

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: P676556

Luminaire Tested: **CCW-SA-1F-735-U-T4FT-HSS**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P676556  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1F-735-U-T4FT-HSS  
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @1200mA w/  
T4FT distribution lens and House Side Shield  
Light Source: (16) 3500K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

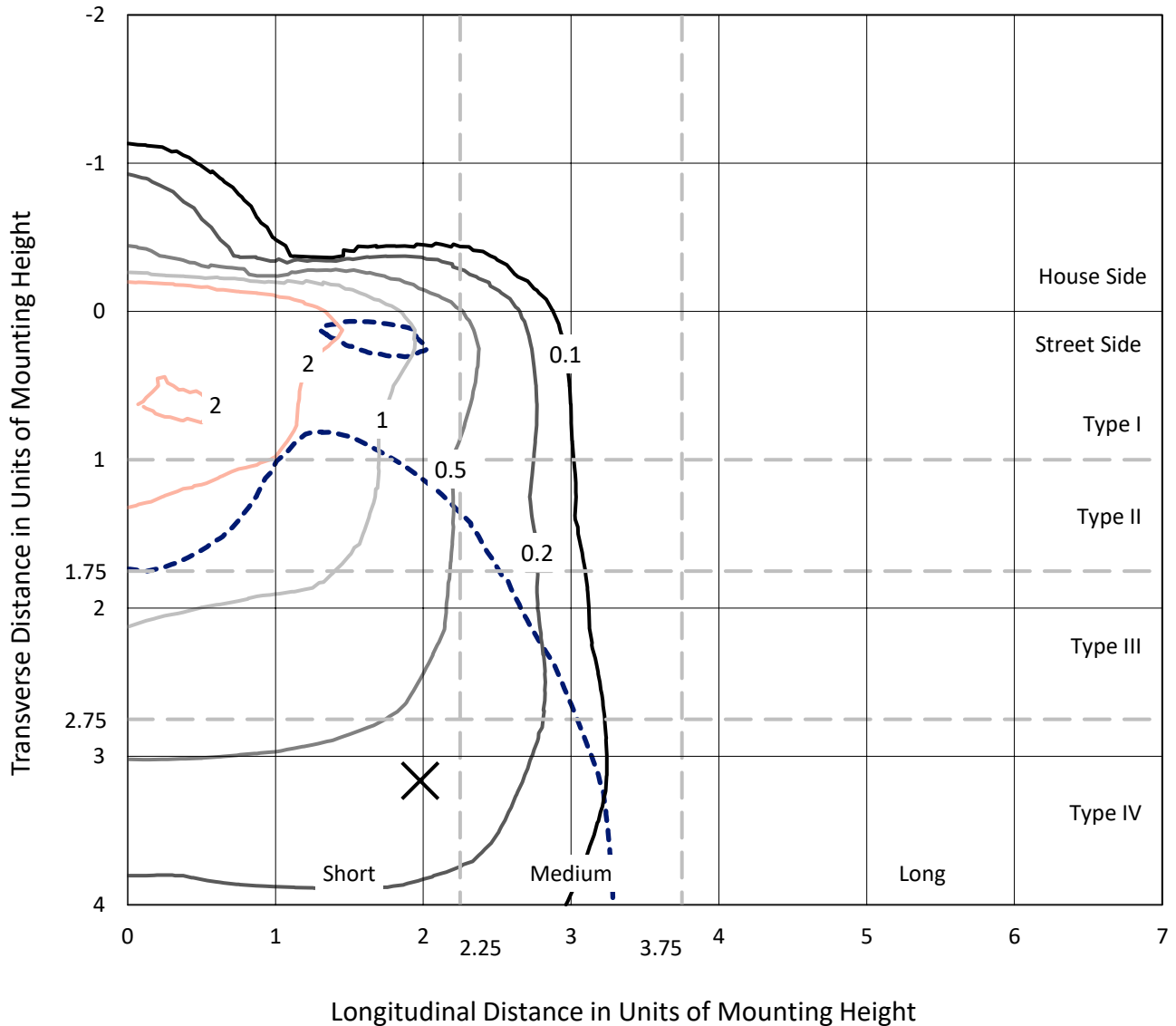
Lumens per Lamp: N/A  
Luminaire Lumens: 5309.9 lumens  
Efficiency: N/A  
Efficacy: 79.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 67  
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

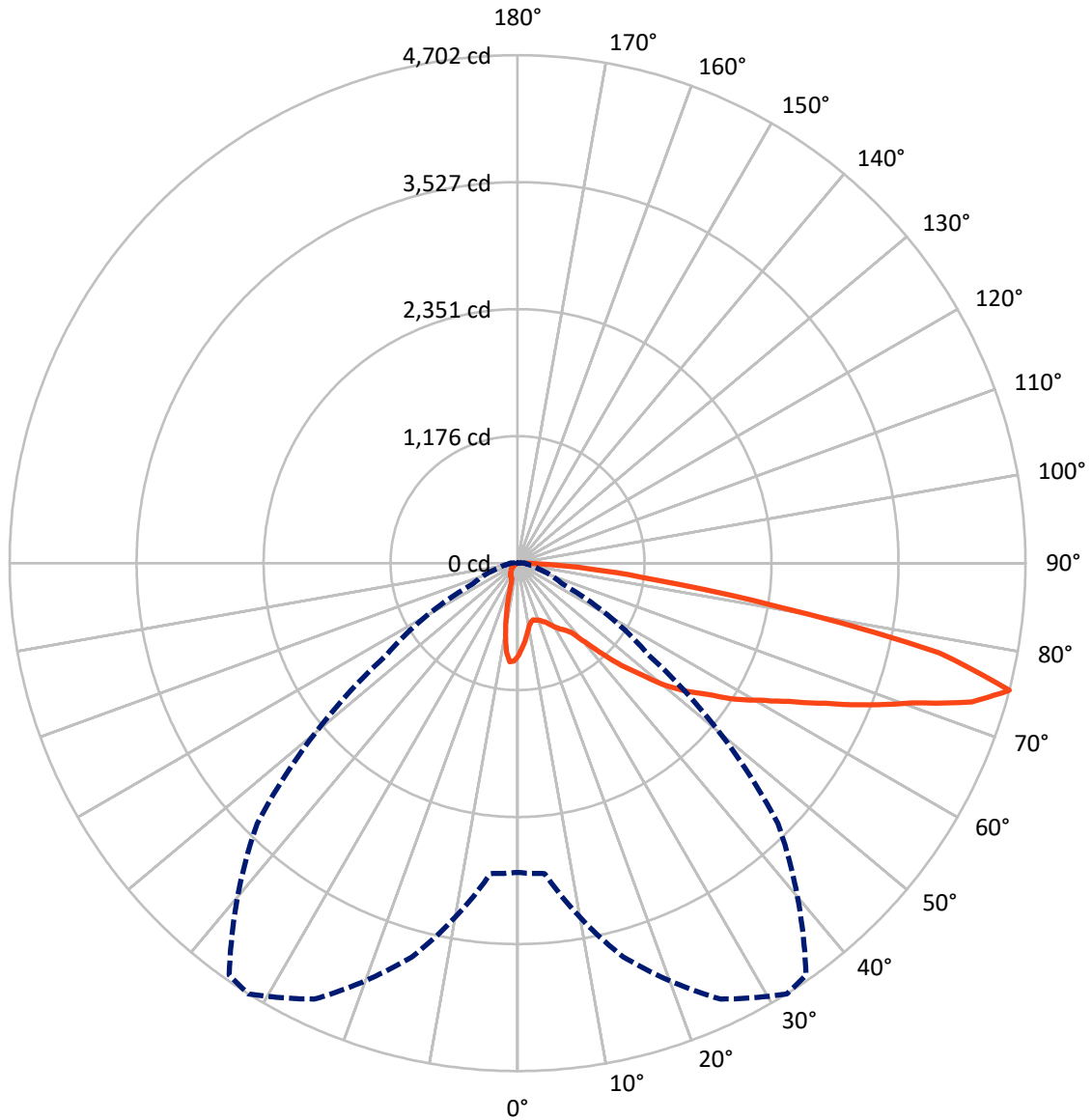
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.8 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 32-Deg Lateral    - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	573.6	0.0	573.6
	% Fixture	10.8	0.0	10.8
<b>Street Side</b>	Lumens	4736.3	0.0	4736.3
	% Fixture	89.2	0.0	89.2
<b>Total</b>	Lumens	5309.9	0.0	5309.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.4	1.4
10°-20°	171.1	3.2
20°-30°	256.1	4.8
30°-40°	393.1	7.4
40°-50°	687.5	12.9
50°-60°	1074.7	20.2
60°-70°	1389.4	26.2
70°-80°	1131.6	21.3
80°-90°	131.0	2.5
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°	5309.9	100.0
0°-180°	5309.9	100.0



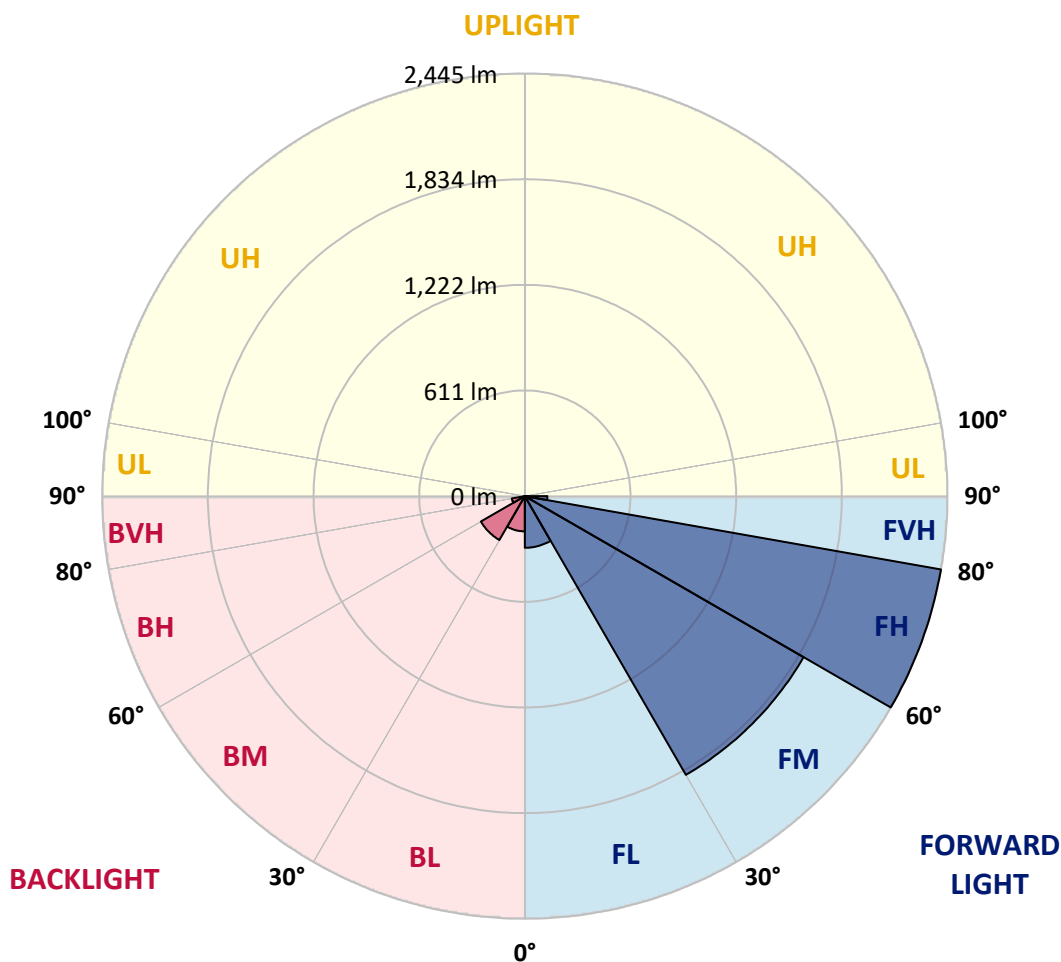
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	298.8	5.6			
FM (30°-60°)	1861.9	35.1			
FH (60°-80°)	2444.8	46.0			G2/5000
FVH (80°-90°)	130.9	2.5			G2/225
BL (0°-30°)	203.8	3.8	B1/500		
BM (30°-60°)	293.5	5.5	B1/1000		
BH (60°-80°)	76.3	1.4	B0/110		G0/110
BVH (80°-90°)	0.1	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-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	32°	35°	45°	55°	65°	75°	85°
0°	857.4	857.4	857.4	857.4	857.4	857.4	857.4	857.4	857.4	857.4	857.4
2.5°	768.9	779.8	778.5	785.3	786.6	790.7	800.2	800.2	827.4	846.5	858.8
5°	699.5	692.7	695.4	703.6	724.0	722.7	745.8	758.0	790.7	817.9	846.5
7.5°	613.8	612.4	617.9	636.9	651.9	664.1	688.6	719.9	763.5	804.3	854.7
10°	559.3	556.6	567.5	573.0	590.6	598.8	636.9	685.9	737.6	796.1	854.7
12.5°	547.1	537.6	543.0	541.7	558.0	562.1	598.8	658.7	721.3	793.4	865.6
15°	553.9	547.1	541.7	541.7	545.7	548.5	587.9	641.0	711.8	797.5	890.1
17.5°	575.7	571.6	555.3	538.9	556.6	556.6	581.1	636.9	713.1	809.8	920.0
20°	601.5	597.5	568.9	549.8	562.1	575.7	601.5	646.4	717.2	819.3	966.3
22.5°	630.1	630.1	590.6	568.9	585.2	586.6	632.8	676.4	733.5	843.8	996.2
25°	665.5	662.8	624.7	600.2	605.6	620.6	662.8	709.0	763.5	877.8	1052.0
27.5°	711.8	707.7	662.8	638.3	645.1	661.4	709.0	755.3	790.7	891.4	1099.6
30°	749.9	745.8	709.0	672.3	687.3	702.2	758.0	798.9	824.7	917.3	1154.1
32.5°	758.0	751.2	726.7	710.4	726.7	755.3	798.9	841.1	880.5	982.6	1257.5
35°	851.9	827.4	763.5	737.6	762.1	771.7	843.8	918.6	956.7	1034.3	1373.2
37.5°	1031.6	1008.5	924.1	851.9	817.9	828.8	922.7	1015.3	1052.0	1130.9	1499.8
40°	1252.1	1214.0	1124.1	1027.5	958.1	944.5	1005.7	1141.8	1177.2	1252.1	1665.8
42.5°	1503.8	1467.1	1328.3	1214.0	1143.2	1125.5	1135.0	1288.8	1318.7	1363.7	1774.7
45°	1684.8	1665.8	1509.3	1407.2	1351.4	1332.4	1309.2	1449.4	1487.5	1502.5	1932.5
47.5°	1789.6	1776.0	1688.9	1619.5	1544.7	1524.2	1539.2	1672.6	1646.7	1659.0	2083.6
50°	1929.8	1894.4	1776.0	1797.8	1782.8	1777.4	1803.2	1861.8	1823.7	1788.3	2248.3
52.5°	2042.8	1980.2	1897.1	1950.2	1973.4	1993.8	2085.0	2128.5	1958.4	1903.9	2354.4
55°	2112.2	2052.3	2074.1	2123.1	2147.6	2241.5	2349.0	2316.3	2046.8	1996.5	2496.0
57.5°	2174.8	2178.9	2237.4	2252.3	2377.6	2393.9	2600.7	2494.6	2109.4	2080.9	2551.8
60°	2325.8	2310.9	2358.5	2455.1	2574.9	2666.1	2863.4	2614.4	2140.8	2124.4	2536.8
62.5°	2598.0	2505.5	2521.8	2644.3	2819.9	2919.2	3014.5	2668.8	2132.6	2131.2	2491.9
65°	2943.7	2837.6	2788.6	2902.9	3130.2	3270.3	3184.6	2730.0	2078.1	2116.3	2324.5
67.5°	3230.9	3232.2	3141.0	3205.0	3501.7	3531.6	3345.2	2717.8	1987.0	1997.9	1916.2
70°	3561.6	3606.5	3526.2	3726.2	3874.6	3893.6	3528.9	2617.1	1791.0	1506.6	1101.0
72.5°	3645.9	3669.1	3919.5	4227.1	4394.5	4399.9	3709.9	2280.9	1178.6	665.5	341.6
75°	2863.4	2885.2	3772.5	4453.0	4702.0	4654.4	3407.8	1480.7	458.6	194.6	81.7
77.5°	1597.7	1604.5	2342.2	3599.7	3988.9	3797.0	2387.1	577.0	185.1	111.6	38.1
80°	436.9	513.1	868.3	1774.7	2436.1	2391.2	1136.4	187.8	119.8	87.1	17.7
82.5°	104.8	113.0	279.0	785.3	1287.4	1343.2	338.9	95.3	83.0	72.1	9.5
85°	38.1	42.2	85.7	382.4	661.4	607.0	102.1	47.6	61.2	55.8	4.1
87.5°	13.6	13.6	27.2	125.2	193.3	145.6	34.0	16.3	31.3	34.0	1.4
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°	857.4	857.4	857.4	857.4	857.4	857.4	857.4	857.4	857.4	857.4	857.4
2.5°	860.1	860.1	879.2	895.5	900.9	907.7	900.9	915.9	914.5	907.7	910.5
5°	861.5	886.0	902.3	913.2	918.6	917.3	920.0	903.7	894.1	887.3	880.5
7.5°	868.3	891.4	921.4	918.6	903.7	872.4	847.9	804.3	762.1	760.8	754.0
10°	891.4	911.8	929.5	918.6	864.2	768.9	691.4	632.8	579.8	555.3	558.0
12.5°	907.7	945.9	937.7	881.9	768.9	643.7	529.4	443.7	396.0	351.1	351.1
15°	941.8	955.4	952.7	828.8	651.9	502.2	363.4	276.3	225.9	205.5	202.8
17.5°	974.4	989.4	943.1	748.5	536.2	337.5	220.5	171.5	164.7	162.0	163.3
20°	1015.3	1016.6	935.0	668.2	402.8	213.7	157.9	153.8	155.1	153.8	153.8
22.5°	1058.8	1068.3	906.4	555.3	268.1	155.1	147.0	148.3	148.3	148.3	152.4
25°	1116.0	1101.0	861.5	447.7	175.6	142.9	142.9	144.3	144.3	144.3	145.6
27.5°	1154.1	1133.7	804.3	322.5	137.5	134.7	137.5	137.5	140.2	140.2	140.2
30°	1233.0	1179.9	732.2	208.2	123.8	127.9	130.6	133.4	134.7	137.5	138.8
32.5°	1294.2	1220.8	642.4	138.8	113.0	115.7	122.5	127.9	133.4	132.0	132.0
35°	1405.8	1287.4	559.3	110.2	103.4	103.4	110.2	119.8	127.9	130.6	130.6
37.5°	1533.8	1341.9	443.7	100.7	95.3	95.3	99.3	110.2	121.1	126.6	123.8
40°	1639.9	1404.5	328.0	93.9	88.5	88.5	91.2	99.3	111.6	121.1	122.5
42.5°	1714.8	1450.8	221.8	87.1	83.0	81.7	85.7	89.8	99.3	113.0	115.7
45°	1782.8	1475.3	137.5	80.3	77.6	77.6	77.6	81.7	88.5	100.7	103.4
47.5°	1903.9	1502.5	99.3	74.9	70.8	72.1	73.5	74.9	80.3	83.0	84.4
50°	2006.0	1522.9	81.7	69.4	66.7	68.0	68.0	68.0	70.8	66.7	66.7
52.5°	2083.6	1502.5	69.4	64.0	61.2	62.6	61.2	61.2	58.5	53.1	53.1
55°	2140.8	1465.7	55.8	58.5	58.5	58.5	55.8	51.7	46.3	42.2	42.2
57.5°	2155.7	1403.1	43.5	49.0	53.1	53.1	47.6	42.2	35.4	31.3	29.9
60°	2132.6	1267.0	32.7	35.4	40.8	42.2	38.1	31.3	24.5	20.4	20.4
62.5°	2049.6	1159.5	25.9	23.1	29.9	31.3	27.2	20.4	13.6	9.5	8.2
65°	1891.7	993.5	19.1	16.3	20.4	21.8	17.7	9.5	4.1	1.4	0.0
67.5°	1517.4	748.5	12.2	10.9	13.6	13.6	8.2	2.7	0.0	0.0	0.0
70°	839.7	420.5	8.2	5.4	6.8	4.1	1.4	0.0	0.0	0.0	0.0
72.5°	242.2	119.8	4.1	2.7	1.4	0.0	0.0	0.0	0.0	0.0	0.0
75°	65.3	28.6	2.7	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	28.6	10.9	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	12.2	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	6.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.4	0.0	0.0	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)