

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: P676712

Luminaire Tested: **CCW-SA-2A-740-U-T4W-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676712
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2A-740-U-T4W-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @350mA w/
T4W distribution lens and House Side Shield
Light Source: (32) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

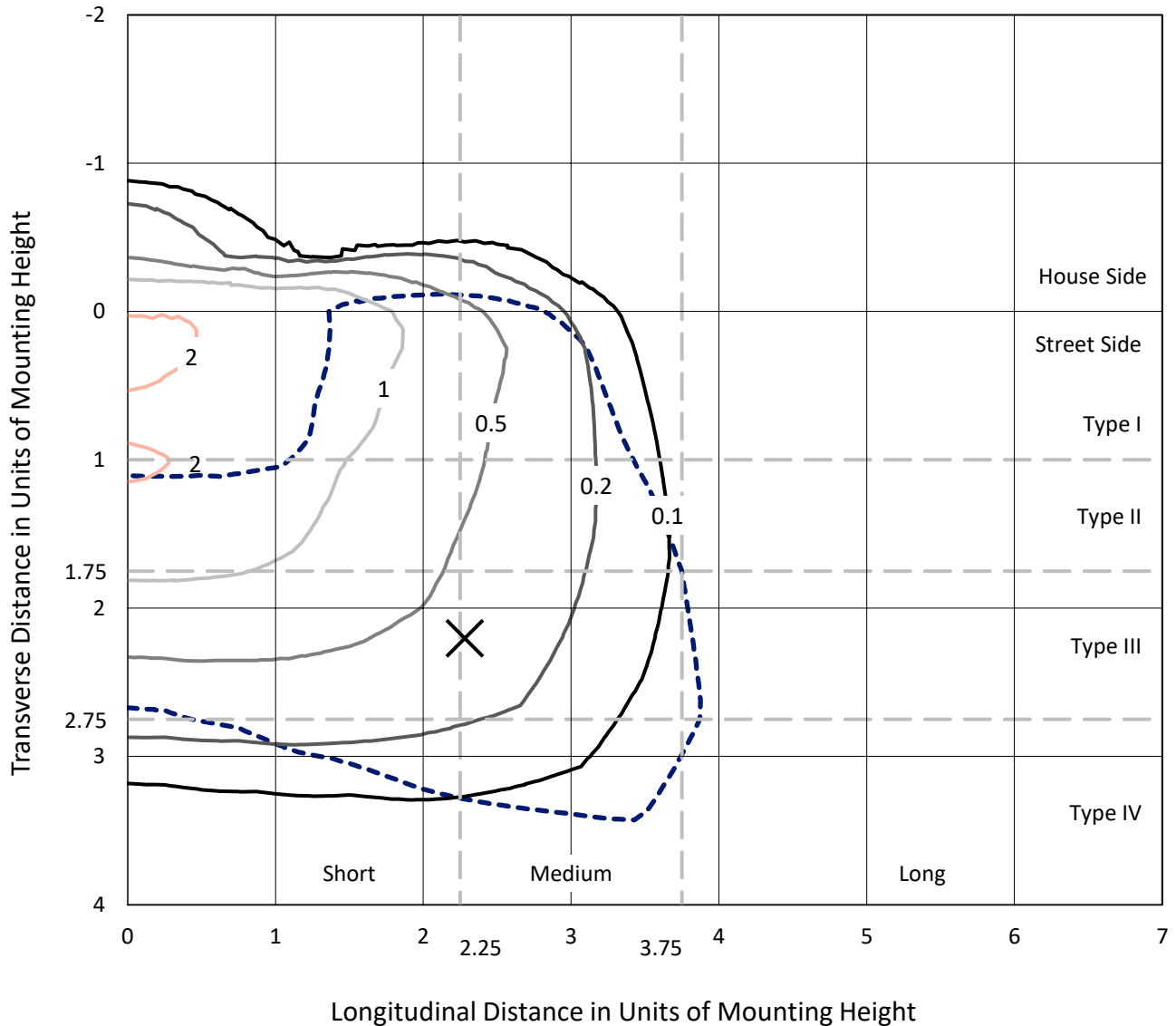
Lumens per Lamp: N/A
Luminaire Lumens: 3947.7 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 36.2
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

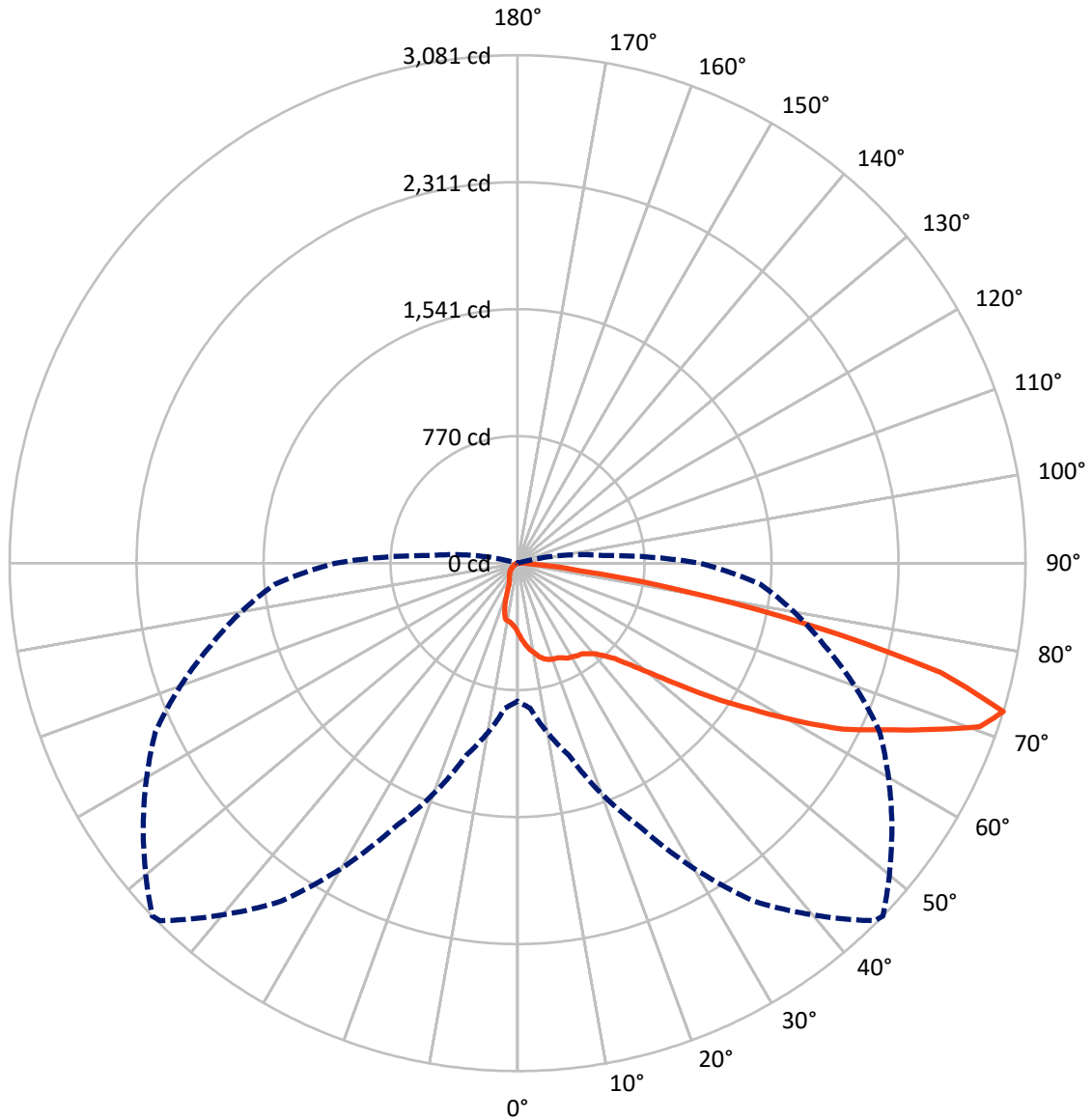
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.7 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	425.0	0.0	425.0
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	3522.7	0.0	3522.7
	% Fixture	89.2	0.0	89.2
Total	Lumens	3947.7	0.0	3947.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.2	1.1
10°-20°	127.5	3.2
20°-30°	199.6	5.1
30°-40°	279.5	7.1
40°-50°	460.9	11.7
50°-60°	828.4	21.0
60°-70°	1200.7	30.4
70°-80°	749.4	19.0
80°-90°	59.4	1.5
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°	3947.7	100.0
0°-180°	3947.7	100.0



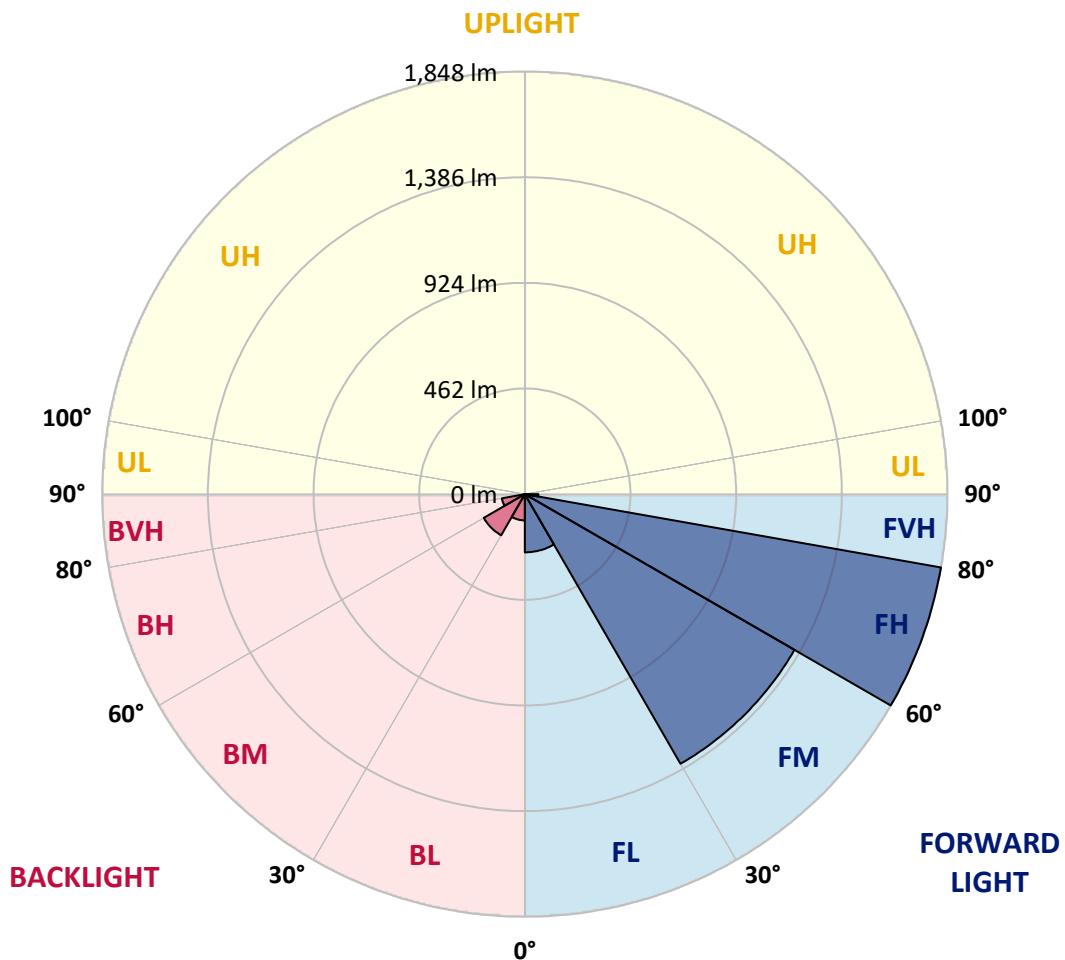
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	254.4	6.4			
FM (30°-60°)	1361.2	34.5			
FH (60°-80°)	1847.9	46.8			G2/5000
FVH (80°-90°)	59.1	1.5			G1/100
BL (0°-30°)	114.9	2.9	B1/500		
BM (30°-60°)	207.6	5.3	B0/220		
BH (60°-80°)	102.2	2.6	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-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	421.9	421.9	421.9	421.9	421.9	421.9	421.9	421.9	421.9	421.9	421.9
2.5°	472.3	470.2	473.3	472.3	460.2	462.2	461.2	453.1	439.0	431.0	425.9
5°	526.6	531.7	527.6	518.6	511.5	497.4	495.4	482.3	460.2	446.1	431.0
7.5°	583.0	583.0	575.0	560.9	545.8	530.7	528.6	506.5	487.4	463.2	442.0
10°	625.3	620.3	614.2	599.1	582.0	561.9	551.8	535.7	514.5	485.3	458.2
12.5°	662.6	654.5	644.4	622.3	602.2	580.0	582.0	555.8	541.7	515.6	475.3
15°	683.7	676.7	667.6	647.5	616.3	606.2	602.2	586.0	560.9	534.7	496.4
17.5°	688.8	683.7	671.6	645.5	628.3	616.3	615.2	596.1	585.0	562.9	520.6
20°	678.7	669.6	660.6	643.4	627.3	623.3	620.3	620.3	606.2	577.0	535.7
22.5°	661.6	651.5	646.5	636.4	623.3	622.3	624.3	622.3	611.2	592.1	551.8
25°	648.5	643.4	635.4	632.4	624.3	639.4	636.4	633.4	630.3	608.2	577.0
27.5°	652.5	651.5	645.5	633.4	627.3	643.4	652.5	653.5	652.5	630.3	600.1
30°	654.5	649.5	643.4	640.4	642.4	658.5	658.5	680.7	671.6	649.5	623.3
32.5°	677.7	674.7	654.5	647.5	648.5	667.6	668.6	690.8	687.7	672.6	643.4
35°	727.0	706.9	677.7	657.5	657.5	682.7	674.7	706.9	714.9	690.8	657.5
37.5°	800.5	785.4	733.1	687.7	670.6	688.8	696.8	714.9	739.1	718.0	685.7
40°	946.5	943.5	869.0	771.3	703.9	720.0	723.0	751.2	767.3	738.1	729.0
42.5°	1160.0	1144.9	1075.4	921.4	764.3	757.2	768.3	786.4	824.7	800.5	778.4
45°	1368.4	1361.4	1291.9	1119.7	874.0	831.7	825.7	857.9	914.3	888.1	871.0
47.5°	1519.5	1505.4	1466.1	1321.1	1035.1	919.3	923.4	955.6	1027.1	1006.9	1012.0
50°	1635.3	1628.2	1586.9	1507.4	1238.5	1057.3	1049.2	1081.5	1178.1	1191.2	1205.3
52.5°	1762.2	1775.2	1719.9	1652.4	1479.2	1242.6	1224.4	1235.5	1360.4	1390.6	1429.9
55°	1884.0	1905.1	1849.8	1840.7	1730.9	1448.0	1445.0	1418.8	1579.9	1583.9	1605.1
57.5°	1963.5	1956.5	1952.5	2001.8	1982.7	1683.6	1668.5	1642.3	1788.3	1762.2	1825.6
60°	1969.6	1989.7	2057.2	2179.0	2213.3	1960.5	1938.4	1866.9	1968.6	1906.1	2027.0
62.5°	2014.9	2031.0	2155.9	2324.0	2368.3	2204.2	2219.3	2038.1	2122.6	2073.3	2250.5
65°	1900.1	1950.5	2201.2	2436.8	2571.7	2450.9	2435.8	2258.6	2280.7	2234.4	2471.0
67.5°	1796.4	1815.5	2077.3	2471.0	2732.8	2698.6	2692.6	2453.9	2443.9	2358.3	2533.5
70°	1460.1	1483.2	1742.0	2295.8	2787.2	2987.6	2973.5	2727.8	2554.6	2290.8	2213.3
72.5°	836.8	883.1	1207.3	1768.2	2504.3	3068.2	3081.3	2772.1	2423.7	1926.3	1478.2
75°	273.9	287.0	501.5	1001.9	1872.9	2676.5	2653.3	2382.4	1955.5	1271.8	667.6
77.5°	92.6	94.7	148.0	362.5	1038.2	1808.5	1821.6	1702.7	1201.3	528.6	184.3
80°	47.3	50.3	72.5	135.9	426.9	984.8	1005.9	970.7	503.5	156.1	44.3
82.5°	22.2	23.2	42.3	75.5	195.3	386.7	386.7	424.9	178.2	87.6	18.1
85°	8.1	8.1	22.2	43.3	82.6	128.9	129.9	130.9	93.6	65.5	8.1
87.5°	3.0	3.0	11.1	18.1	30.2	39.3	39.3	31.2	47.3	43.3	3.0
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°	421.9	421.9	421.9	421.9	421.9	421.9	421.9	421.9	421.9	421.9	421.9
2.5°	423.9	417.9	412.8	405.8	396.7	391.7	392.7	386.7	386.7	383.6	382.6
5°	423.9	417.9	404.8	392.7	384.7	374.6	369.5	365.5	365.5	363.5	364.5
7.5°	426.9	417.9	399.8	383.6	370.6	360.5	352.4	351.4	349.4	344.4	348.4
10°	445.1	432.0	401.8	379.6	364.5	353.4	339.3	335.3	329.3	320.2	321.2
12.5°	460.2	443.1	415.9	385.7	366.5	348.4	316.2	280.9	265.8	249.7	250.7
15°	482.3	458.2	420.9	393.7	366.5	308.1	249.7	204.4	180.2	168.2	168.2
17.5°	494.4	474.3	435.0	398.8	337.3	250.7	177.2	138.0	133.9	135.9	135.9
20°	519.6	492.4	451.1	402.8	289.0	178.2	129.9	125.9	127.9	131.9	130.9
22.5°	535.7	508.5	463.2	384.7	223.5	127.9	121.8	119.8	121.8	126.9	126.9
25°	548.8	531.7	482.3	340.3	158.1	115.8	113.8	115.8	117.8	119.8	122.8
27.5°	581.0	551.8	495.4	283.0	113.8	107.7	109.8	110.8	110.8	113.8	114.8
30°	602.2	579.0	505.5	218.5	100.7	99.7	101.7	102.7	103.7	106.7	107.7
32.5°	622.3	614.2	492.4	148.0	94.7	92.6	91.6	92.6	96.7	99.7	98.7
35°	651.5	646.5	473.3	102.7	88.6	84.6	82.6	83.6	86.6	89.6	88.6
37.5°	686.7	691.8	426.9	89.6	82.6	77.5	73.5	73.5	74.5	77.5	78.5
40°	728.0	741.1	372.6	83.6	78.5	72.5	68.5	63.4	62.4	61.4	62.4
42.5°	803.5	818.6	311.1	79.5	72.5	65.5	59.4	53.4	48.3	45.3	45.3
45°	909.3	897.2	230.6	75.5	69.5	59.4	50.3	43.3	36.3	33.2	33.2
47.5°	1055.3	1014.0	158.1	71.5	64.4	52.4	42.3	33.2	27.2	24.2	24.2
50°	1257.7	1121.7	102.7	67.5	61.4	45.3	34.2	24.2	20.1	19.1	20.1
52.5°	1449.0	1231.5	81.6	62.4	55.4	39.3	26.2	20.1	18.1	17.1	17.1
55°	1625.2	1286.9	72.5	57.4	50.3	32.2	22.2	17.1	16.1	15.1	15.1
57.5°	1774.2	1306.0	62.4	50.3	40.3	25.2	18.1	15.1	13.1	12.1	12.1
60°	1903.1	1311.0	48.3	40.3	29.2	19.1	15.1	13.1	11.1	9.1	9.1
62.5°	2005.8	1275.8	34.2	28.2	20.1	15.1	13.1	9.1	6.0	4.0	3.0
65°	2087.4	1205.3	23.2	19.1	13.1	11.1	8.1	4.0	1.0	0.0	0.0
67.5°	1991.7	1045.2	18.1	14.1	9.1	7.0	4.0	1.0	0.0	0.0	0.0
70°	1624.2	810.6	13.1	9.1	6.0	2.0	1.0	0.0	0.0	0.0	0.0
72.5°	1105.6	522.6	10.1	6.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0
75°	496.4	187.3	7.0	4.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	120.8	44.3	5.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	32.2	11.1	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	12.1	4.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	5.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.0	1.0	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)