

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: P674770

Luminaire Tested: **CCP-SA-1C-840-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674770
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-840-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ T3R distribution lens and House Side Shield
Light Source: (16) 4000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3057.2 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

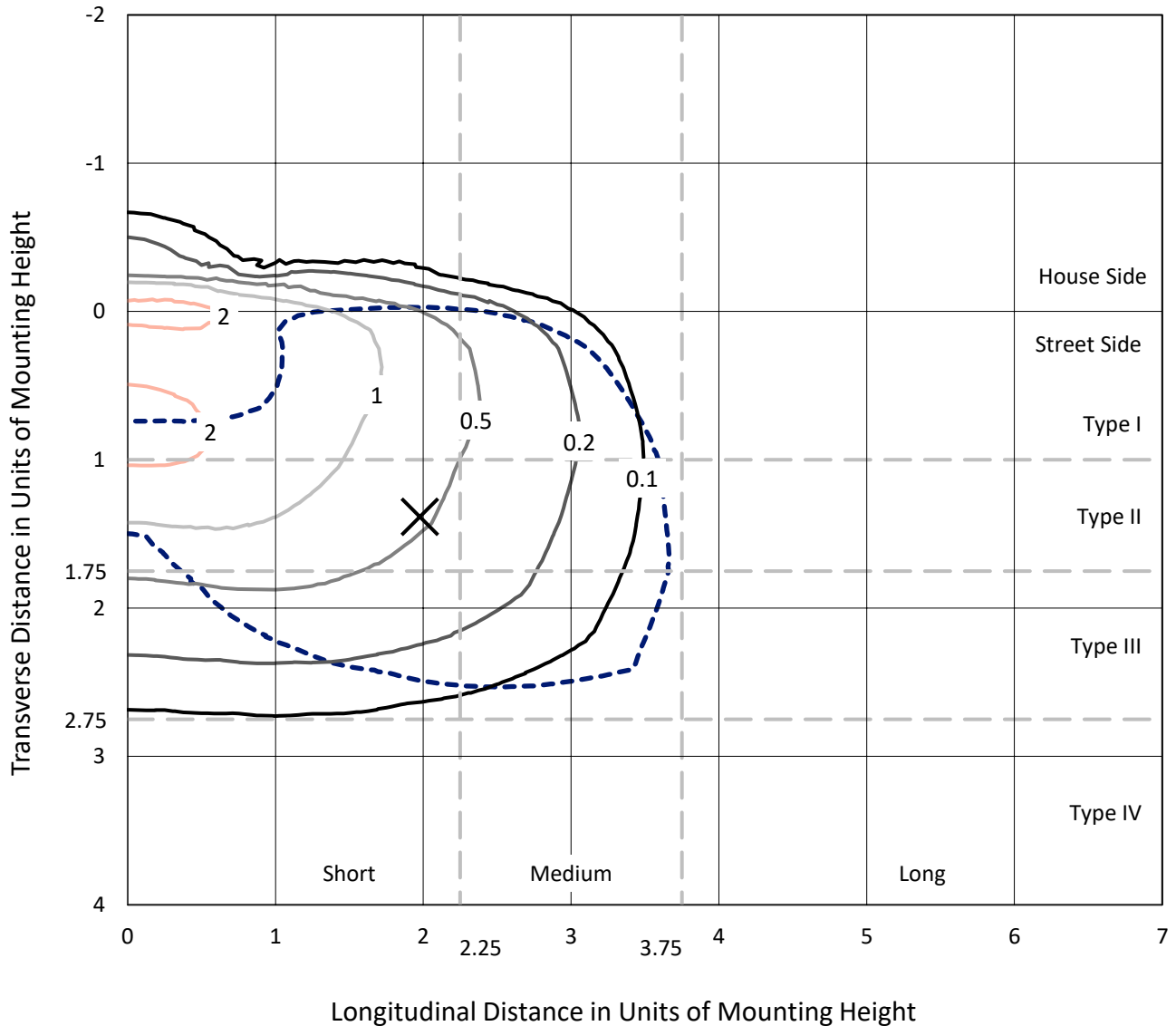
Input Watts (W): 32
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

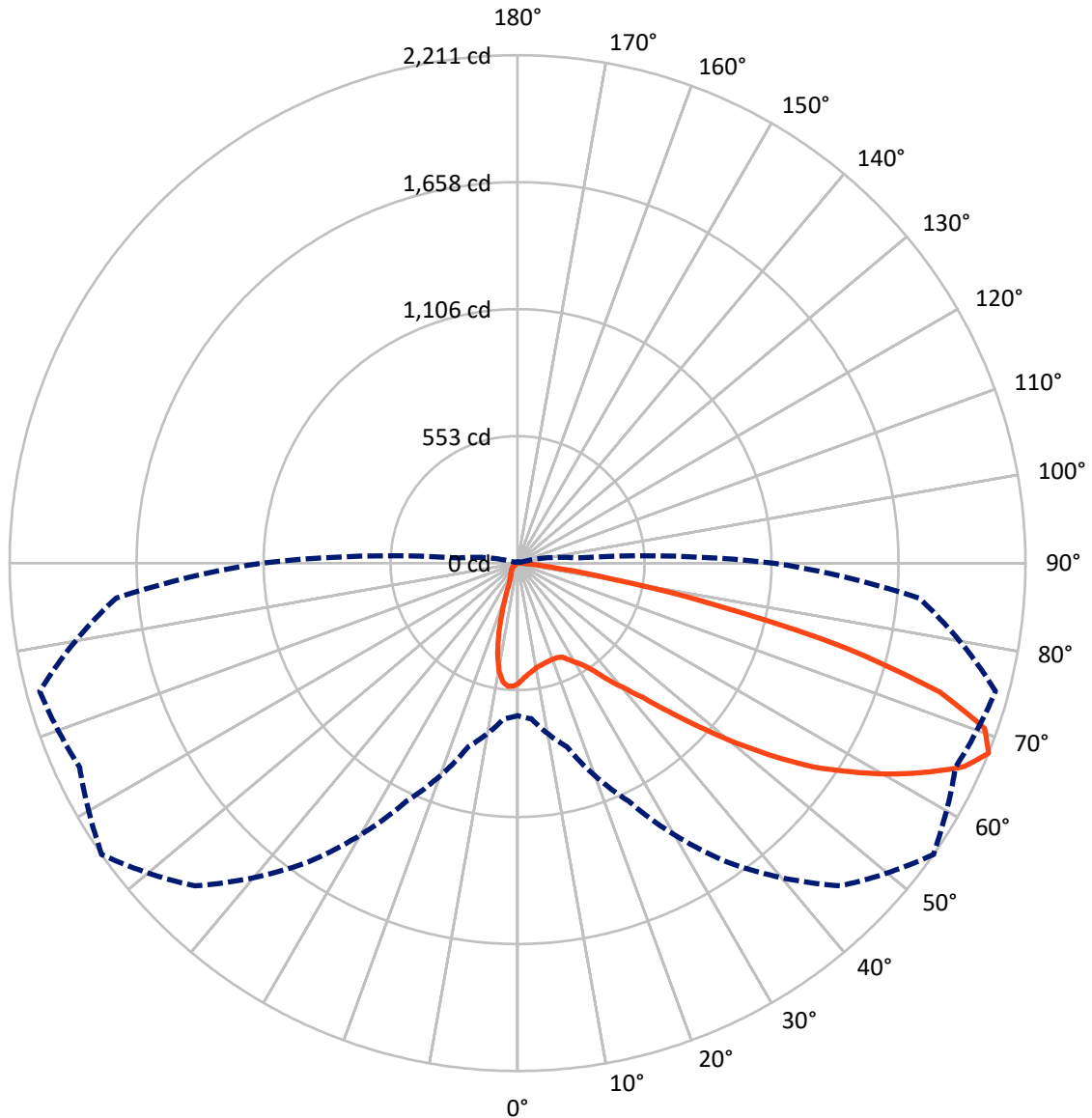
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.5 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	274.6	0.0	274.6
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	2782.6	0.0	2782.6
	% Fixture	91.0	0.0	91.0
Total	Lumens	3057.2	0.0	3057.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.0	1.5
10°-20°	104.7	3.4
20°-30°	168.0	5.5
30°-40°	291.3	9.5
40°-50°	485.7	15.9
50°-60°	710.3	23.2
60°-70°	828.2	27.1
70°-80°	401.9	13.1
80°-90°	21.0	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°	3057.2	100.0
0°-180°	3057.2	100.0



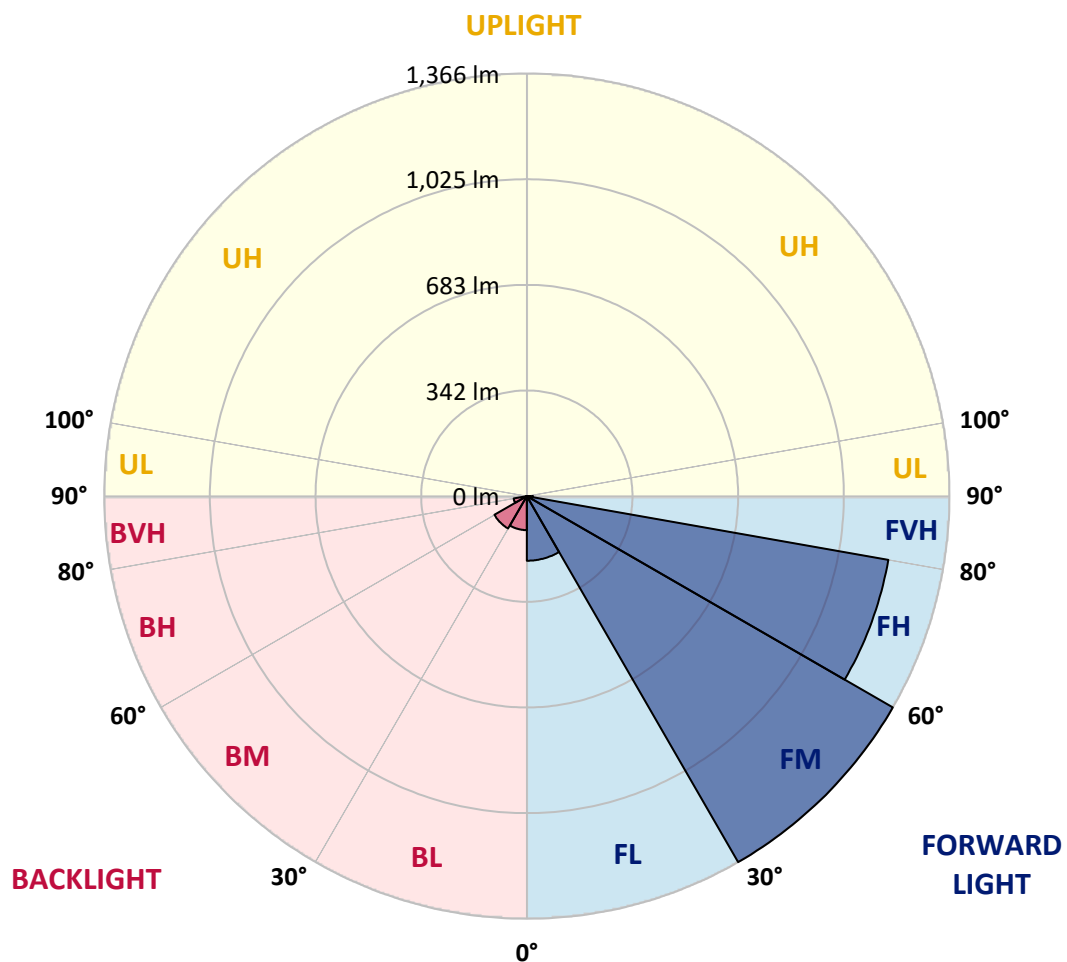
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	208.8	6.8			
FM (30°-60°)	1366.5	44.7			
FH (60°-80°)	1186.9	38.8			G1/1800
FVH (80°-90°)	20.4	0.7			G1/100
BL (0°-30°)	109.8	3.6	B0/110		
BM (30°-60°)	120.9	4.0	B0/220		
BH (60°-80°)	43.3	1.4	B0/110		G0/110
BVH (80°-90°)	0.6	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°	523.9	523.9	523.9	523.9	523.9	523.9	523.9	523.9	523.9	523.9	523.9
2.5°	483.6	486.7	490.7	492.1	496.9	503.6	501.7	500.3	507.9	518.3	521.7
5°	453.5	453.8	460.0	464.5	472.7	479.1	486.2	485.6	499.4	517.2	528.4
7.5°	423.9	424.5	431.0	438.0	449.8	462.5	473.2	472.7	494.9	518.6	540.0
10°	385.1	387.9	395.8	408.2	426.7	446.7	461.7	463.1	489.8	523.9	555.8
12.5°	353.8	355.2	363.9	380.0	402.0	428.2	456.0	455.2	491.0	533.8	576.3
15°	340.5	339.7	345.1	356.9	382.0	414.9	450.4	452.4	494.9	545.0	597.7
17.5°	343.6	342.8	345.6	349.8	367.6	403.9	447.3	450.7	501.1	556.9	617.7
20°	378.0	372.1	367.0	362.5	365.1	394.9	445.3	449.0	504.8	565.9	638.8
22.5°	444.2	436.9	423.4	398.3	381.7	395.5	445.9	450.7	512.9	580.5	664.5
25°	552.1	545.0	516.0	464.8	420.8	415.8	453.5	458.6	531.8	602.8	691.8
27.5°	694.9	679.1	643.9	570.4	485.6	448.2	476.3	482.0	558.6	620.0	710.4
30°	813.5	809.8	776.0	685.9	574.9	495.8	502.0	505.0	570.7	630.4	729.0
32.5°	936.6	929.0	898.0	810.4	678.6	563.6	530.7	532.1	586.5	645.9	756.0
35°	1043.6	1036.6	1010.7	925.6	799.7	654.9	578.3	575.2	619.1	680.0	792.6
37.5°	1142.8	1141.9	1119.1	1032.4	908.4	749.5	648.4	645.9	670.1	717.4	842.2
40°	1239.7	1237.4	1218.0	1138.8	1015.5	843.9	715.2	708.7	713.5	769.8	907.6
42.5°	1299.1	1303.9	1310.7	1260.5	1142.5	954.6	799.7	795.7	794.9	851.8	993.5
45°	1331.2	1339.7	1379.4	1374.9	1277.1	1092.3	920.0	909.8	906.4	964.5	1091.8
47.5°	1362.5	1366.1	1431.2	1458.5	1406.1	1236.0	1065.3	1051.2	1037.4	1101.9	1209.2
50°	1364.5	1370.4	1450.9	1517.4	1514.3	1377.4	1228.4	1216.0	1200.2	1269.2	1323.9
52.5°	1336.8	1348.7	1448.4	1554.6	1581.3	1502.2	1397.7	1387.5	1374.6	1426.1	1420.5
55°	1146.2	1166.1	1398.8	1558.0	1628.4	1609.2	1567.8	1553.7	1541.1	1577.7	1515.1
57.5°	1055.4	1066.7	1248.4	1555.4	1688.4	1708.4	1715.4	1708.9	1691.2	1736.8	1614.0
60°	1001.1	1017.4	1176.6	1527.3	1753.2	1820.5	1864.7	1851.8	1830.1	1892.9	1719.9
62.5°	936.0	947.8	1105.0	1446.1	1791.8	1934.6	2004.7	1992.9	1948.1	2036.8	1805.6
65°	816.0	833.8	991.2	1318.5	1739.9	2018.2	2136.5	2132.6	2054.8	2145.5	1828.9
67.5°	664.2	680.3	827.0	1143.6	1588.4	1987.0	2211.2	2198.8	2103.3	2153.7	1754.9
70°	498.6	507.3	618.0	873.8	1301.4	1819.9	2157.1	2154.6	2029.8	2032.6	1527.5
72.5°	267.6	291.8	411.0	584.8	915.2	1474.0	1922.5	1912.3	1810.9	1664.7	1098.5
75°	93.5	100.6	218.9	328.4	497.2	981.9	1478.2	1454.6	1354.3	1082.8	598.6
77.5°	57.5	63.1	97.2	167.9	193.5	426.2	888.1	857.4	792.6	468.1	204.5
80°	39.7	44.8	65.1	87.9	65.9	138.0	408.7	397.2	305.6	111.5	47.0
82.5°	22.3	26.8	49.3	43.1	26.5	35.8	141.7	131.3	81.4	30.1	15.8
85°	13.0	15.5	34.6	30.4	13.5	12.7	36.9	33.0	21.1	11.3	7.6
87.5°	6.8	8.7	25.4	20.3	8.2	4.5	8.5	8.2	5.4	3.9	5.1
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°	523.9	523.9	523.9	523.9	523.9	523.9	523.9	523.9	523.9	523.9	523.9
2.5°	527.9	526.5	533.8	536.3	535.8	534.6	537.4	533.8	533.5	532.7	531.8
5°	537.4	539.7	545.6	545.6	537.7	524.8	516.9	506.2	497.2	491.8	491.0
7.5°	551.8	556.3	560.3	548.1	521.1	489.0	454.9	428.2	404.8	392.7	391.5
10°	572.1	576.3	573.2	538.6	480.5	414.1	358.6	302.8	274.9	259.7	259.7
12.5°	596.3	599.7	580.8	514.6	413.8	317.5	243.4	184.8	156.9	138.9	137.7
15°	622.5	623.4	579.7	472.9	331.3	213.2	139.7	102.5	90.7	88.2	87.6
17.5°	645.3	641.9	567.9	411.3	238.6	127.0	88.7	80.3	78.0	78.0	78.0
20°	666.7	655.5	544.2	339.4	153.0	86.5	76.3	74.1	74.1	74.4	74.4
22.5°	690.4	668.1	510.4	259.7	98.3	74.1	71.5	70.4	70.1	71.0	70.7
25°	718.3	680.5	462.0	179.4	76.1	69.0	67.9	66.8	66.8	66.8	66.8
27.5°	733.8	678.8	406.7	113.2	66.5	63.9	62.8	61.7	60.8	60.6	60.8
30°	747.3	669.0	334.6	79.2	60.0	57.2	56.3	54.9	53.2	52.7	52.7
32.5°	765.0	660.8	259.1	63.7	54.4	51.3	48.7	46.5	43.7	42.5	42.3
35°	784.8	645.9	189.9	56.1	49.3	45.4	41.4	37.7	34.1	33.0	32.7
37.5°	809.3	632.4	128.7	51.8	45.1	40.3	34.9	29.9	26.5	25.9	25.9
40°	842.5	621.1	89.0	48.2	41.1	35.5	29.0	23.7	21.4	20.8	20.8
42.5°	887.9	611.8	67.3	45.1	37.7	30.7	23.4	19.4	17.7	17.2	17.2
45°	941.4	597.4	56.9	42.3	34.4	25.9	19.4	16.3	15.5	15.5	15.5
47.5°	1002.8	579.4	51.8	39.4	30.7	21.1	16.3	14.9	14.6	14.6	14.9
50°	1064.7	558.0	48.2	36.1	26.5	18.0	14.9	14.1	14.1	14.4	14.4
52.5°	1106.7	524.5	44.5	32.4	22.3	15.8	14.1	13.8	13.5	13.5	13.5
55°	1147.6	495.2	39.4	28.4	18.6	14.6	13.5	13.2	13.2	13.0	13.0
57.5°	1190.1	472.1	33.0	23.7	15.8	13.8	13.0	13.0	12.4	12.1	12.1
60°	1239.4	451.8	25.4	18.6	13.8	13.0	12.1	11.8	11.3	10.7	10.7
62.5°	1253.8	409.0	19.2	14.9	11.8	11.3	11.0	10.4	9.0	7.9	8.2
65°	1216.3	341.7	15.2	11.8	9.6	9.6	8.7	7.3	5.9	5.1	5.1
67.5°	1112.9	255.2	12.4	9.3	7.6	7.3	6.2	5.4	3.7	3.1	3.1
70°	917.1	168.7	10.1	7.3	6.2	5.1	4.2	3.9	2.8	2.3	2.3
72.5°	642.8	91.5	8.5	5.9	4.5	3.4	2.8	2.5	2.0	1.7	1.4
75°	339.4	35.2	6.8	4.5	2.8	2.3	1.7	1.7	1.4	1.1	1.1
77.5°	116.3	14.9	4.8	2.5	2.0	1.4	1.1	0.8	1.1	0.8	0.8
80°	27.6	8.7	3.1	1.7	1.1	0.8	0.8	0.6	0.6	0.6	0.6
82.5°	12.1	5.1	2.0	1.1	1.1	0.8	0.6	0.3	0.3	0.3	0.3
85°	8.2	3.1	1.4	1.1	0.8	0.6	0.3	0.3	0.0	0.0	0.0
87.5°	6.5	2.0	1.1	1.1	0.8	0.6	0.3	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)