

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: P674381

Luminaire Tested: **CCP-SA-1A-727-U-AFL-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674381
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-727-U-AFL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ AFL distribution lens and House Side Shield
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

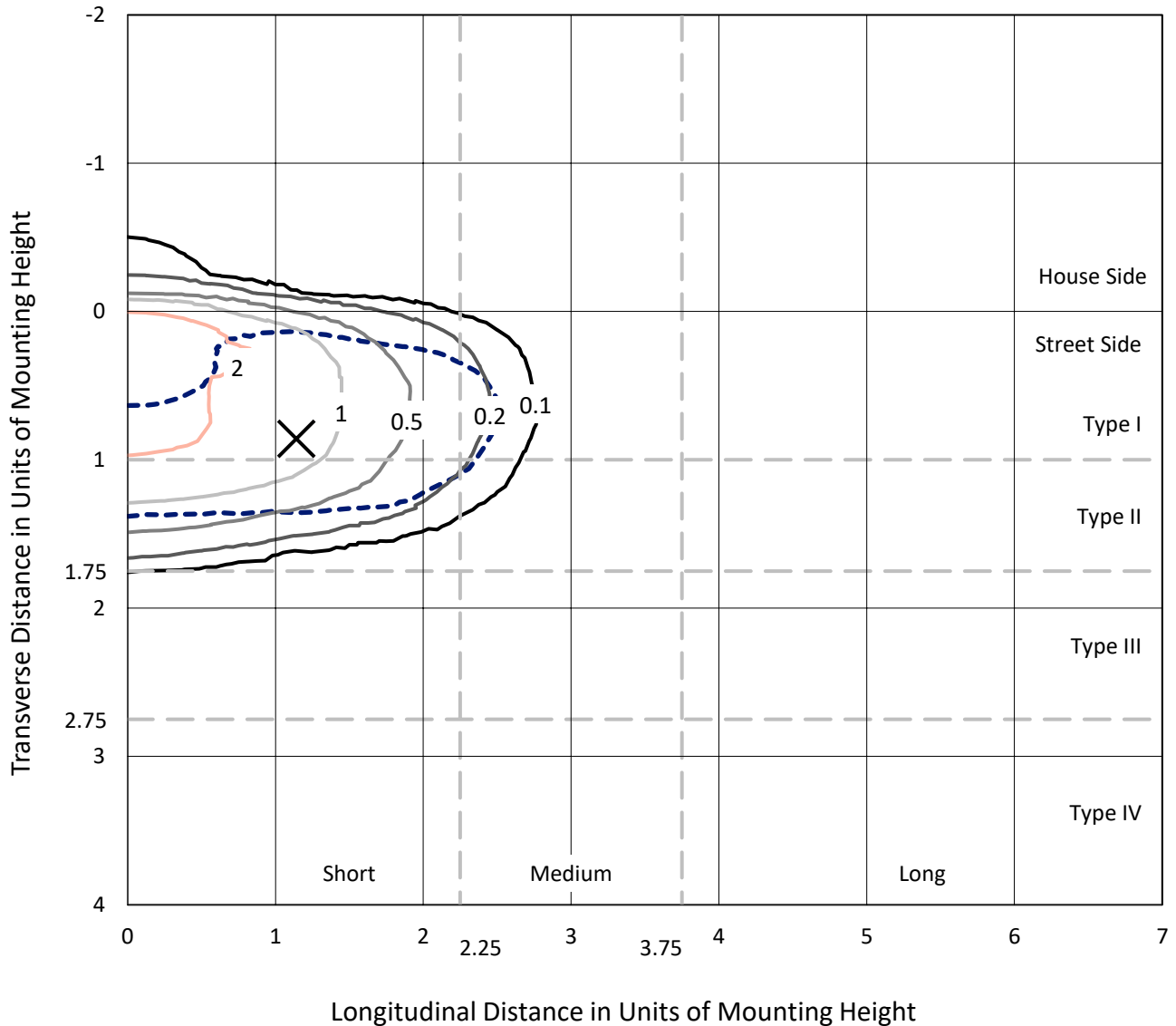
Lumens per Lamp: N/A
Luminaire Lumens: 1897.3 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

Input Watts (W): 18
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

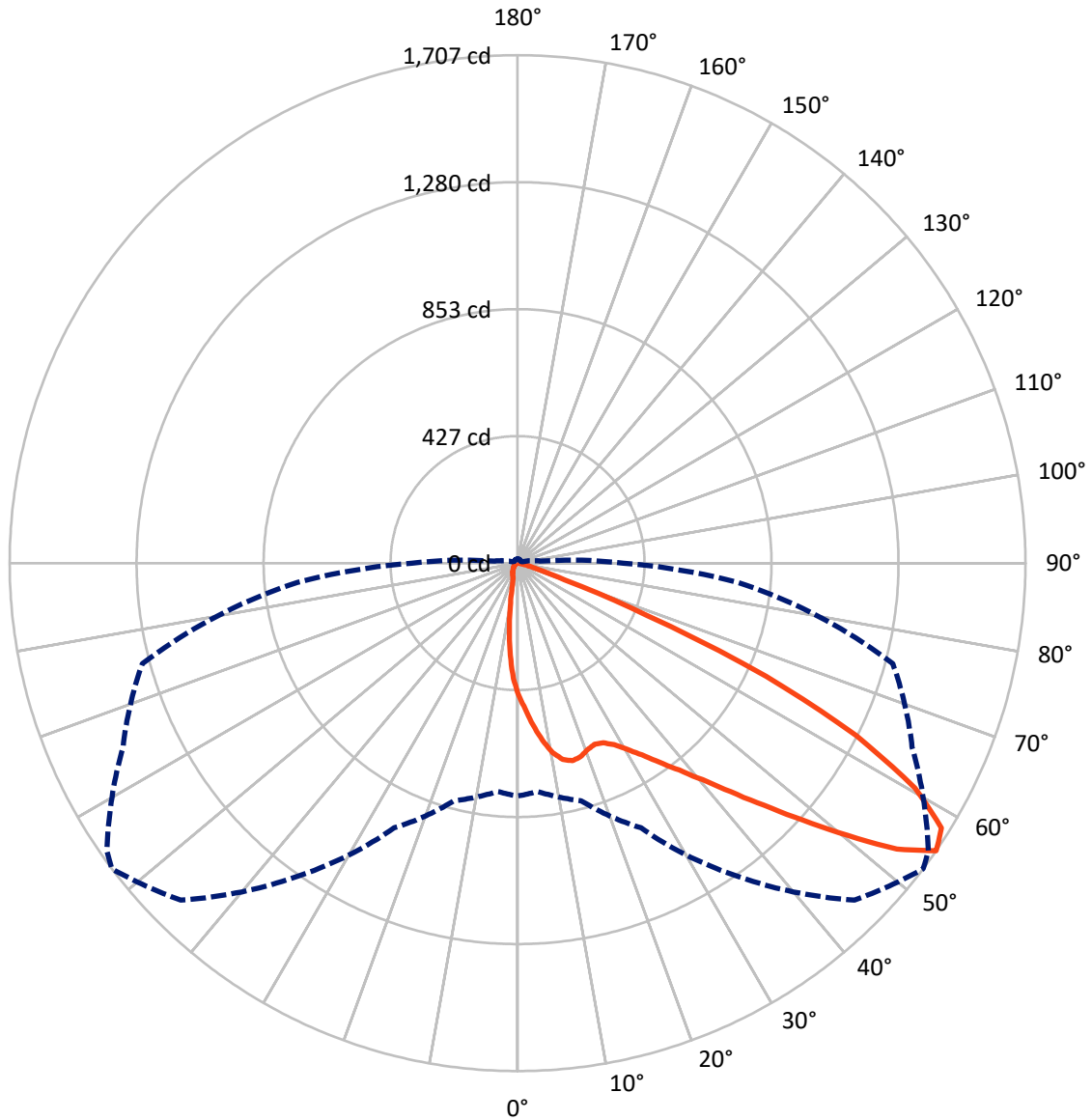
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.9 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	102.6	0.0	102.6
	% Fixture	5.4	0.0	5.4
Street Side	Lumens	1794.8	0.0	1794.8
	% Fixture	94.6	0.0	94.6
Total	Lumens	1897.3	0.0	1897.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.7	2.1
10°-20°	103.7	5.5
20°-30°	173.6	9.2
30°-40°	284.0	15.0
40°-50°	456.6	24.1
50°-60°	515.5	27.2
60°-70°	275.0	14.5
70°-80°	45.2	2.4
80°-90°	4.0	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°	1897.3	100.0
0°-180°	1897.3	100.0

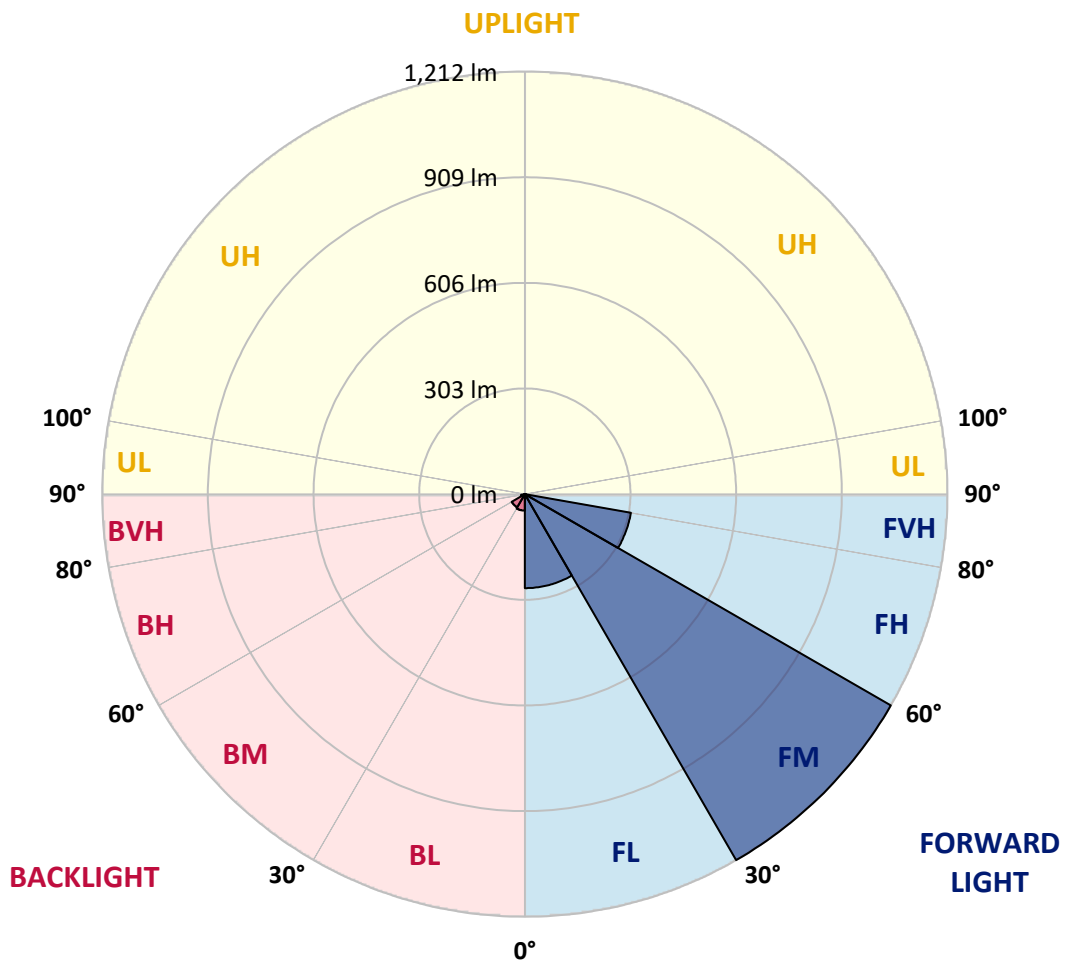


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	269.7	14.2			
FM (30°-60°)	1212.4	63.9			
FH (60°-80°)	308.9	16.3			G0/660
FVH (80°-90°)	3.7	0.2			G0/10
BL (0°-30°)	47.3	2.5	B0/110		
BM (30°-60°)	43.7	2.3	B0/220		
BH (60°-80°)	11.2	0.6	B0/110		G0/110
BVH (80°-90°)	0.3	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°	444.0	444.0	444.0	444.0	444.0	444.0	444.0	444.0	444.0	444.0	444.0
2.5°	532.5	529.3	531.1	526.3	517.5	506.5	490.1	490.9	477.9	466.6	451.0
5°	620.4	617.1	616.1	603.8	591.5	571.7	547.2	543.3	519.5	490.7	458.0
7.5°	666.8	663.9	666.1	661.6	649.5	631.5	600.6	597.6	560.9	517.3	469.1
10°	645.5	644.5	653.6	664.3	674.1	671.9	647.2	642.5	601.3	546.6	480.6
12.5°	588.3	591.5	603.1	622.7	653.0	681.4	677.4	678.2	642.5	578.3	493.2
15°	554.7	558.6	565.2	575.3	612.6	663.1	688.9	697.2	682.1	613.7	508.2
17.5°	551.9	555.1	556.1	559.9	581.7	633.7	684.2	700.0	717.3	647.2	525.0
20°	573.7	575.0	574.2	571.4	579.2	617.7	669.6	692.2	746.4	682.7	539.8
22.5°	614.7	612.7	610.3	599.8	599.3	622.2	661.6	685.2	763.7	712.2	549.6
25°	665.6	661.5	658.0	643.2	636.2	645.7	668.8	687.7	779.3	740.7	556.6
27.5°	721.1	722.5	713.8	693.9	682.9	680.9	690.9	705.0	794.4	766.3	560.4
30°	780.5	781.1	769.8	749.2	739.2	726.4	725.8	734.3	810.7	795.8	564.0
32.5°	848.1	850.0	831.5	810.1	792.6	776.0	767.8	775.0	840.0	834.2	571.5
35°	945.9	937.9	913.0	880.5	855.8	834.0	821.5	826.2	878.9	880.2	586.5
37.5°	1046.6	1045.8	1018.2	971.5	930.9	903.8	882.5	890.2	933.6	941.9	610.4
40°	1140.5	1142.7	1118.8	1078.0	1025.8	979.3	956.5	961.7	1006.2	1016.7	639.5
42.5°	1201.9	1200.7	1202.5	1190.9	1138.5	1083.7	1049.4	1052.3	1090.7	1096.2	675.9
45°	1230.1	1225.7	1241.3	1278.2	1257.4	1199.7	1160.7	1157.2	1178.3	1176.8	709.0
47.5°	1205.7	1197.4	1233.3	1322.2	1362.5	1345.0	1289.2	1282.8	1264.9	1252.9	743.4
50°	1084.2	1080.5	1157.3	1301.3	1428.5	1479.3	1438.3	1414.8	1342.2	1309.1	761.5
52.5°	968.7	958.5	1010.4	1194.4	1399.0	1587.4	1595.9	1554.1	1406.4	1325.2	755.4
55°	782.5	770.0	826.5	981.3	1282.5	1601.2	1706.6	1684.8	1462.5	1305.3	742.9
57.5°	475.3	463.0	546.1	702.8	1025.7	1486.5	1679.3	1701.4	1505.8	1283.3	734.8
60°	199.8	192.0	224.6	335.5	655.0	1221.7	1534.7	1589.9	1513.9	1253.2	738.1
62.5°	103.9	100.4	102.2	134.3	264.8	804.4	1277.4	1373.4	1431.8	1240.0	741.4
65°	78.0	75.3	69.5	73.8	102.9	347.8	918.0	1046.6	1253.7	1206.2	719.0
67.5°	64.0	61.5	57.4	56.0	60.7	120.7	468.6	635.9	982.5	1062.4	638.5
70°	51.0	50.2	48.9	46.4	45.5	58.5	168.1	259.2	649.6	749.2	462.8
72.5°	42.6	42.7	41.2	39.1	36.1	37.7	67.0	88.6	314.4	359.2	193.8
75°	35.6	35.6	36.1	33.1	30.1	25.9	37.2	43.2	100.9	83.0	41.4
77.5°	27.9	28.3	30.4	27.9	24.1	16.3	20.3	23.1	29.9	23.9	15.1
80°	22.3	21.9	21.1	25.1	21.6	11.5	9.6	10.6	14.0	11.5	7.5
82.5°	15.6	15.5	14.8	17.0	16.8	8.5	6.3	6.5	8.5	7.3	4.7
85°	3.8	4.5	9.5	8.0	7.0	5.0	3.8	4.2	5.5	4.8	2.5
87.5°	1.7	1.7	4.3	5.2	3.3	2.2	1.7	1.8	2.8	2.8	1.5
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°	444.0	444.0	444.0	444.0	444.0	444.0	444.0	444.0	444.0	444.0	444.0
2.5°	445.5	434.7	421.1	406.6	391.8	374.0	362.7	353.4	346.1	340.5	338.5
5°	447.2	426.4	395.5	357.1	318.0	281.4	253.2	232.2	214.9	205.5	201.3
7.5°	447.0	419.4	363.6	299.2	235.7	183.0	145.6	122.5	107.1	100.7	96.9
10°	446.8	410.3	327.2	235.1	157.6	106.1	78.1	65.2	59.5	57.4	57.0
12.5°	451.7	399.8	286.4	173.1	98.9	66.0	54.4	51.4	50.0	49.4	49.2
15°	454.3	390.2	243.5	122.2	66.7	52.2	48.5	47.2	46.7	46.4	46.2
17.5°	457.1	375.2	202.8	88.4	53.4	47.4	45.2	44.4	44.1	44.1	44.1
20°	457.6	359.1	162.4	65.2	47.4	44.2	42.1	41.2	40.7	40.4	40.4
22.5°	454.0	340.0	127.7	52.9	43.9	41.2	38.9	37.6	36.7	36.6	36.6
25°	444.8	312.9	97.9	46.4	41.1	38.2	35.4	33.9	33.2	33.2	33.2
27.5°	431.7	280.9	75.6	41.2	37.4	34.6	32.1	30.8	30.6	30.4	30.6
30°	416.8	250.2	57.8	36.6	33.1	30.8	28.8	28.1	28.4	28.4	28.6
32.5°	401.8	219.4	45.2	32.9	29.3	27.3	26.3	26.3	26.8	26.8	26.8
35°	389.0	189.3	37.9	29.9	26.6	24.9	24.4	24.9	25.3	25.4	25.4
37.5°	381.8	163.4	33.4	27.3	24.4	23.1	22.9	23.4	24.1	24.6	24.8
40°	379.2	143.5	30.8	25.3	22.4	21.6	21.4	22.1	23.3	24.1	24.3
42.5°	379.3	125.8	28.4	23.3	21.1	19.9	19.9	20.9	22.1	22.9	22.9
45°	380.5	110.7	26.1	21.3	19.9	18.0	18.1	19.4	20.3	21.1	21.1
47.5°	381.5	98.6	23.6	19.1	17.3	16.3	16.6	17.6	18.8	20.1	20.1
50°	375.7	89.9	21.1	16.8	15.1	14.8	15.5	16.3	18.0	19.3	19.4
52.5°	361.7	82.1	19.0	15.0	13.6	13.8	14.6	15.1	16.5	16.6	16.8
55°	355.6	78.1	17.3	13.6	12.5	13.0	13.5	13.6	13.3	12.5	12.5
57.5°	354.2	75.5	15.6	12.3	11.5	12.1	12.0	11.0	10.0	9.0	8.8
60°	355.6	71.8	14.3	10.6	10.5	10.6	10.1	8.3	7.0	6.3	6.0
62.5°	347.9	66.5	13.1	9.1	9.1	9.0	7.6	5.7	4.5	4.0	3.8
65°	322.7	56.0	12.0	7.6	7.5	7.1	5.2	3.8	3.0	2.5	2.3
67.5°	273.0	43.4	10.8	6.3	6.0	5.0	3.3	2.5	1.7	1.5	1.3
70°	186.2	26.9	9.1	5.0	4.5	3.2	2.0	1.5	1.0	0.8	0.7
72.5°	67.5	15.6	7.6	3.8	3.0	2.0	1.2	0.7	0.5	0.5	0.3
75°	16.0	11.0	5.8	2.8	2.0	1.2	0.7	0.5	0.3	0.3	0.2
77.5°	7.3	8.5	3.8	1.7	1.3	0.8	0.5	0.3	0.2	0.2	0.0
80°	4.2	6.0	1.8	1.2	1.0	0.7	0.3	0.2	0.2	0.0	0.0
82.5°	2.2	3.3	1.3	1.0	0.8	0.5	0.3	0.0	0.0	0.0	0.0
85°	1.5	1.7	1.0	0.8	0.7	0.5	0.3	0.0	0.0	0.0	0.0
87.5°	1.2	1.2	1.0	0.8	0.7	0.5	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)