

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: P674415

Luminaire Tested: **CCP-SA-1B-740-U-AFL-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674415
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-740-U-AFL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @450mA w/ AFL distribution lens and House Side Shield
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

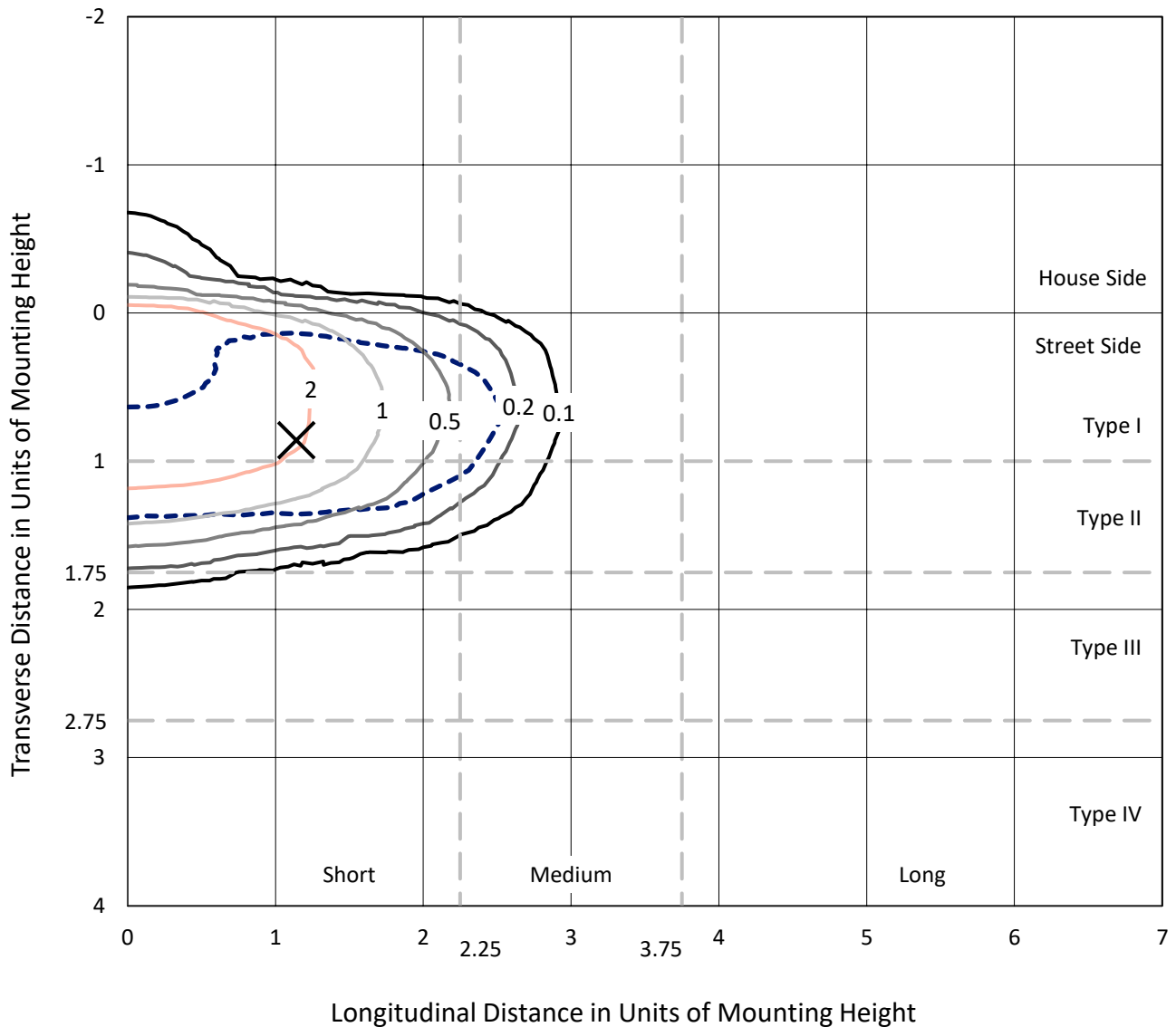
Lumens per Lamp: N/A
Luminaire Lumens: 2863.9 lumens
Efficiency: N/A
Efficacy: 119.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

Input Watts (W): 24
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

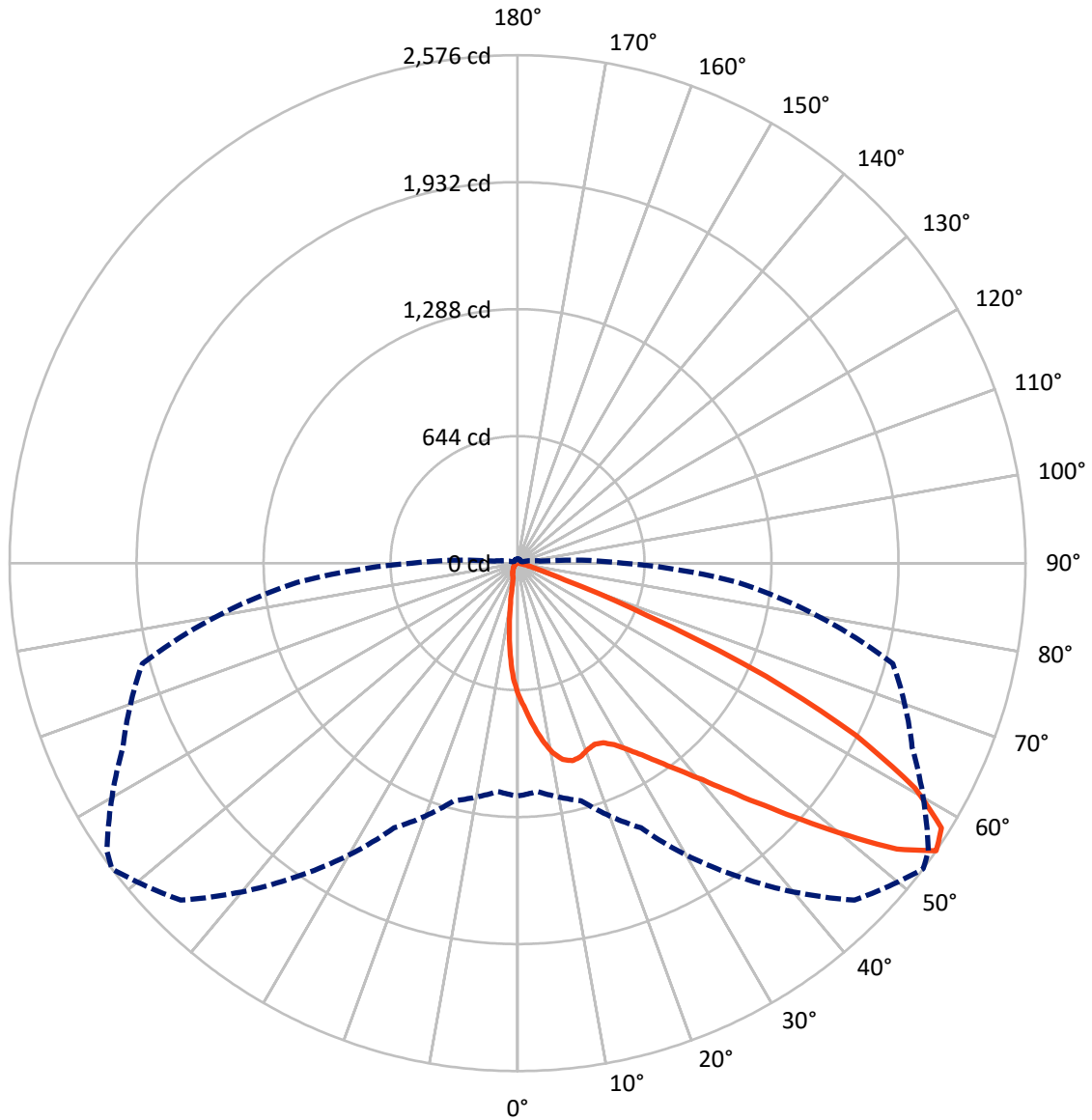
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	154.8	0.0	154.8
	% Fixture	5.4	0.0	5.4
Street Side	Lumens	2709.1	0.0	2709.1
	% Fixture	94.6	0.0	94.6
Total	Lumens	2863.9	0.0	2863.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.9	2.1
10°-20°	156.6	5.5
20°-30°	262.1	9.2
30°-40°	428.7	15.0
40°-50°	689.2	24.1
50°-60°	778.1	27.2
60°-70°	415.0	14.5
70°-80°	68.2	2.4
80°-90°	6.1	0.2
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°	2863.9	100.0
0°-180°	2863.9	100.0

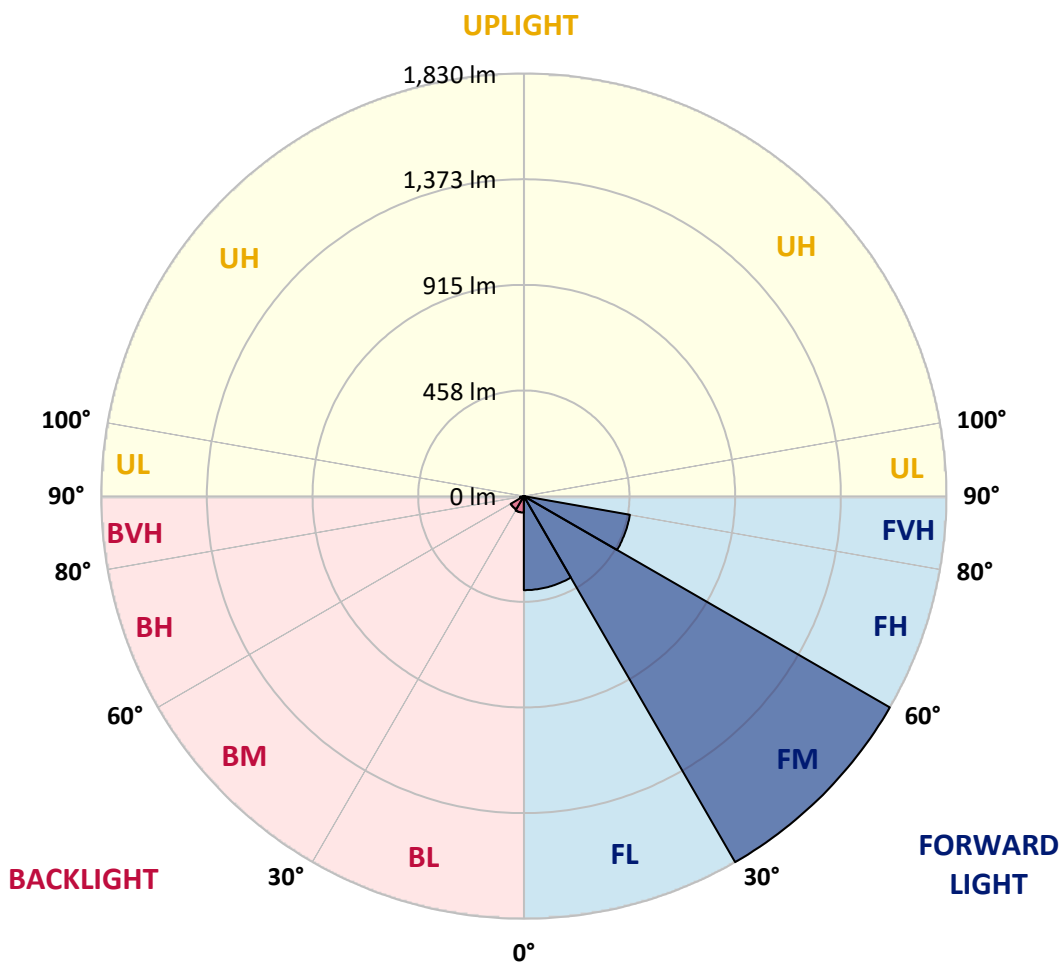


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	407.1	14.2			
FM (30°-60°)	1830.1	63.9			
FH (60°-80°)	466.3	16.3			G0/660
FVH (80°-90°)	5.6	0.2			G0/10
BL (0°-30°)	71.4	2.5	B0/110		
BM (30°-60°)	66.0	2.3	B0/220		
BH (60°-80°)	16.9	0.6	B0/110		G0/110
BVH (80°-90°)	0.5	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-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	670.2	670.2	670.2	670.2	670.2	670.2	670.2	670.2	670.2	670.2	670.2
2.5°	803.7	799.0	801.7	794.4	781.1	764.6	739.7	741.0	721.4	704.4	680.8
5°	936.5	931.4	929.9	911.4	892.8	862.9	826.1	820.0	784.1	740.7	691.3
7.5°	1006.5	1002.2	1005.5	998.7	980.4	953.3	906.6	902.1	846.6	780.9	708.1
10°	974.3	972.8	986.6	1002.7	1017.5	1014.2	976.9	969.8	907.6	825.0	725.4
12.5°	888.0	892.8	910.4	940.0	985.6	1028.5	1022.5	1023.8	969.8	873.0	744.5
15°	837.3	843.1	853.2	868.5	924.7	1000.9	1039.8	1052.4	1029.6	926.4	767.1
17.5°	833.1	837.8	839.4	845.1	878.0	956.5	1032.8	1056.7	1082.7	976.9	792.4
20°	865.9	868.0	866.7	862.4	874.2	932.4	1010.7	1044.9	1126.7	1030.6	814.8
22.5°	927.9	924.9	921.2	905.3	904.6	939.2	998.7	1034.3	1152.8	1075.0	829.6
25°	1004.7	998.4	993.2	970.8	960.3	974.6	1009.5	1038.1	1176.3	1118.1	840.1
27.5°	1088.5	1090.5	1077.5	1047.4	1030.8	1027.8	1042.9	1064.2	1199.2	1156.8	845.9
30°	1178.1	1179.1	1162.0	1130.9	1115.9	1096.6	1095.5	1108.3	1223.8	1201.2	851.4
32.5°	1280.2	1283.0	1255.1	1222.8	1196.4	1171.3	1159.0	1169.8	1267.9	1259.2	862.7
35°	1427.8	1415.7	1378.1	1329.2	1291.8	1258.9	1240.1	1247.1	1326.7	1328.7	885.3
37.5°	1579.8	1578.6	1536.9	1466.4	1405.2	1364.3	1332.2	1343.7	1409.2	1421.8	921.4
40°	1721.6	1724.9	1688.7	1627.3	1548.5	1478.2	1443.8	1451.6	1518.9	1534.7	965.3
42.5°	1814.2	1812.4	1815.2	1797.6	1718.6	1635.8	1584.1	1588.4	1646.3	1654.6	1020.3
45°	1856.9	1850.1	1873.7	1929.4	1898.0	1810.9	1752.0	1746.7	1778.6	1776.3	1070.2
47.5°	1820.0	1807.4	1861.6	1995.9	2056.6	2030.2	1945.9	1936.4	1909.3	1891.2	1122.1
50°	1636.5	1631.0	1747.0	1964.3	2156.2	2233.0	2171.0	2135.6	2026.0	1976.0	1149.5
52.5°	1462.2	1446.8	1525.1	1802.9	2111.8	2396.1	2408.9	2345.9	2122.8	2000.4	1140.2
55°	1181.1	1162.3	1247.6	1481.2	1935.9	2416.9	2576.0	2543.1	2207.7	1970.3	1121.4
57.5°	717.4	698.8	824.3	1060.9	1548.2	2243.8	2534.9	2568.2	2272.9	1937.2	1109.1
60°	301.6	289.8	339.0	506.4	988.7	1844.1	2316.6	2399.9	2285.2	1891.7	1114.1
62.5°	156.8	151.6	154.3	202.7	399.7	1214.2	1928.1	2073.2	2161.2	1871.7	1119.1
65°	117.7	113.7	104.9	111.4	155.3	524.9	1385.6	1579.8	1892.5	1820.7	1085.3
67.5°	96.6	92.8	86.6	84.6	91.6	182.2	707.4	959.8	1483.0	1603.7	963.8
70°	77.0	75.8	73.8	70.0	68.8	88.3	253.7	391.2	980.6	1130.9	698.6
72.5°	64.2	64.5	62.2	59.0	54.5	57.0	101.1	133.7	474.5	542.3	292.6
75°	53.7	53.7	54.5	49.9	45.4	39.1	56.2	65.2	152.3	125.2	62.5
77.5°	42.2	42.7	45.9	42.2	36.4	24.6	30.6	34.9	45.2	36.1	22.8
80°	33.6	33.1	31.9	37.9	32.6	17.3	14.6	16.1	21.1	17.3	11.3
82.5°	23.6	23.3	22.3	25.6	25.3	12.8	9.5	9.8	12.8	11.0	7.0
85°	5.8	6.8	14.3	12.0	10.5	7.5	5.8	6.3	8.3	7.3	3.8
87.5°	2.5	2.5	6.5	7.8	5.0	3.3	2.5	2.8	4.3	4.3	2.3
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°	670.2	670.2	670.2	670.2	670.2	670.2	670.2	670.2	670.2	670.2	670.2
2.5°	672.5	656.2	635.6	613.8	591.4	564.6	547.5	533.5	522.4	513.9	510.9
5°	675.0	643.6	597.0	539.0	480.0	424.8	382.2	350.5	324.4	310.1	303.9
7.5°	674.7	633.1	548.8	451.7	355.8	276.3	219.8	184.9	161.6	152.1	146.3
10°	674.5	619.3	493.8	354.8	237.9	160.1	117.9	98.4	89.8	86.6	86.1
12.5°	681.8	603.5	432.3	261.2	149.3	99.6	82.1	77.5	75.5	74.5	74.3
15°	685.8	588.9	367.6	184.4	100.6	78.8	73.3	71.3	70.5	70.0	69.8
17.5°	690.0	566.3	306.1	133.5	80.5	71.5	68.3	67.0	66.5	66.5	66.5
20°	690.8	542.0	245.2	98.4	71.5	66.7	63.5	62.2	61.5	61.0	61.0
22.5°	685.3	513.1	192.7	79.8	66.2	62.2	58.7	56.7	55.5	55.2	55.2
25°	671.5	472.2	147.8	70.0	62.0	57.7	53.4	51.2	50.2	50.2	50.2
27.5°	651.7	424.1	114.2	62.2	56.5	52.2	48.4	46.4	46.2	45.9	46.2
30°	629.1	377.6	87.3	55.2	49.9	46.4	43.4	42.4	42.9	42.9	43.2
32.5°	606.5	331.2	68.3	49.7	44.2	41.2	39.6	39.6	40.4	40.4	40.4
35°	587.2	285.8	57.2	45.2	40.1	37.6	36.9	37.6	38.1	38.4	38.4
37.5°	576.4	246.7	50.4	41.2	36.9	34.9	34.6	35.4	36.4	37.1	37.4
40°	572.4	216.5	46.4	38.1	33.9	32.6	32.4	33.4	35.1	36.4	36.6
42.5°	572.6	190.0	42.9	35.1	31.9	30.1	30.1	31.6	33.4	34.6	34.6
45°	574.4	167.1	39.4	32.1	30.1	27.1	27.4	29.4	30.6	31.9	31.9
47.5°	575.9	148.8	35.6	28.9	26.1	24.6	25.1	26.6	28.4	30.4	30.4
50°	567.1	135.8	31.9	25.3	22.8	22.3	23.3	24.6	27.1	29.1	29.4
52.5°	546.0	124.0	28.6	22.6	20.6	20.8	22.1	22.8	24.8	25.1	25.3
55°	536.7	117.9	26.1	20.6	18.8	19.6	20.3	20.6	20.1	18.8	18.8
57.5°	534.7	113.9	23.6	18.6	17.3	18.3	18.1	16.6	15.1	13.6	13.3
60°	536.7	108.4	21.6	16.1	15.8	16.1	15.3	12.5	10.5	9.5	9.0
62.5°	525.2	100.4	19.8	13.8	13.8	13.6	11.5	8.5	6.8	6.0	5.8
65°	487.0	84.6	18.1	11.5	11.3	10.8	7.8	5.8	4.5	3.8	3.5
67.5°	412.0	65.5	16.3	9.5	9.0	7.5	5.0	3.8	2.5	2.3	2.0
70°	281.0	40.7	13.8	7.5	6.8	4.8	3.0	2.3	1.5	1.3	1.0
72.5°	101.9	23.6	11.5	5.8	4.5	3.0	1.8	1.0	0.8	0.8	0.5
75°	24.1	16.6	8.8	4.3	3.0	1.8	1.0	0.8	0.5	0.5	0.3
77.5°	11.0	12.8	5.8	2.5	2.0	1.3	0.8	0.5	0.3	0.3	0.0
80°	6.3	9.0	2.8	1.8	1.5	1.0	0.5	0.3	0.3	0.0	0.0
82.5°	3.3	5.0	2.0	1.5	1.3	0.8	0.5	0.0	0.0	0.0	0.0
85°	2.3	2.5	1.5	1.3	1.0	0.8	0.5	0.0	0.0	0.0	0.0
87.5°	1.8	1.8	1.5	1.3	1.0	0.8	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)