

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: P674492

Luminaire Tested: **CCP-SA-1B-850-U-AFL-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674492
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-850-U-AFL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @450mA w/ AFL distribution lens and House Side Shield
Light Source: (16) 5000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

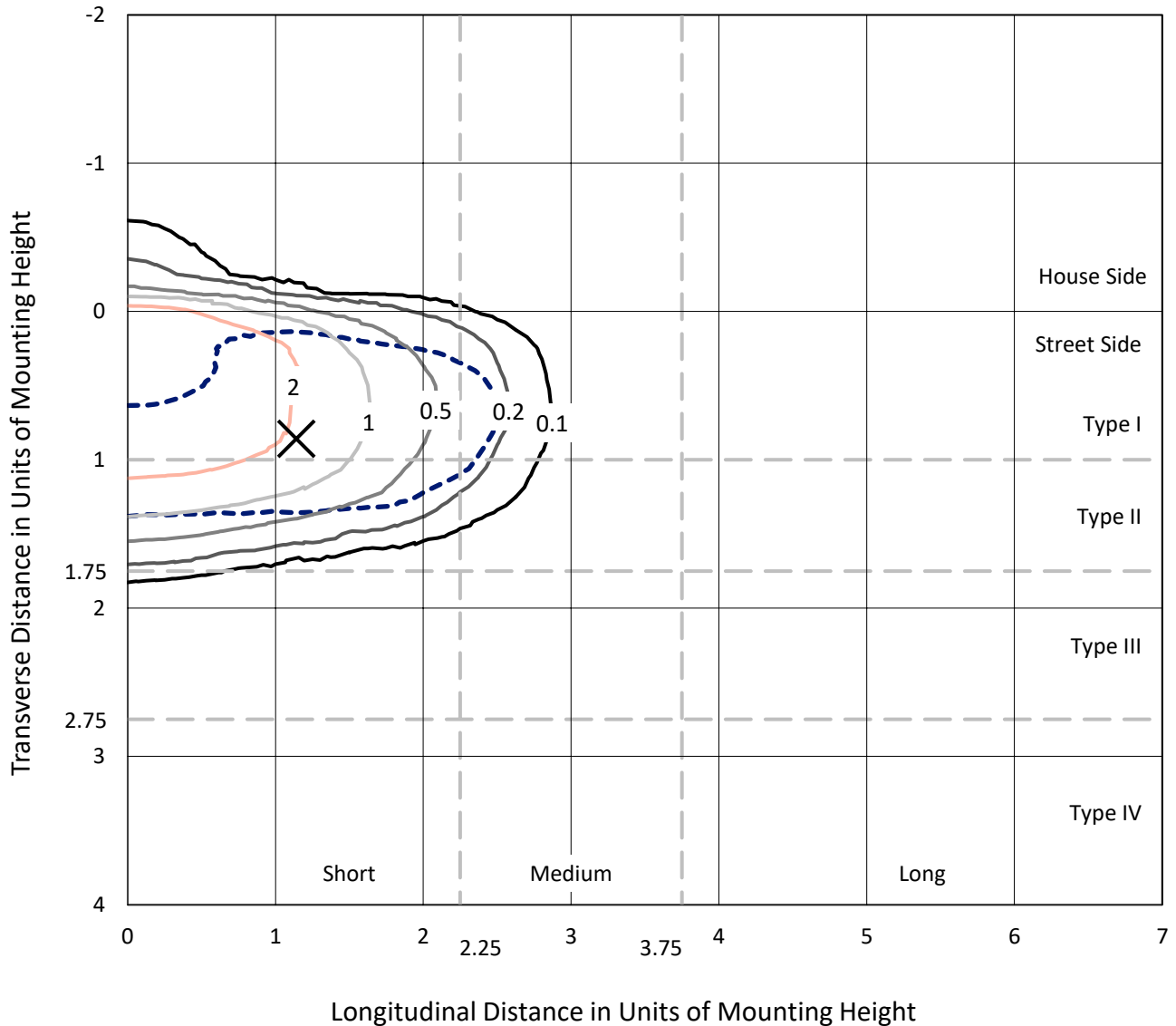
Lumens per Lamp: N/A
Luminaire Lumens: 2499.1 lumens
Efficiency: N/A
Efficacy: 104.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

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

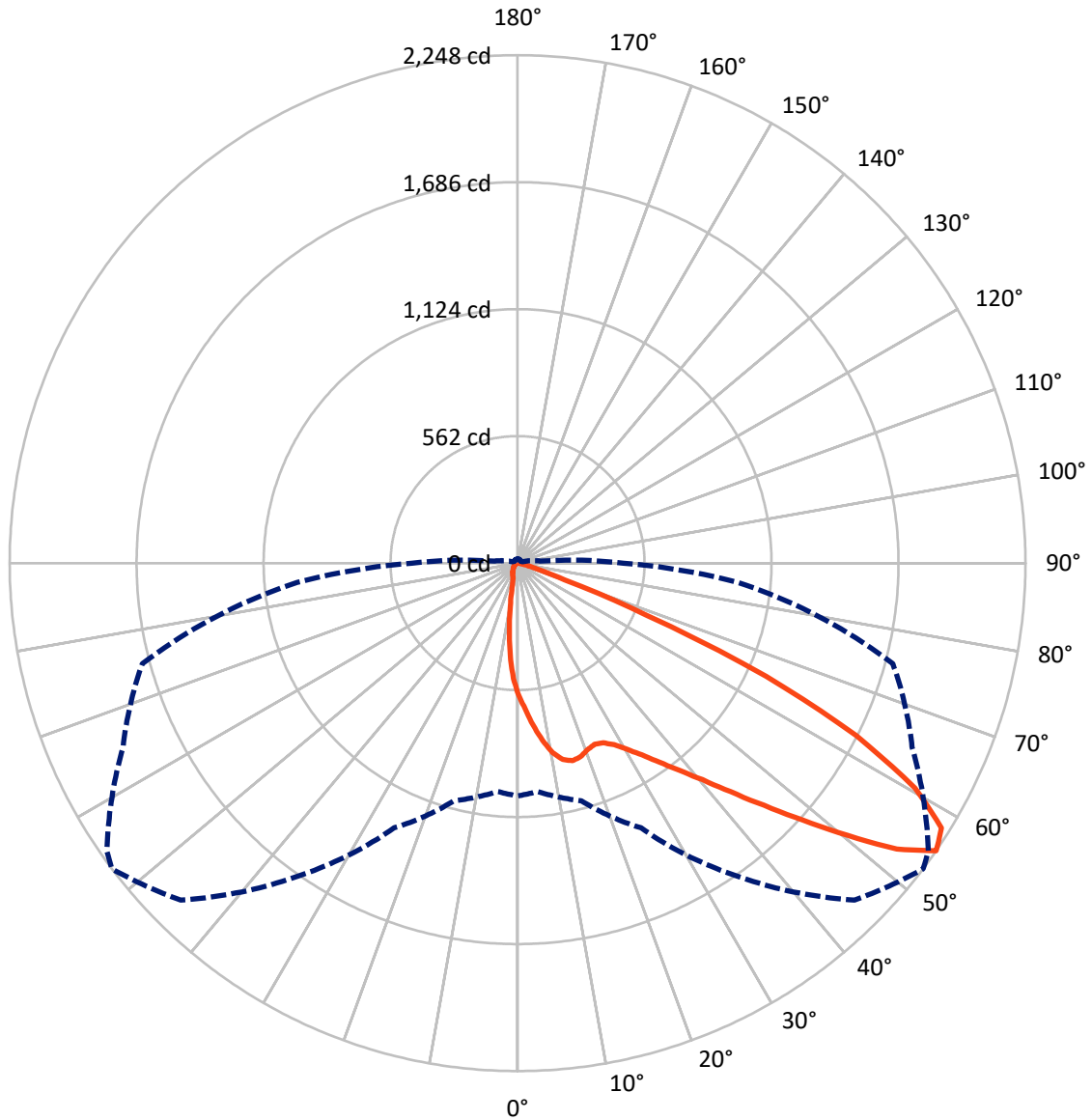
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.8 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	135.1	0.0	135.1
	% Fixture	5.4	0.0	5.4
Street Side	Lumens	2364.0	0.0	2364.0
	% Fixture	94.6	0.0	94.6
Total	Lumens	2499.1	0.0	2499.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.3	2.1
10°-20°	136.6	5.5
20°-30°	228.7	9.2
30°-40°	374.1	15.0
40°-50°	601.4	24.1
50°-60°	679.0	27.2
60°-70°	362.2	14.5
70°-80°	59.5	2.4
80°-90°	5.3	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°	2499.1	100.0
0°-180°	2499.1	100.0

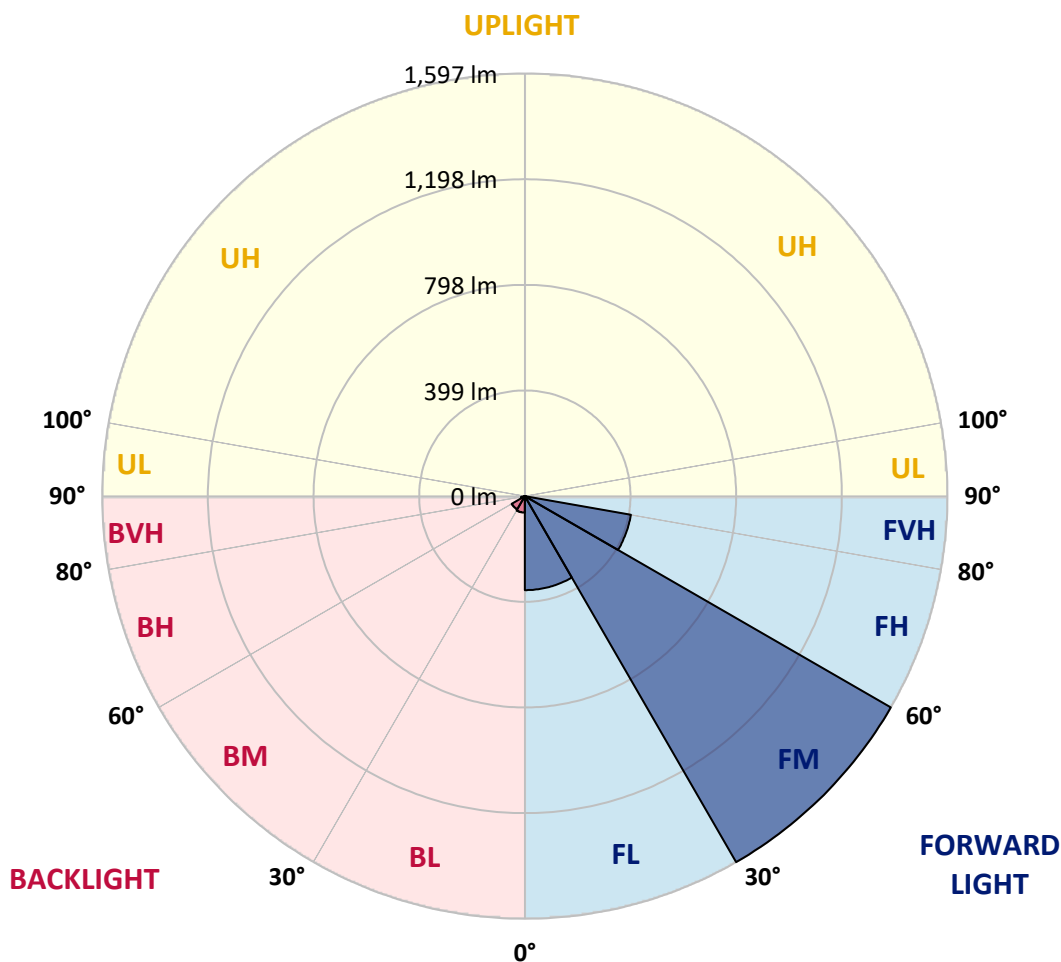


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	355.3	14.2			
FM (30°-60°)	1596.9	63.9			
FH (60°-80°)	406.9	16.3			G0/660
FVH (80°-90°)	4.9	0.2			G0/10
BL (0°-30°)	62.3	2.5	B0/110		
BM (30°-60°)	57.6	2.3	B0/220		
BH (60°-80°)	14.8	0.6	B0/110		G0/110
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: 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°	584.8	584.8	584.8	584.8	584.8	584.8	584.8	584.8	584.8	584.8	584.8
2.5°	701.3	697.2	699.6	693.2	681.6	667.2	645.5	646.6	629.5	614.6	594.0
5°	817.2	812.8	811.5	795.3	779.1	753.0	720.8	715.6	684.2	646.4	603.2
7.5°	878.2	874.5	877.4	871.5	855.5	831.8	791.1	787.2	738.8	681.4	617.9
10°	850.2	848.9	860.9	875.0	887.9	885.0	852.4	846.3	792.0	719.9	633.0
12.5°	774.9	779.1	794.4	820.2	860.1	897.5	892.3	893.4	846.3	761.8	649.7
15°	730.7	735.7	744.5	757.8	806.9	873.4	907.4	918.3	898.4	808.4	669.4
17.5°	726.9	731.1	732.4	737.5	766.1	834.7	901.2	922.0	944.8	852.4	691.5
20°	755.6	757.4	756.3	752.6	762.9	813.7	882.0	911.7	983.1	899.3	711.0
22.5°	809.7	807.1	803.8	790.0	789.3	819.6	871.5	902.5	1005.9	938.0	723.9
25°	876.7	871.2	866.6	847.2	838.0	850.4	880.9	905.8	1026.5	975.7	733.1
27.5°	949.8	951.6	940.2	913.9	899.5	896.9	910.0	928.6	1046.4	1009.4	738.1
30°	1028.0	1028.9	1014.0	986.8	973.7	956.8	956.0	967.1	1067.9	1048.2	742.9
32.5°	1117.1	1119.5	1095.2	1067.0	1044.0	1022.1	1011.4	1020.8	1106.4	1098.7	752.8
35°	1245.9	1235.4	1202.5	1159.8	1127.2	1098.5	1082.1	1088.2	1157.6	1159.4	772.5
37.5°	1378.6	1377.5	1341.1	1279.6	1226.2	1190.5	1162.5	1172.5	1229.7	1240.6	804.0
40°	1502.3	1505.1	1473.6	1419.9	1351.2	1289.9	1259.9	1266.7	1325.4	1339.2	842.3
42.5°	1583.1	1581.5	1583.9	1568.6	1499.6	1427.4	1382.3	1386.0	1436.6	1443.8	890.3
45°	1620.3	1614.4	1635.0	1683.6	1656.2	1580.2	1528.8	1524.2	1552.0	1550.0	933.9
47.5°	1588.1	1577.2	1624.5	1741.6	1794.6	1771.6	1698.0	1689.7	1666.1	1650.3	979.2
50°	1428.0	1423.2	1524.4	1714.0	1881.5	1948.5	1894.4	1863.6	1767.9	1724.3	1003.1
52.5°	1275.9	1262.5	1330.8	1573.2	1842.8	2090.8	2102.0	2047.0	1852.4	1745.5	994.9
55°	1030.6	1014.2	1088.7	1292.5	1689.3	2109.0	2247.8	2219.1	1926.4	1719.3	978.5
57.5°	626.0	609.8	719.3	925.8	1351.0	1957.9	2211.9	2241.0	1983.3	1690.4	967.8
60°	263.2	252.9	295.8	441.9	862.7	1609.1	2021.4	2094.1	1994.1	1650.7	972.2
62.5°	136.8	132.3	134.7	176.9	348.8	1059.5	1682.5	1809.0	1885.9	1633.2	976.6
65°	102.7	99.2	91.5	97.2	135.5	458.1	1209.1	1378.6	1651.4	1588.8	947.0
67.5°	84.3	81.0	75.5	73.8	79.9	159.0	617.2	837.5	1294.0	1399.4	841.0
70°	67.2	66.1	64.4	61.1	60.0	77.1	221.4	341.4	855.7	986.8	609.6
72.5°	56.1	56.3	54.3	51.5	47.5	49.7	88.2	116.7	414.1	473.2	255.3
75°	46.9	46.9	47.5	43.6	39.6	34.2	49.0	56.9	132.9	109.3	54.5
77.5°	36.8	37.2	40.1	36.8	31.7	21.5	26.7	30.4	39.4	31.5	19.9
80°	29.3	28.9	27.8	33.1	28.5	15.1	12.7	14.0	18.4	15.1	9.9
82.5°	20.6	20.4	19.5	22.3	22.1	11.2	8.3	8.5	11.2	9.6	6.1
85°	5.0	5.9	12.5	10.5	9.2	6.6	5.0	5.5	7.2	6.3	3.3
87.5°	2.2	2.2	5.7	6.8	4.4	2.8	2.2	2.4	3.7	3.7	2.0
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°	584.8	584.8	584.8	584.8	584.8	584.8	584.8	584.8	584.8	584.8	584.8
2.5°	586.8	572.6	554.6	535.6	516.1	492.7	477.8	465.5	455.9	448.4	445.8
5°	589.0	561.6	520.9	470.3	418.9	370.7	333.5	305.9	283.1	270.6	265.2
7.5°	588.8	552.4	478.9	394.1	310.5	241.1	191.8	161.4	141.0	132.7	127.7
10°	588.6	540.4	430.9	309.6	207.6	139.7	102.9	85.8	78.4	75.5	75.1
12.5°	594.9	526.6	377.3	227.9	130.3	86.9	71.6	67.7	65.9	65.0	64.8
15°	598.4	513.9	320.8	160.9	87.8	68.8	63.9	62.2	61.5	61.1	60.9
17.5°	602.1	494.2	267.1	116.5	70.3	62.4	59.6	58.5	58.0	58.0	58.0
20°	602.8	473.0	213.9	85.8	62.4	58.2	55.4	54.3	53.6	53.2	53.2
22.5°	598.0	447.8	168.2	69.6	57.8	54.3	51.2	49.5	48.4	48.2	48.2
25°	585.9	412.1	129.0	61.1	54.1	50.4	46.6	44.7	43.8	43.8	43.8
27.5°	568.6	370.0	99.6	54.3	49.3	45.5	42.3	40.5	40.3	40.1	40.3
30°	548.9	329.5	76.2	48.2	43.6	40.5	37.9	37.0	37.4	37.4	37.7
32.5°	529.2	289.0	59.6	43.4	38.5	35.9	34.6	34.6	35.3	35.3	35.3
35°	512.4	249.4	49.9	39.4	35.0	32.8	32.2	32.8	33.3	33.5	33.5
37.5°	502.9	215.2	44.0	35.9	32.2	30.4	30.2	30.9	31.7	32.4	32.6
40°	499.4	189.0	40.5	33.3	29.6	28.5	28.2	29.1	30.7	31.7	32.0
42.5°	499.7	165.8	37.4	30.7	27.8	26.3	26.3	27.6	29.1	30.2	30.2
45°	501.2	145.8	34.4	28.0	26.3	23.6	23.9	25.6	26.7	27.8	27.8
47.5°	502.5	129.8	31.1	25.2	22.8	21.5	21.9	23.2	24.7	26.5	26.5
50°	494.8	118.5	27.8	22.1	19.9	19.5	20.4	21.5	23.6	25.4	25.6
52.5°	476.5	108.2	25.0	19.7	18.0	18.2	19.3	19.9	21.7	21.9	22.1
55°	468.4	102.9	22.8	18.0	16.4	17.1	17.7	18.0	17.5	16.4	16.4
57.5°	466.6	99.4	20.6	16.2	15.1	16.0	15.8	14.5	13.1	11.8	11.6
60°	468.4	94.6	18.8	14.0	13.8	14.0	13.4	10.9	9.2	8.3	7.9
62.5°	458.3	87.6	17.3	12.0	12.0	11.8	10.1	7.4	5.9	5.3	5.0
65°	425.0	73.8	15.8	10.1	9.9	9.4	6.8	5.0	3.9	3.3	3.1
67.5°	359.5	57.1	14.2	8.3	7.9	6.6	4.4	3.3	2.2	2.0	1.8
70°	245.2	35.5	12.0	6.6	5.9	4.2	2.6	2.0	1.3	1.1	0.9
72.5°	88.9	20.6	10.1	5.0	3.9	2.6	1.5	0.9	0.7	0.7	0.4
75°	21.0	14.5	7.7	3.7	2.6	1.5	0.9	0.7	0.4	0.4	0.2
77.5°	9.6	11.2	5.0	2.2	1.8	1.1	0.7	0.4	0.2	0.2	0.0
80°	5.5	7.9	2.4	1.5	1.3	0.9	0.4	0.2	0.2	0.0	0.0
82.5°	2.8	4.4	1.8	1.3	1.1	0.7	0.4	0.0	0.0	0.0	0.0
85°	2.0	2.2	1.3	1.1	0.9	0.7	0.4	0.0	0.0	0.0	0.0
87.5°	1.5	1.5	1.3	1.1	0.9	0.7	0.2	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)