384.8	375.7	363.6	341.7	319.8	301.6	288.0	294.8
15°	413.5	412.8	407.5	393.1	381.0	344.0	288.8	232.1	201.9	188.2	186.0
17.5°	437.0	434.7	425.6	406.7	366.7	285.0	198.1	150.4	121.0	114.2	111.9
20°	458.9	458.1	438.5	414.3	330.4	207.9	129.3	99.0	90.7	91.5	90.0
22.5°	482.3	478.6	455.1	405.2	263.1	138.3	92.2	88.5	85.4	84.7	86.2
25°	508.8	495.2	471.7	384.8	193.5	95.3	86.9	83.9	80.9	80.1	80.1
27.5°	519.4	510.3	479.3	335.7	122.5	83.2	81.6	77.9	74.1	71.8	71.1
30°	543.6	528.4	486.9	263.8	86.9	76.4	74.1	69.6	64.3	60.5	60.5
32.5°	567.8	549.6	487.6	184.5	72.6	68.8	65.0	59.0	52.2	48.4	49.1
35°	598.0	573.1	479.3	119.4	65.0	60.5	52.9	46.1	40.1	37.0	37.0
37.5°	649.4	626.0	445.3	78.6	59.0	51.4	43.8	36.3	31.0	28.7	28.7
40°	714.4	684.2	398.4	62.0	52.2	43.8	34.8	28.0	24.9	22.7	22.7
42.5°	792.3	754.5	328.9	55.2	46.1	36.3	27.2	21.9	18.9	18.9	18.1
45°	870.2	808.2	257.8	50.7	40.8	30.2	21.2	17.4	15.9	15.1	15.1
47.5°	981.3	873.2	184.5	46.1	35.5	23.4	17.4	14.4	12.9	12.1	12.9
50°	1087.9	934.4	130.8	41.6	29.5	18.9	14.4	12.9	11.3	10.6	10.6
52.5°	1181.6	976.8	91.5	36.3	24.9	15.9	12.9	11.3	10.6	9.8	9.8
55°	1233.0	962.4	62.7	31.0	20.4	13.6	11.3	9.8	9.1	8.3	8.3
57.5°	1286.0	922.3	47.6	25.7	16.6	12.9	10.6	9.1	8.3	7.6	7.6
60°	1330.6	892.8	37.0	20.4	13.6	10.6	9.1	7.6	6.8	6.0	5.3
62.5°	1332.8	833.9	27.2	15.1	10.6	9.1	7.6	6.0	3.8	3.0	2.3
65°	1341.9	771.9	19.7	11.3	7.6	6.8	5.3	3.0	1.5	0.0	0.0
67.5°	1310.2	698.6	15.9	8.3	5.3	3.8	2.3	0.8	0.0	0.0	0.0
70°	1180.9	589.7	12.1	6.0	3.8	2.3	0.8	0.0	0.0	0.0	0.0
72.5°	845.2	383.3	8.3	4.5	1.5	0.8	0.0	0.0	0.0	0.0	0.0
75°	450.6	163.3	6.0	3.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	141.4	41.6	3.8	1.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0
80°	31.0	11.3	2.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	10.6	4.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.8	1.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.5	0.8	0.8	0.0	0.0	0.0	0.0	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)