

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: P674662

Luminaire Tested: **CCP-SA-1E-722-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674662
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-722-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ T3R distribution lens and House Side Shield
Light Source: (16) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

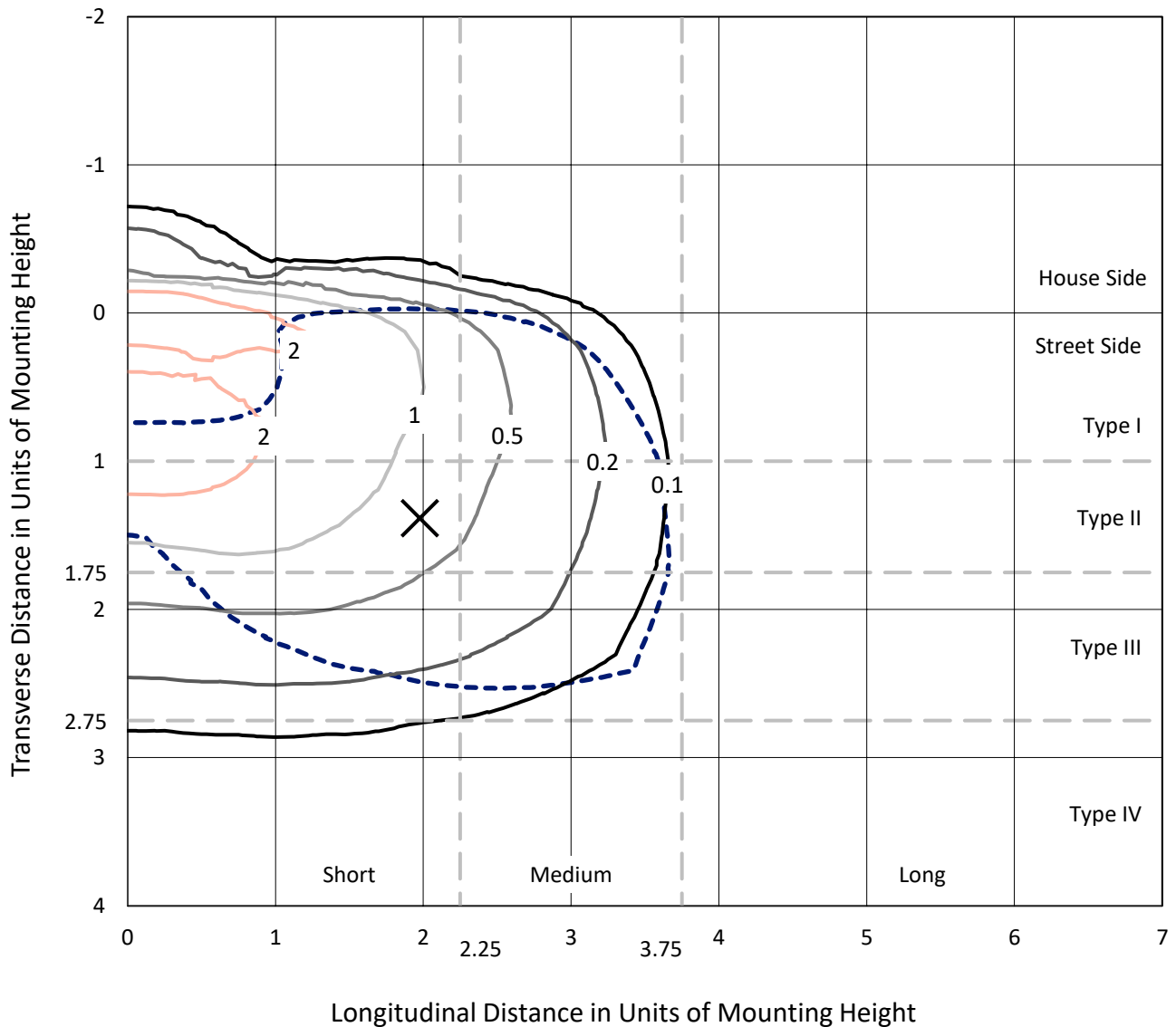
Lumens per Lamp: N/A
Luminaire Lumens: 3994.1 lumens
Efficiency: N/A
Efficacy: 71.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 56.1
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

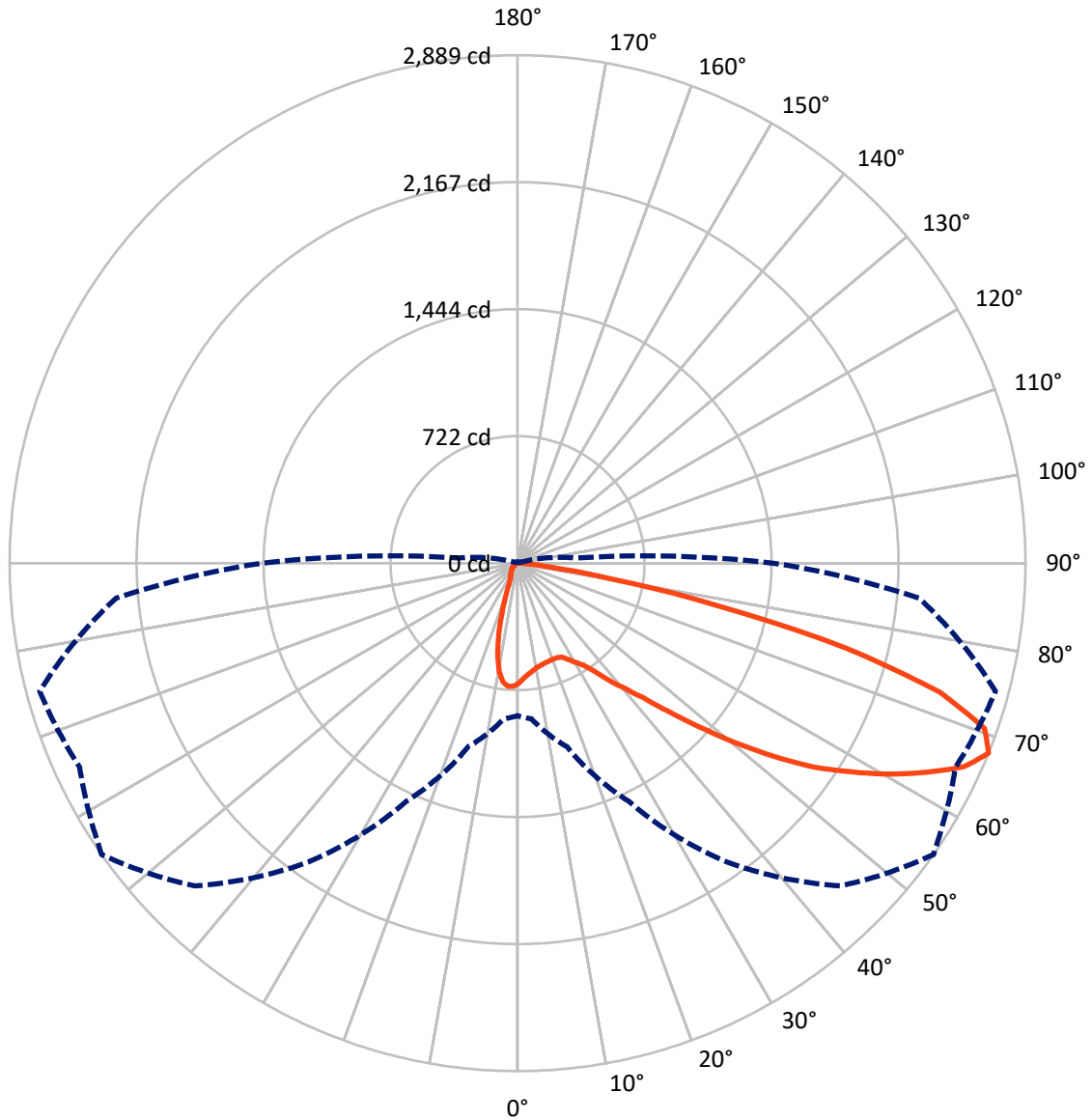
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.3 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	358.8	0.0	358.8
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	3635.3	0.0	3635.3
	% Fixture	91.0	0.0	91.0
Total	Lumens	3994.1	0.0	3994.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.1	1.5
10°-20°	136.8	3.4
20°-30°	219.4	5.5
30°-40°	380.6	9.5
40°-50°	634.6	15.9
50°-60°	928.0	23.2
60°-70°	1082.1	27.1
70°-80°	525.1	13.1
80°-90°	27.5	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°	3994.1	100.0
0°-180°	3994.1	100.0



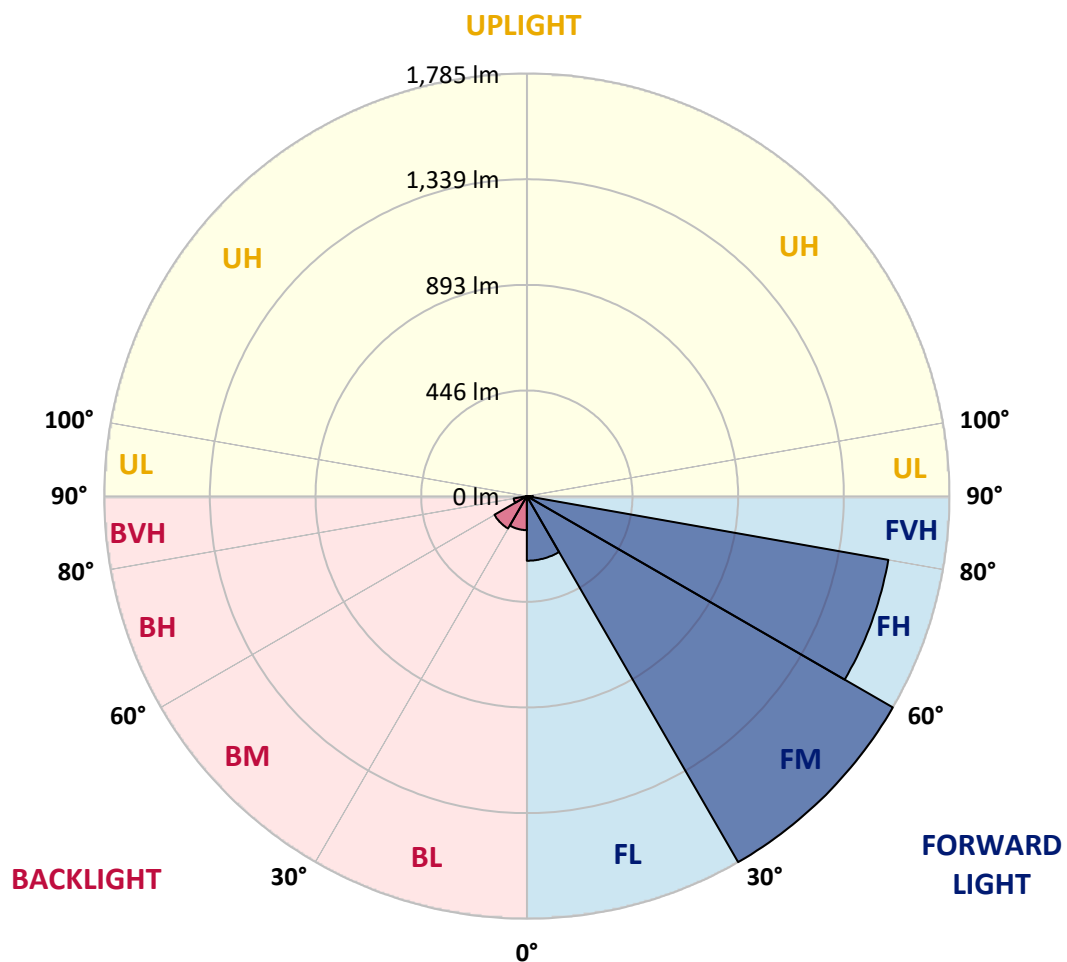
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	272.8	6.8			
FM (30°-60°)	1785.2	44.7			
FH (60°-80°)	1550.6	38.8			G1/1800
FVH (80°-90°)	26.7	0.7			G1/100
BL (0°-30°)	143.4	3.6	B1/500		
BM (30°-60°)	158.0	4.0	B0/220		
BH (60°-80°)	56.6	1.4	B0/110		G0/110
BVH (80°-90°)	0.8	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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	684.5	684.5	684.5	684.5	684.5	684.5	684.5	684.5	684.5	684.5	684.5
2.5°	631.9	635.9	641.1	642.9	649.2	658.0	655.4	653.6	663.5	677.1	681.5
5°	592.5	592.8	600.9	606.8	617.5	626.0	635.2	634.4	652.5	675.6	690.4
7.5°	553.8	554.6	563.0	572.2	587.7	604.3	618.2	617.5	646.6	677.5	705.5
10°	503.1	506.7	517.0	533.2	557.5	583.6	603.2	605.0	640.0	684.5	726.1
12.5°	462.2	464.0	475.5	496.4	525.1	559.4	595.8	594.7	641.4	697.4	752.9
15°	444.9	443.8	450.8	466.3	499.0	542.1	588.4	591.0	646.6	712.1	780.9
17.5°	449.0	447.9	451.5	457.1	480.2	527.7	584.4	588.8	654.7	727.5	807.0
20°	493.9	486.1	479.5	473.6	476.9	515.9	581.8	586.6	659.5	739.3	834.6
22.5°	580.3	570.8	553.1	520.4	498.6	516.7	582.5	588.8	670.1	758.4	868.1
25°	721.3	712.1	674.2	607.2	549.8	543.2	592.5	599.1	694.8	787.5	903.8
27.5°	907.9	887.2	841.2	745.2	634.4	585.5	622.3	629.6	729.7	810.0	928.1
30°	1062.8	1058.0	1013.8	896.1	751.1	647.7	655.8	659.8	745.6	823.6	952.4
32.5°	1223.6	1213.7	1173.2	1058.7	886.5	736.4	693.3	695.2	766.2	843.8	987.7
35°	1363.4	1354.2	1320.4	1209.2	1044.8	855.6	755.5	751.5	808.9	888.4	1035.6
37.5°	1493.0	1491.9	1462.1	1348.7	1186.8	979.2	847.1	843.8	875.5	937.3	1100.3
40°	1619.6	1616.6	1591.2	1487.8	1326.6	1102.5	934.4	925.9	932.1	1005.7	1185.7
42.5°	1697.2	1703.5	1712.3	1646.8	1492.6	1247.2	1044.8	1039.6	1038.5	1112.8	1297.9
45°	1739.2	1750.2	1802.1	1796.2	1668.5	1427.1	1201.9	1188.6	1184.2	1260.0	1426.4
47.5°	1780.0	1784.8	1869.8	1905.5	1837.1	1614.8	1391.8	1373.4	1355.3	1439.6	1579.8
50°	1782.6	1790.3	1895.6	1982.4	1978.4	1799.5	1604.8	1588.7	1568.0	1658.2	1729.6
52.5°	1746.5	1762.0	1892.3	2031.0	2066.0	1962.5	1826.0	1812.8	1795.8	1863.2	1855.8
55°	1497.4	1523.5	1827.5	2035.4	2127.4	2102.4	2048.3	2029.9	2013.3	2061.2	1979.5
57.5°	1378.9	1393.6	1631.0	2032.1	2205.8	2231.9	2241.1	2232.7	2209.5	2269.1	2108.6
60°	1307.9	1329.2	1537.1	1995.3	2290.4	2378.4	2436.2	2419.2	2390.9	2473.0	2247.0
62.5°	1222.9	1238.3	1443.7	1889.3	2340.8	2527.4	2619.1	2603.6	2545.1	2661.0	2358.9
65°	1066.1	1089.3	1295.0	1722.6	2273.1	2636.7	2791.3	2786.1	2684.6	2803.1	2389.4
67.5°	867.7	888.7	1080.4	1494.1	2075.2	2595.9	2888.8	2872.6	2747.9	2813.7	2292.6
70°	651.4	662.8	807.4	1141.5	1700.2	2377.6	2818.1	2814.8	2651.8	2655.5	1995.7
72.5°	349.6	381.2	536.9	764.0	1195.6	1925.7	2511.6	2498.4	2365.9	2174.9	1435.2
75°	122.2	131.4	285.9	429.1	649.5	1282.8	1931.3	1900.4	1769.3	1414.6	782.0
77.5°	75.1	82.4	127.0	219.3	252.8	556.8	1160.3	1120.2	1035.6	611.6	267.2
80°	51.9	58.5	85.0	114.8	86.1	180.3	534.0	518.9	399.3	145.7	61.5
82.5°	29.1	35.0	64.4	56.3	34.6	46.7	185.1	171.5	106.4	39.4	20.6
85°	16.9	20.2	45.3	39.7	17.7	16.6	48.2	43.1	27.6	14.7	9.9
87.5°	8.8	11.4	33.1	26.5	10.7	5.9	11.0	10.7	7.0	5.2	6.6
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°	684.5	684.5	684.5	684.5	684.5	684.5	684.5	684.5	684.5	684.5	684.5
2.5°	689.6	687.8	697.4	700.7	699.9	698.5	702.1	697.4	697.0	695.9	694.8
5°	702.1	705.1	712.8	712.8	702.5	685.6	675.3	661.3	649.5	642.5	641.4
7.5°	720.9	726.8	732.0	716.1	680.8	638.8	594.3	559.4	528.8	513.0	511.5
10°	747.4	752.9	748.9	703.6	627.8	541.0	468.5	395.6	359.2	339.3	339.3
12.5°	779.1	783.5	758.8	672.3	540.6	414.7	318.0	241.4	205.0	181.4	180.0
15°	813.3	814.4	757.3	617.9	432.8	278.6	182.5	134.0	118.5	115.2	114.4
17.5°	843.1	838.7	741.9	537.3	311.7	166.0	115.9	104.9	101.9	101.9	101.9
20°	871.1	856.3	711.0	443.4	199.8	113.0	99.7	96.8	96.8	97.2	97.2
22.5°	902.0	872.9	666.8	339.3	128.4	96.8	93.5	92.0	91.6	92.7	92.4
25°	938.4	889.1	603.5	234.4	99.4	90.2	88.7	87.2	87.2	87.2	87.2
27.5°	958.6	886.9	531.4	147.9	86.8	83.5	82.1	80.6	79.5	79.1	79.5
30°	976.3	874.0	437.2	103.4	78.4	74.7	73.6	71.8	69.6	68.8	68.8
32.5°	999.5	863.3	338.6	83.2	71.0	67.0	63.7	60.7	57.0	55.6	55.2
35°	1025.2	843.8	248.0	73.2	64.4	59.2	54.1	49.3	44.5	43.1	42.7
37.5°	1057.3	826.2	168.2	67.7	58.9	52.6	45.6	39.0	34.6	33.9	33.9
40°	1100.7	811.4	116.3	62.9	53.7	46.4	37.9	30.9	28.0	27.2	27.2
42.5°	1159.9	799.3	88.0	58.9	49.3	40.1	30.5	25.4	23.2	22.4	22.4
45°	1229.9	780.5	74.3	55.2	44.9	33.9	25.4	21.3	20.2	20.2	20.2
47.5°	1310.1	757.0	67.7	51.5	40.1	27.6	21.3	19.5	19.1	19.1	19.5
50°	1391.0	729.0	62.9	47.1	34.6	23.6	19.5	18.4	18.4	18.8	18.8
52.5°	1445.9	685.2	58.1	42.3	29.1	20.6	18.4	18.0	17.7	17.7	17.7
55°	1499.2	646.9	51.5	37.2	24.3	19.1	17.7	17.3	17.3	16.9	16.9
57.5°	1554.8	616.8	43.1	30.9	20.6	18.0	16.9	16.9	16.2	15.8	15.8
60°	1619.2	590.3	33.1	24.3	18.0	16.9	15.8	15.5	14.7	14.0	14.0
62.5°	1638.0	534.3	25.0	19.5	15.5	14.7	14.4	13.6	11.8	10.3	10.7
65°	1589.0	446.4	19.9	15.5	12.5	12.5	11.4	9.6	7.7	6.6	6.6
67.5°	1454.0	333.4	16.2	12.1	9.9	9.6	8.1	7.0	4.8	4.0	4.0
70°	1198.2	220.4	13.2	9.6	8.1	6.6	5.5	5.2	3.7	2.9	2.9
72.5°	839.8	119.6	11.0	7.7	5.9	4.4	3.7	3.3	2.6	2.2	1.8
75°	443.4	46.0	8.8	5.9	3.7	2.9	2.2	2.2	1.8	1.5	1.5
77.5°	152.0	19.5	6.3	3.3	2.6	1.8	1.5	1.1	1.5	1.1	1.1
80°	36.1	11.4	4.0	2.2	1.5	1.1	1.1	0.7	0.7	0.7	0.7
82.5°	15.8	6.6	2.6	1.5	1.5	1.1	0.7	0.4	0.4	0.4	0.4
85°	10.7	4.0	1.8	1.5	1.1	0.7	0.4	0.4	0.0	0.0	0.0
87.5°	8.5	2.6	1.5	1.5	1.1	0.7	0.4	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)