

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: P673533

Luminaire Tested: **CCP-SA-1F-730-U-T4W-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P673533
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-730-U-T4W-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1200mA w/ T4W distribution lens and House Side Shield
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

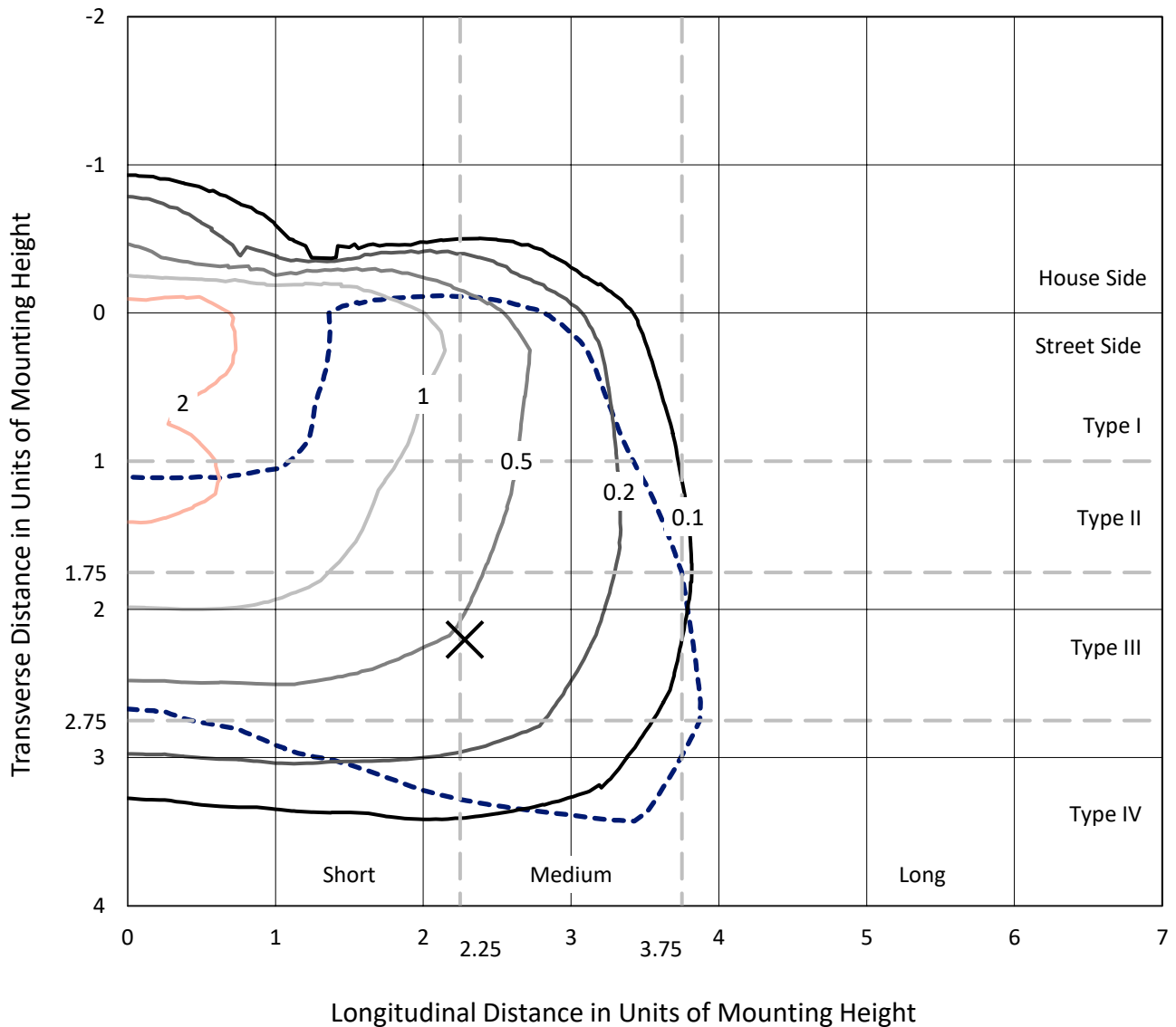
Lumens per Lamp: N/A
Luminaire Lumens: 4925.8 lumens
Efficiency: N/A
Efficacy: 73.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

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

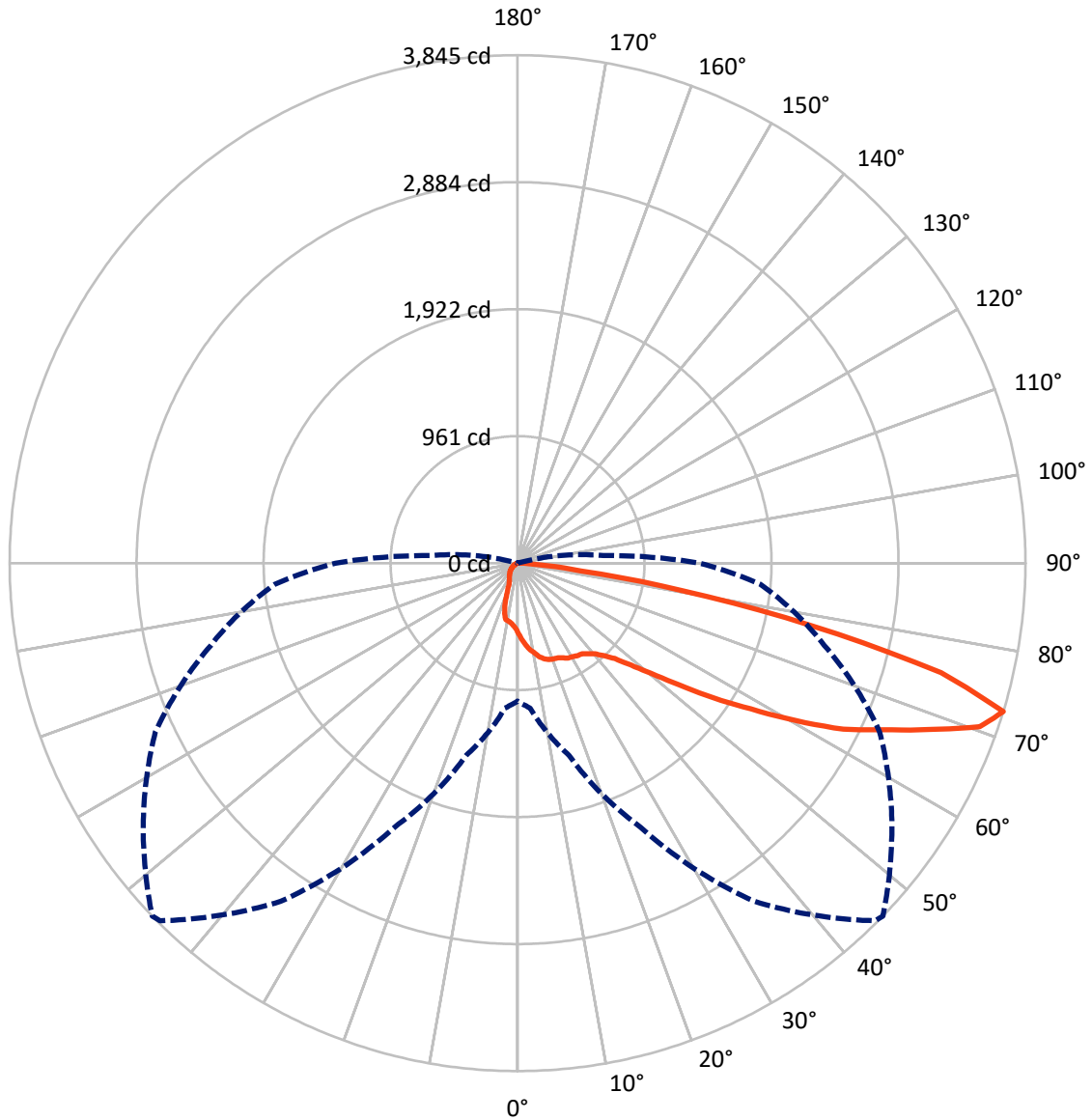
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.4 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	530.3	0.0	530.3
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	4395.5	0.0	4395.5
	% Fixture	89.2	0.0	89.2
Total	Lumens	4925.8	0.0	4925.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.7	1.1
10°-20°	159.1	3.2
20°-30°	249.0	5.1
30°-40°	348.8	7.1
40°-50°	575.1	11.7
50°-60°	1033.7	21.0
60°-70°	1498.2	30.4
70°-80°	935.0	19.0
80°-90°	74.1	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°	4925.8	100.0
0°-180°	4925.8	100.0



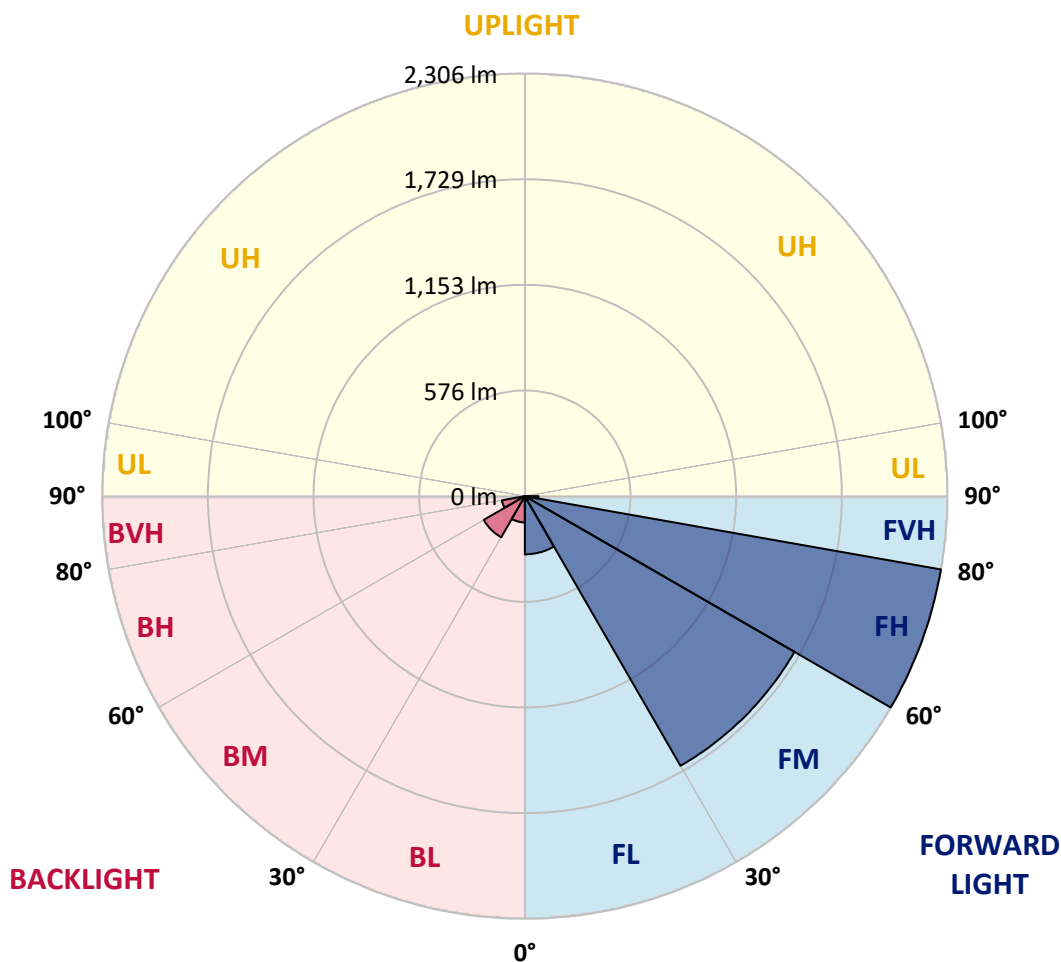
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	317.5	6.4			
FM (30°-60°)	1698.5	34.5			
FH (60°-80°)	2305.8	46.8			G2/5000
FVH (80°-90°)	73.7	1.5			G1/100
BL (0°-30°)	143.3	2.9	B1/500		
BM (30°-60°)	259.1	5.3	B1/1000		
BH (60°-80°)	127.5	2.6	B1/500		G1/500
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: 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°	526.5	526.5	526.5	526.5	526.5	526.5	526.5	526.5	526.5	526.5	526.5
2.5°	589.3	586.8	590.5	589.3	574.2	576.7	575.5	565.4	547.8	537.8	531.5
5°	657.1	663.4	658.4	647.1	638.3	620.7	618.2	601.8	574.2	556.6	537.8
7.5°	727.5	727.5	717.4	699.8	681.0	662.1	659.6	632.0	608.1	578.0	551.6
10°	780.3	774.0	766.4	747.6	726.2	701.1	688.5	668.4	642.0	605.6	571.7
12.5°	826.7	816.7	804.1	776.5	751.4	723.7	726.2	693.6	676.0	643.3	593.0
15°	853.1	844.3	833.0	807.9	768.9	756.4	751.4	731.3	699.8	667.2	619.4
17.5°	859.4	853.1	838.0	805.4	784.0	768.9	767.7	743.8	730.0	702.4	649.6
20°	846.8	835.5	824.2	802.9	782.8	777.7	774.0	774.0	756.4	719.9	668.4
22.5°	825.5	812.9	806.6	794.1	777.7	776.5	779.0	776.5	762.7	738.8	688.5
25°	809.2	802.9	792.8	789.0	779.0	797.8	794.1	790.3	786.5	758.9	719.9
27.5°	814.2	812.9	805.4	790.3	782.8	802.9	814.2	815.4	814.2	786.5	748.8
30°	816.7	810.4	802.9	799.1	801.6	821.7	821.7	849.4	838.0	810.4	777.7
32.5°	845.6	841.8	816.7	807.9	809.2	833.0	834.3	861.9	858.2	839.3	802.9
35°	907.2	882.0	845.6	820.5	820.5	851.9	841.8	882.0	892.1	861.9	820.5
37.5°	998.9	980.0	914.7	858.2	836.8	859.4	869.5	892.1	922.2	895.8	855.6
40°	1181.1	1177.3	1084.3	962.4	878.3	898.4	902.1	937.3	957.4	921.0	909.7
42.5°	1447.4	1428.6	1341.9	1149.6	953.6	944.8	958.7	981.3	1029.0	998.9	971.2
45°	1707.5	1698.7	1612.0	1397.2	1090.6	1037.8	1030.3	1070.5	1140.9	1108.2	1086.8
47.5°	1896.0	1878.4	1829.4	1648.5	1291.6	1147.1	1152.2	1192.4	1281.6	1256.4	1262.7
50°	2040.5	2031.7	1980.2	1880.9	1545.4	1319.3	1309.2	1349.4	1470.0	1486.4	1504.0
52.5°	2198.8	2215.1	2146.0	2061.8	1845.7	1550.5	1527.8	1541.7	1697.5	1735.2	1784.2
55°	2350.8	2377.2	2308.1	2296.8	2159.8	1806.8	1803.0	1770.3	1971.4	1976.4	2002.8
57.5°	2450.1	2441.3	2436.2	2497.8	2473.9	2100.8	2081.9	2049.3	2231.4	2198.8	2277.9
60°	2457.6	2482.7	2566.9	2718.9	2761.7	2446.3	2418.7	2329.4	2456.4	2378.5	2529.2
62.5°	2514.1	2534.2	2690.0	2899.9	2955.2	2750.4	2769.2	2543.0	2648.6	2587.0	2808.2
65°	2370.9	2433.7	2746.6	3040.6	3209.0	3058.2	3039.3	2818.2	2845.8	2788.1	3083.3
67.5°	2241.5	2265.4	2592.0	3083.3	3410.0	3367.3	3359.7	3062.0	3049.4	2942.6	3161.2
70°	1821.8	1850.7	2173.7	2864.7	3477.8	3727.9	3710.3	3403.7	3187.6	2858.4	2761.7
72.5°	1044.1	1101.9	1506.5	2206.3	3124.8	3828.4	3844.7	3459.0	3024.3	2403.6	1844.5
75°	341.8	358.1	625.7	1250.2	2337.0	3339.6	3310.7	2972.7	2440.0	1586.9	833.0
77.5°	115.6	118.1	184.7	452.3	1295.4	2256.6	2272.9	2124.6	1498.9	659.6	229.9
80°	59.1	62.8	90.5	169.6	532.7	1228.8	1255.2	1211.2	628.2	194.7	55.3
82.5°	27.6	28.9	52.8	94.2	243.8	482.5	482.5	530.2	222.4	109.3	22.6
85°	10.1	10.1	27.6	54.0	103.0	160.8	162.1	163.3	116.8	81.7	10.1
87.5°	3.8	3.8	13.8	22.6	37.7	49.0	49.0	38.9	59.1	54.0	3.8
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°	526.5	526.5	526.5	526.5	526.5	526.5	526.5	526.5	526.5	526.5	526.5
2.5°	529.0	521.4	515.1	506.3	495.0	488.8	490.0	482.5	482.5	478.7	477.4
5°	529.0	521.4	505.1	490.0	480.0	467.4	461.1	456.1	456.1	453.6	454.8
7.5°	532.7	521.4	498.8	478.7	462.4	449.8	439.8	438.5	436.0	429.7	434.7
10°	555.3	539.0	501.3	473.7	454.8	441.0	423.4	418.4	410.9	399.5	400.8
12.5°	574.2	552.8	518.9	481.2	457.3	434.7	394.5	350.5	331.7	311.6	312.9
15°	601.8	571.7	525.2	491.3	457.3	384.5	311.6	255.1	224.9	209.8	209.8
17.5°	616.9	591.8	542.8	497.6	420.9	312.9	221.1	172.1	167.1	169.6	169.6
20°	648.3	614.4	562.9	502.6	360.6	222.4	162.1	157.1	159.6	164.6	163.3
22.5°	668.4	634.5	578.0	480.0	278.9	159.6	152.0	149.5	152.0	158.3	158.3
25°	684.8	663.4	601.8	424.7	197.3	144.5	142.0	144.5	147.0	149.5	153.3
27.5°	725.0	688.5	618.2	353.1	142.0	134.4	137.0	138.2	138.2	142.0	143.2
30°	751.4	722.5	630.7	272.6	125.6	124.4	126.9	128.2	129.4	133.2	134.4
32.5°	776.5	766.4	614.4	184.7	118.1	115.6	114.3	115.6	120.6	124.4	123.1
35°	812.9	806.6	590.5	128.2	110.6	105.5	103.0	104.3	108.1	111.8	110.6
37.5°	856.9	863.2	532.7	111.8	103.0	96.7	91.7	91.7	93.0	96.7	98.0
40°	908.4	924.7	464.9	104.3	98.0	90.5	85.4	79.2	77.9	76.6	77.9
42.5°	1002.6	1021.5	388.2	99.3	90.5	81.7	74.1	66.6	60.3	56.5	56.5
45°	1134.6	1119.5	287.7	94.2	86.7	74.1	62.8	54.0	45.2	41.5	41.5
47.5°	1316.8	1265.2	197.3	89.2	80.4	65.3	52.8	41.5	33.9	30.2	30.2
50°	1569.3	1399.7	128.2	84.2	76.6	56.5	42.7	30.2	25.1	23.9	25.1
52.5°	1808.0	1536.6	101.8	77.9	69.1	49.0	32.7	25.1	22.6	21.4	21.4
55°	2027.9	1605.7	90.5	71.6	62.8	40.2	27.6	21.4	20.1	18.8	18.8
57.5°	2213.9	1629.6	77.9	62.8	50.3	31.4	22.6	18.8	16.3	15.1	15.1
60°	2374.7	1635.9	60.3	50.3	36.4	23.9	18.8	16.3	13.8	11.3	11.3
62.5°	2502.8	1591.9	42.7	35.2	25.1	18.8	16.3	11.3	7.5	5.0	3.8
65°	2604.6	1504.0	28.9	23.9	16.3	13.8	10.1	5.0	1.3	0.0	0.0
67.5°	2485.2	1304.2	22.6	17.6	11.3	8.8	5.0	1.3	0.0	0.0	0.0
70°	2026.6	1011.4	16.3	11.3	7.5	2.5	1.3	0.0	0.0	0.0	0.0
72.5°	1379.6	652.1	12.6	7.5	3.8	1.3	0.0	0.0	0.0	0.0	0.0
75°	619.4	233.7	8.8	5.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	150.8	55.3	6.3	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	40.2	13.8	3.8	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	15.1	5.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	6.3	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.5	1.3	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)