

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: P674748

Luminaire Tested: **CCP-SA-1C-830-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674748
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-830-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ T3R distribution lens and House Side Shield
Light Source: (16) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

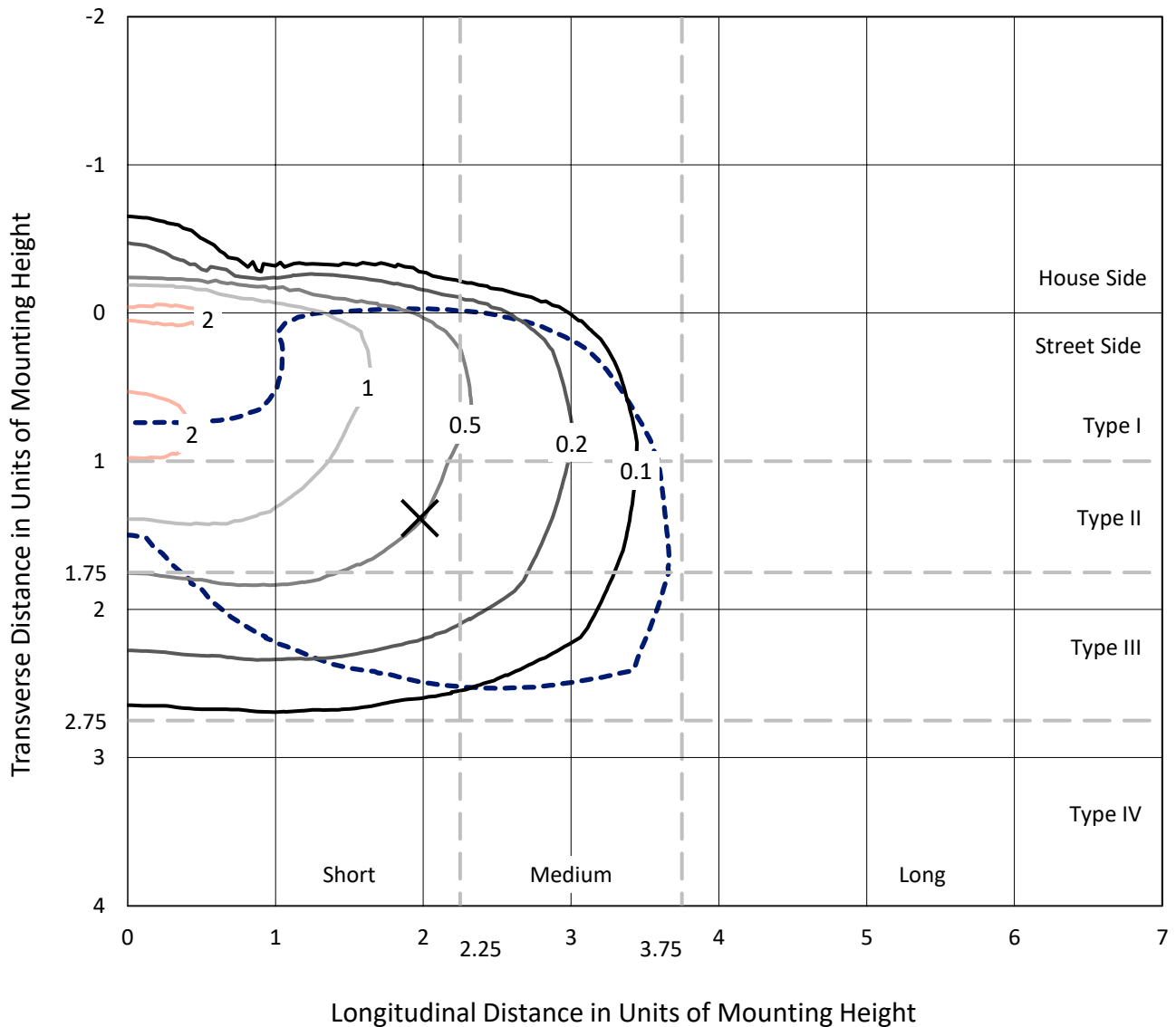
Lumens per Lamp: N/A
Luminaire Lumens: 2849.3 lumens
Efficiency: N/A
Efficacy: 89.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

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

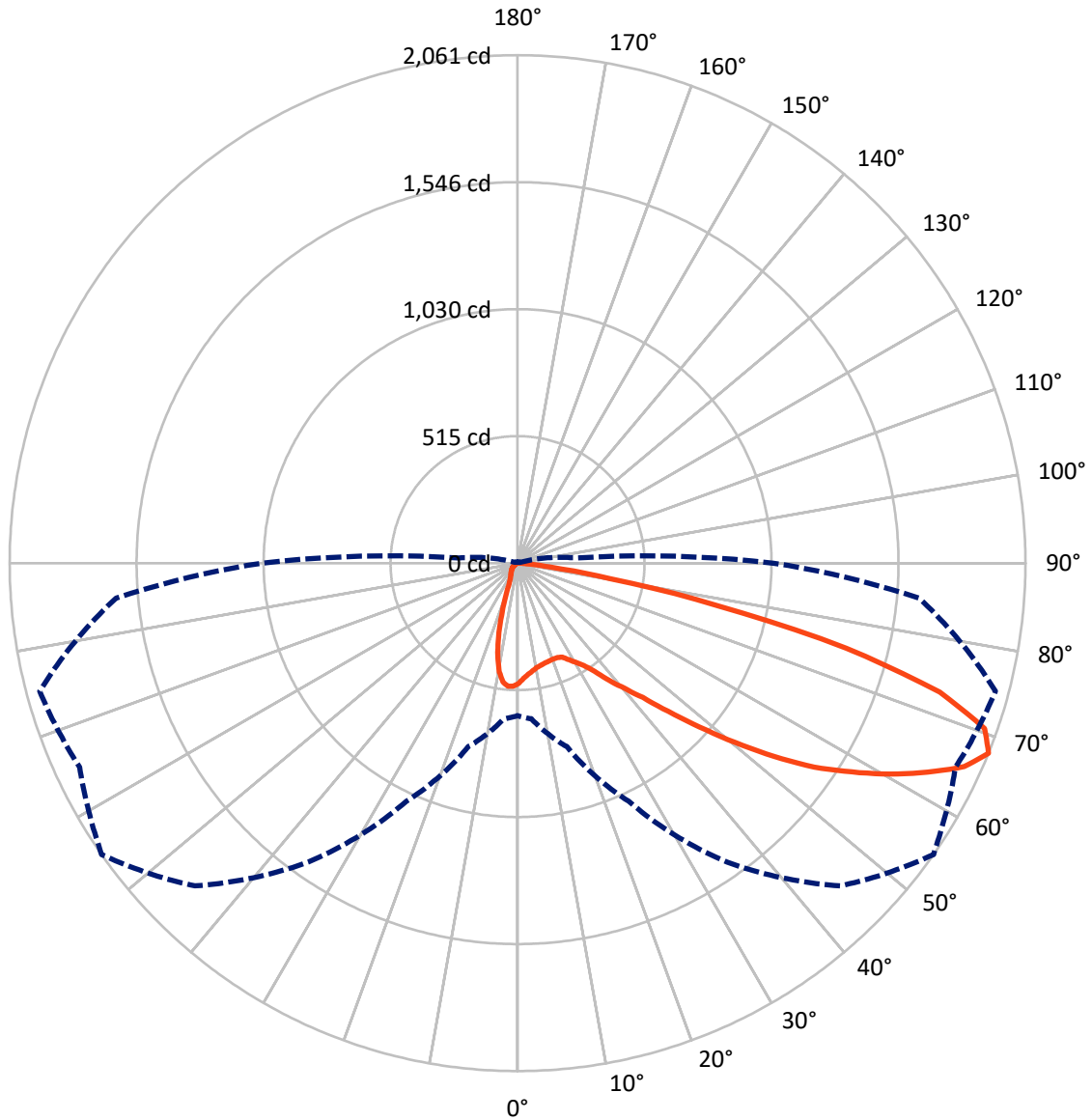
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.4 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	256.0	0.0	256.0
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	2593.3	0.0	2593.3
	% Fixture	91.0	0.0	91.0
Total	Lumens	2849.3	0.0	2849.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.9	1.5
10°-20°	97.6	3.4
20°-30°	156.5	5.5
30°-40°	271.5	9.5
40°-50°	452.7	15.9
50°-60°	662.0	23.2
60°-70°	771.9	27.1
70°-80°	374.6	13.1
80°-90°	19.6	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°	2849.3	100.0
0°-180°	2849.3	100.0



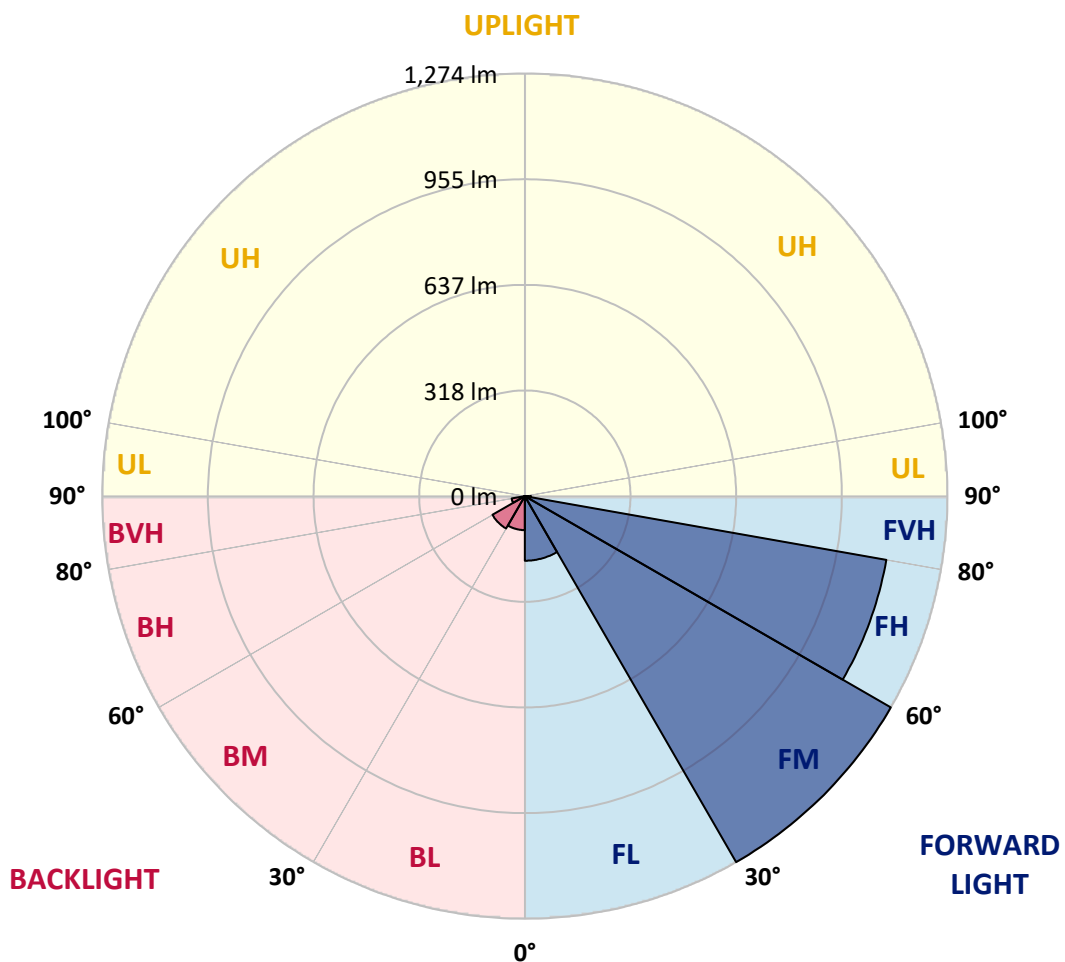
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	194.6	6.8			
FM (30°-60°)	1273.5	44.7			
FH (60°-80°)	1106.1	38.8			G1/1800
FVH (80°-90°)	19.0	0.7			G1/100
BL (0°-30°)	102.3	3.6	B0/110		
BM (30°-60°)	112.7	4.0	B0/220		
BH (60°-80°)	40.4	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°	488.3	488.3	488.3	488.3	488.3	488.3	488.3	488.3	488.3	488.3	488.3
2.5°	450.7	453.6	457.3	458.6	463.1	469.4	467.5	466.2	473.3	483.0	486.2
5°	422.7	422.9	428.7	432.9	440.5	446.5	453.1	452.6	465.4	482.0	492.5
7.5°	395.1	395.6	401.7	408.2	419.2	431.1	441.0	440.5	461.2	483.3	503.2
10°	358.9	361.5	368.8	380.4	397.7	416.4	430.3	431.6	456.5	488.3	517.9
12.5°	329.7	331.0	339.2	354.1	374.6	399.0	425.0	424.2	457.6	497.5	537.1
15°	317.4	316.6	321.6	332.6	356.0	386.7	419.8	421.6	461.2	508.0	557.1
17.5°	320.3	319.5	322.1	326.0	342.6	376.4	416.9	420.0	467.0	519.0	575.7
20°	352.3	346.8	342.1	337.9	340.2	368.0	415.0	418.5	470.4	527.4	595.4
22.5°	414.0	407.2	394.6	371.2	355.7	368.6	415.6	420.0	478.0	541.0	619.3
25°	514.5	508.0	480.9	433.2	392.2	387.5	422.7	427.4	495.6	561.8	644.7
27.5°	647.6	632.9	600.1	531.6	452.6	417.7	443.9	449.2	520.6	577.8	662.1
30°	758.1	754.7	723.2	639.2	535.8	462.0	467.8	470.7	531.9	587.5	679.4
32.5°	872.9	865.8	836.9	755.3	632.4	525.3	494.6	495.9	546.6	602.0	704.6
35°	972.6	966.1	941.9	862.6	745.3	610.4	538.9	536.1	577.0	633.7	738.7
37.5°	1065.0	1064.2	1043.0	962.1	846.6	698.6	604.3	602.0	624.5	668.6	784.9
40°	1155.3	1153.2	1135.1	1061.4	946.4	786.5	666.5	660.5	665.0	717.5	845.8
42.5°	1210.7	1215.2	1221.5	1174.8	1064.8	889.7	745.3	741.6	740.8	793.9	925.9
45°	1240.7	1248.5	1285.5	1281.3	1190.3	1018.0	857.4	847.9	844.8	898.9	1017.5
47.5°	1269.8	1273.2	1333.8	1359.3	1310.5	1151.9	992.8	979.7	966.8	1027.0	1127.0
50°	1271.6	1277.1	1352.2	1414.2	1411.3	1283.7	1144.8	1133.3	1118.6	1182.9	1233.8
52.5°	1245.9	1256.9	1349.9	1448.8	1473.8	1400.0	1302.6	1293.2	1281.1	1329.1	1323.9
55°	1068.2	1086.8	1303.7	1452.0	1517.6	1499.8	1461.2	1448.0	1436.2	1470.4	1412.1
57.5°	983.7	994.2	1163.5	1449.6	1573.5	1592.2	1598.7	1592.7	1576.2	1618.7	1504.2
60°	933.0	948.2	1096.5	1423.4	1633.9	1696.6	1737.9	1725.8	1705.6	1764.1	1602.9
62.5°	872.3	883.4	1029.9	1347.8	1669.9	1803.0	1868.3	1857.3	1815.6	1898.3	1682.7
65°	760.5	777.0	923.8	1228.8	1621.6	1880.9	1991.2	1987.5	1915.1	1999.6	1704.5
67.5°	619.0	634.0	770.7	1065.8	1480.3	1851.8	2060.8	2049.2	1960.2	2007.2	1635.5
70°	464.7	472.8	576.0	814.3	1212.8	1696.1	2010.4	2008.0	1891.7	1894.3	1423.6
72.5°	249.4	272.0	383.0	545.0	852.9	1373.8	1791.7	1782.2	1687.7	1551.5	1023.8
75°	87.2	93.7	204.0	306.1	463.3	915.1	1377.7	1355.6	1262.2	1009.1	557.8
77.5°	53.6	58.8	90.6	156.5	180.3	397.2	827.7	799.1	738.7	436.3	190.6
80°	37.0	41.7	60.6	81.9	61.4	128.6	380.9	370.1	284.8	104.0	43.8
82.5°	20.7	24.9	45.9	40.2	24.7	33.3	132.0	122.3	75.9	28.1	14.7
85°	12.1	14.4	32.3	28.4	12.6	11.8	34.4	30.7	19.7	10.5	7.1
87.5°	6.3	8.1	23.6	18.9	7.6	4.2	7.9	7.6	5.0	3.7	4.7
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°	488.3	488.3	488.3	488.3	488.3	488.3	488.3	488.3	488.3	488.3	488.3
2.5°	492.0	490.6	497.5	499.8	499.3	498.3	500.9	497.5	497.2	496.4	495.6
5°	500.9	503.0	508.5	508.5	501.1	489.1	481.7	471.7	463.3	458.4	457.6
7.5°	514.3	518.5	522.1	510.9	485.7	455.7	424.0	399.0	377.2	365.9	364.9
10°	533.2	537.1	534.2	501.9	447.9	385.9	334.2	282.2	256.2	242.0	242.0
12.5°	555.7	558.9	541.3	479.6	385.6	295.9	226.8	172.2	146.2	129.4	128.4
15°	580.2	580.9	540.3	440.8	308.7	198.7	130.2	95.6	84.5	82.2	81.6
17.5°	601.4	598.3	529.2	383.3	222.4	118.4	82.7	74.8	72.7	72.7	72.7
20°	621.4	610.9	507.2	316.3	142.5	80.6	71.1	69.0	69.0	69.3	69.3
22.5°	643.4	622.7	475.7	242.0	91.6	69.0	66.7	65.6	65.4	66.2	65.9
25°	669.4	634.2	430.5	167.2	70.9	64.3	63.3	62.2	62.2	62.2	62.2
27.5°	683.9	632.7	379.1	105.5	62.0	59.6	58.5	57.5	56.7	56.4	56.7
30°	696.5	623.5	311.9	73.8	55.9	53.3	52.5	51.2	49.6	49.1	49.1
32.5°	713.0	615.9	241.5	59.3	50.7	47.8	45.4	43.3	40.7	39.6	39.4
35°	731.4	602.0	176.9	52.2	45.9	42.3	38.6	35.2	31.8	30.7	30.5
37.5°	754.2	589.4	120.0	48.3	42.0	37.5	32.6	27.8	24.7	24.2	24.2
40°	785.2	578.8	83.0	44.9	38.3	33.1	27.0	22.1	20.0	19.4	19.4
42.5°	827.5	570.2	62.7	42.0	35.2	28.6	21.8	18.1	16.5	16.0	16.0
45°	877.3	556.8	53.0	39.4	32.0	24.2	18.1	15.2	14.4	14.4	14.4
47.5°	934.6	540.0	48.3	36.8	28.6	19.7	15.2	13.9	13.7	13.7	13.9
50°	992.3	520.0	44.9	33.6	24.7	16.8	13.9	13.1	13.1	13.4	13.4
52.5°	1031.4	488.8	41.5	30.2	20.7	14.7	13.1	12.9	12.6	12.6	12.6
55°	1069.5	461.5	36.8	26.5	17.3	13.7	12.6	12.3	12.3	12.1	12.1
57.5°	1109.1	440.0	30.7	22.1	14.7	12.9	12.1	12.1	11.6	11.3	11.3
60°	1155.1	421.1	23.6	17.3	12.9	12.1	11.3	11.0	10.5	10.0	10.0
62.5°	1168.5	381.2	17.9	13.9	11.0	10.5	10.2	9.7	8.4	7.4	7.6
65°	1133.5	318.4	14.2	11.0	8.9	8.9	8.1	6.8	5.5	4.7	4.7
67.5°	1037.2	237.8	11.6	8.7	7.1	6.8	5.8	5.0	3.4	2.9	2.9
70°	854.8	157.2	9.5	6.8	5.8	4.7	3.9	3.7	2.6	2.1	2.1
72.5°	599.1	85.3	7.9	5.5	4.2	3.2	2.6	2.4	1.8	1.6	1.3
75°	316.3	32.8	6.3	4.2	2.6	2.1	1.6	1.6	1.3	1.1	1.1
77.5°	108.4	13.9	4.5	2.4	1.8	1.3	1.1	0.8	1.1	0.8	0.8
80°	25.7	8.1	2.9	1.6	1.1	0.8	0.8	0.5	0.5	0.5	0.5
82.5°	11.3	4.7	1.8	1.1	1.1	0.8	0.5	0.3	0.3	0.3	0.3
85°	7.6	2.9	1.3	1.1	0.8	0.5	0.3	0.3	0.0	0.0	0.0
87.5°	6.0	1.8	1.1	1.1	0.8	0.5	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)