

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: P676819

Luminaire Tested: **CCW-SA-1C-727-U-SL2-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676819
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-727-U-SL2-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
SL2 distribution lens and House Side Shield
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

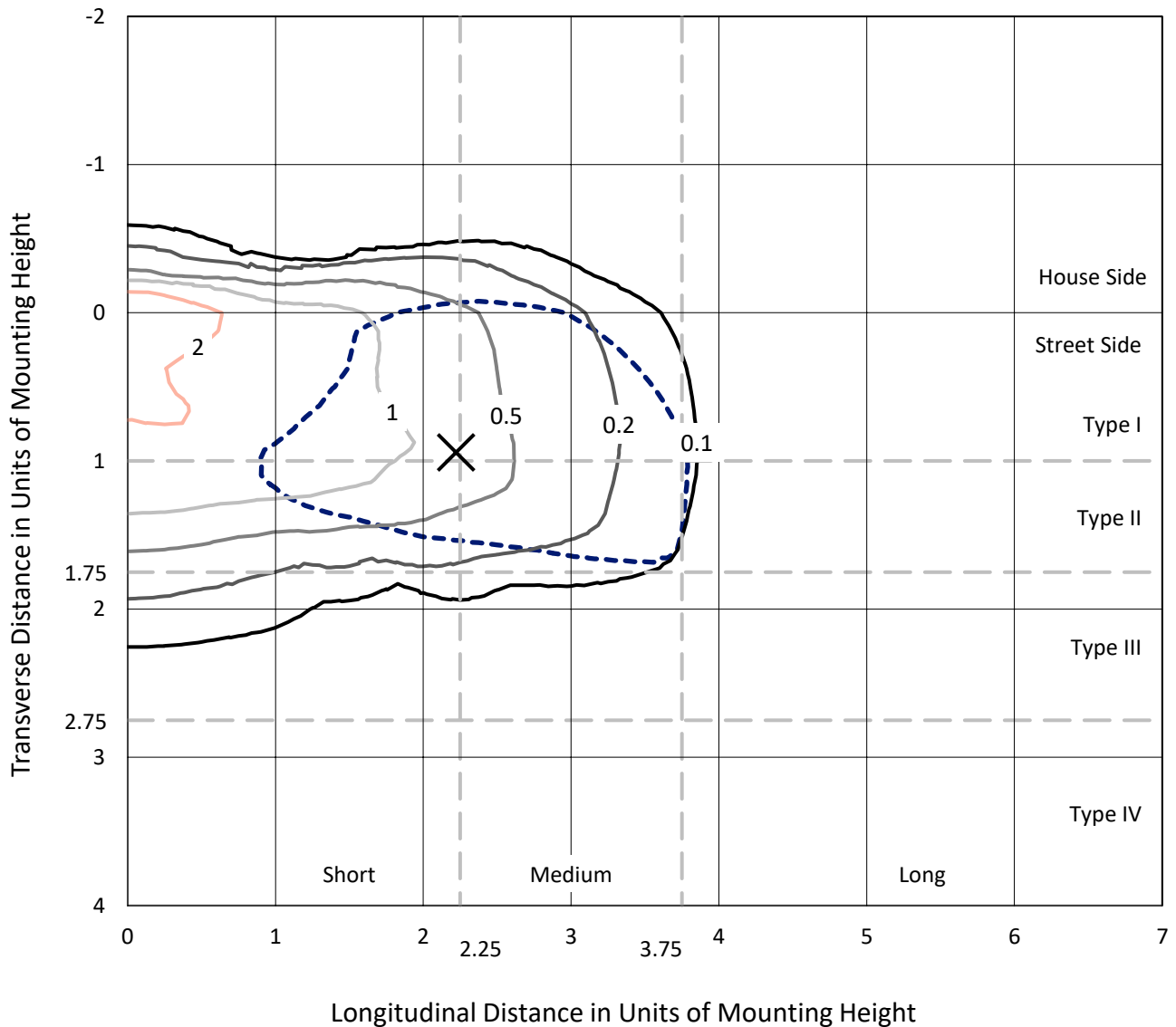
Lumens per Lamp: N/A
Luminaire Lumens: 3040.6 lumens
Efficiency: N/A
Efficacy: 95.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

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

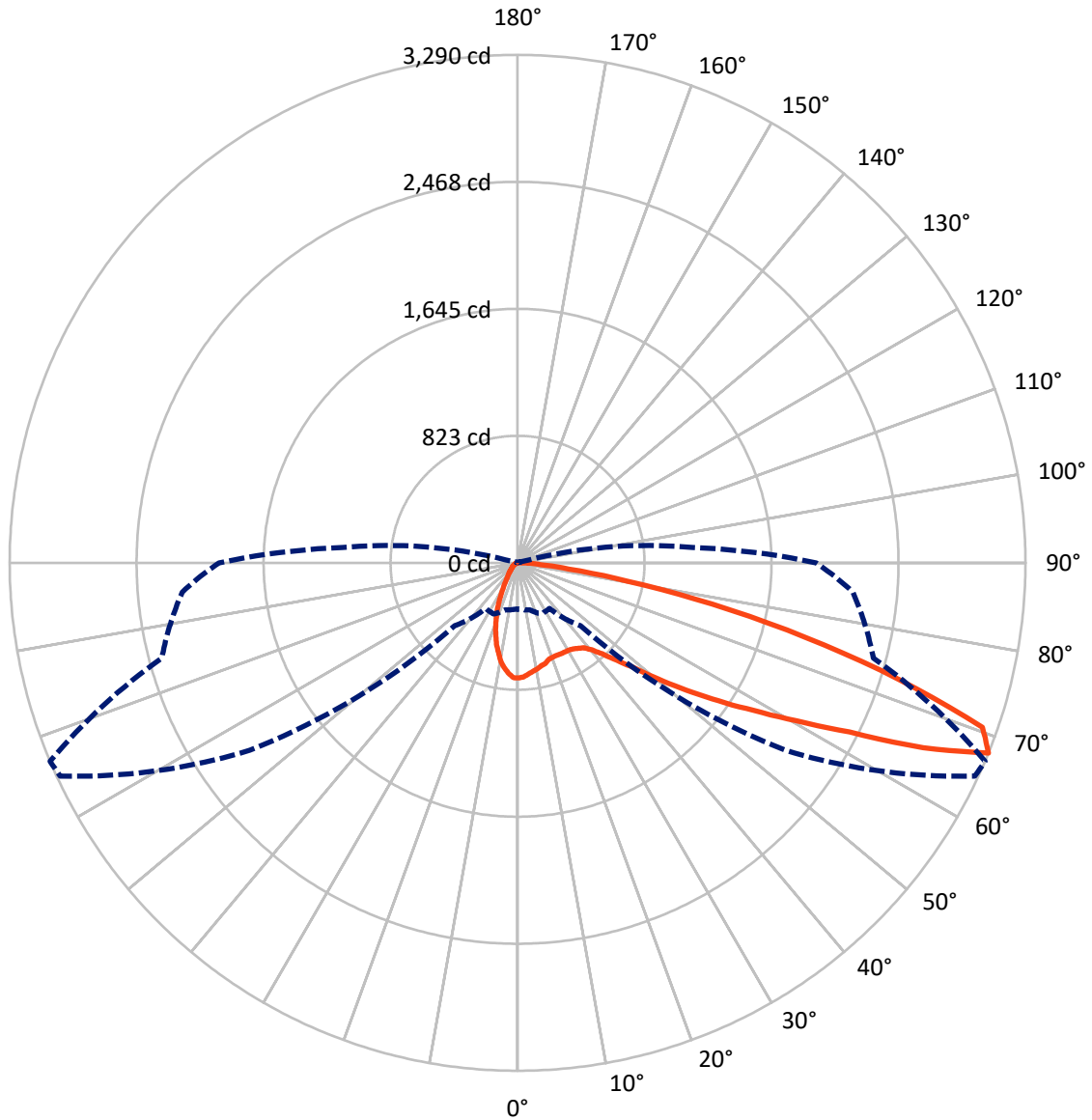
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	382.7	0.0	382.7
	% Fixture	12.6	0.0	12.6
Street Side	Lumens	2657.9	0.0	2657.9
	% Fixture	87.4	0.0	87.4
Total	Lumens	3040.6	0.0	3040.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.8	2.1
10°-20°	139.6	4.6
20°-30°	198.5	6.5
30°-40°	289.0	9.5
40°-50°	447.3	14.7
50°-60°	686.5	22.6
60°-70°	744.2	24.5
70°-80°	419.9	13.8
80°-90°	52.8	1.7
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°	3040.6	100.0
0°-180°	3040.6	100.0

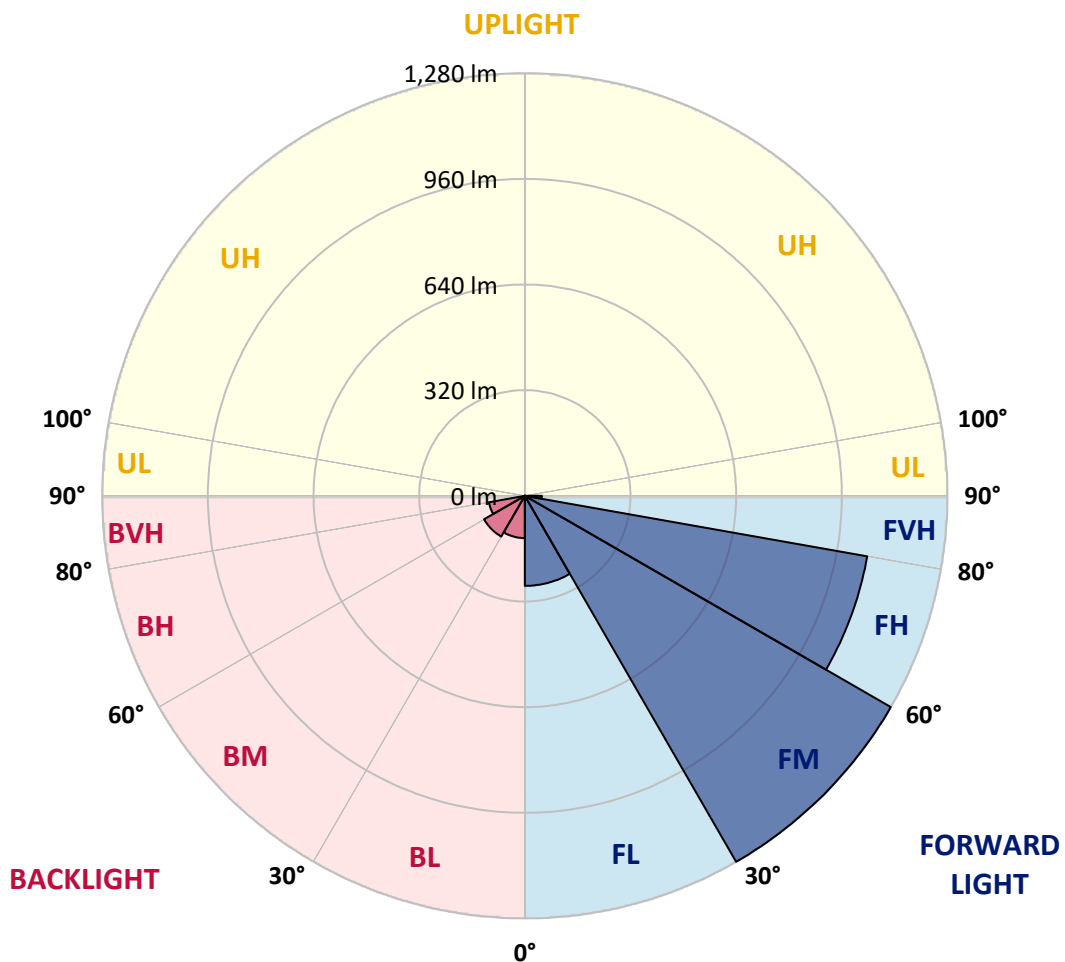


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	272.8	9.0			
FM (30°-60°)	1280.4	42.1			
FH (60°-80°)	1053.5	34.6			G1/1800
FVH (80°-90°)	51.2	1.7			G1/100
BL (0°-30°)	128.1	4.2	B1/500		
BM (30°-60°)	142.5	4.7	B0/220		
BH (60°-80°)	110.5	3.6	B1/500		G1/500
BVH (80°-90°)	1.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	745.8	745.8	745.8	745.8	745.8	745.8	745.8	745.8	745.8	745.8	745.8
2.5°	713.6	717.2	722.4	729.7	734.8	731.9	734.1	746.5	739.9	745.8	742.9
5°	674.0	677.7	685.0	684.3	690.1	701.1	715.8	731.9	724.6	742.1	748.7
7.5°	633.0	631.5	631.5	646.9	659.4	674.7	682.8	709.2	709.9	725.3	741.4
10°	595.6	600.0	607.3	613.2	624.9	646.9	670.3	690.9	698.9	729.7	734.1
12.5°	572.9	575.1	583.9	589.0	604.4	625.7	650.6	676.9	683.5	715.0	736.3
15°	563.4	568.5	571.4	581.0	589.0	608.8	627.1	657.2	676.2	701.1	727.5
17.5°	570.7	568.5	570.0	572.9	582.4	600.0	619.8	649.8	656.4	698.2	737.7
20°	580.2	581.0	576.6	575.1	572.9	589.8	605.9	644.7	652.0	698.2	744.3
22.5°	605.9	597.8	605.9	594.2	582.4	589.8	605.1	645.4	650.6	697.5	750.9
25°	637.4	638.8	641.0	616.1	599.3	594.2	610.3	647.6	652.0	703.3	753.9
27.5°	682.1	688.7	677.7	665.2	631.5	605.9	609.5	646.2	654.2	700.4	761.2
30°	742.1	737.0	738.5	709.9	676.9	636.6	626.4	649.8	655.7	704.0	775.1
32.5°	794.2	788.3	798.6	788.3	736.3	680.6	646.2	657.2	663.8	712.8	786.8
35°	826.4	833.7	849.8	860.8	816.9	737.7	679.1	676.9	679.9	717.2	795.6
37.5°	876.2	889.4	902.6	930.4	892.3	808.1	731.2	702.6	697.5	738.5	800.0
40°	930.4	926.8	965.6	998.6	997.1	907.0	803.7	748.0	740.7	772.2	829.3
42.5°	975.9	972.2	1015.4	1069.6	1075.5	1002.2	886.5	812.5	805.9	824.2	865.2
45°	1035.2	1038.1	1089.4	1153.9	1175.1	1128.2	998.6	904.8	901.1	895.3	933.4
47.5°	1087.9	1104.1	1148.0	1224.2	1301.1	1258.6	1130.4	1039.6	1013.9	1000.8	1038.9
50°	1124.6	1139.2	1192.7	1274.0	1414.7	1441.8	1278.4	1183.2	1183.9	1151.7	1172.2
52.5°	1124.6	1123.8	1167.1	1274.0	1493.8	1633.0	1476.2	1364.1	1370.0	1336.3	1337.8
55°	1016.1	1013.9	1066.7	1180.3	1485.0	1816.9	1775.9	1593.5	1578.8	1513.6	1520.2
57.5°	818.3	823.5	863.8	1000.0	1370.7	1902.6	2132.7	1851.3	1801.5	1666.7	1666.7
60°	597.1	592.7	622.7	718.0	1098.2	1870.4	2425.7	2155.4	2077.0	1793.5	1774.4
62.5°	454.2	453.5	461.6	493.8	696.7	1630.8	2551.7	2542.2	2414.7	1918.0	1890.9
65°	367.0	368.5	379.5	402.2	425.7	1112.1	2485.1	3003.7	2887.3	2103.4	2014.7
67.5°	299.6	303.3	316.5	365.6	360.4	575.8	2116.5	3268.2	3290.2	2386.1	2181.0
70°	230.8	236.6	252.0	321.6	347.3	383.2	1467.4	3136.4	3195.0	2562.0	2080.6
72.5°	156.8	156.0	189.0	260.8	350.9	350.9	816.9	2526.1	2581.8	2362.0	1807.4
75°	85.0	90.1	125.3	197.1	321.6	339.2	465.2	1848.4	1926.8	1836.7	1397.8
77.5°	46.2	46.9	69.6	128.9	267.4	323.8	310.6	1257.2	1287.9	1107.7	765.6
80°	24.2	24.9	36.6	84.3	184.6	300.4	258.6	749.5	720.2	424.9	252.8
82.5°	11.0	11.7	18.3	52.7	118.0	236.6	223.4	361.9	334.1	118.7	76.9
85°	4.4	4.4	8.1	31.5	68.9	116.5	191.2	181.7	151.7	35.9	38.1
87.5°	1.5	1.5	2.2	12.5	27.8	69.6	101.8	96.0	65.9	13.2	20.5
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°	745.8	745.8	745.8	745.8	745.8	745.8	745.8	745.8	745.8	745.8	745.8
2.5°	739.9	748.0	745.8	744.3	730.4	729.0	727.5	714.3	718.7	707.7	715.0
5°	744.3	748.7	737.0	715.0	695.3	673.3	656.4	644.7	623.5	615.4	613.9
7.5°	739.9	739.9	715.8	680.6	641.8	605.9	560.5	528.2	504.0	485.7	492.3
10°	734.1	725.3	700.4	638.1	567.8	513.6	448.4	400.7	364.8	353.1	345.8
12.5°	734.1	718.7	663.0	578.0	487.2	405.1	327.5	265.2	230.8	210.3	207.3
15°	727.5	704.8	635.9	521.6	408.8	297.4	208.8	155.3	126.0	118.0	115.0
17.5°	729.0	701.9	595.6	455.0	317.2	197.8	127.5	98.2	90.8	87.2	87.9
20°	731.9	701.9	559.7	389.8	228.6	123.1	87.9	82.8	79.1	77.7	78.4
22.5°	741.4	687.9	523.1	323.1	154.6	88.6	77.7	72.5	69.6	67.4	66.7
25°	742.9	685.7	487.9	257.2	106.2	74.7	68.1	62.3	58.6	55.7	54.9
27.5°	740.7	676.2	438.8	191.2	79.9	66.7	57.9	52.0	46.9	44.7	44.0
30°	748.7	658.6	397.1	137.7	67.4	57.9	49.1	42.5	38.1	35.2	35.2
32.5°	749.5	643.2	350.9	98.2	61.5	51.3	41.8	34.4	30.0	28.6	28.6
35°	750.2	629.3	299.6	74.7	54.9	44.0	34.4	28.6	25.6	23.4	23.4
37.5°	752.4	619.1	252.8	63.0	49.1	37.4	28.6	23.4	20.5	19.8	19.8
40°	756.8	605.1	203.7	55.7	42.5	31.5	24.2	19.8	16.9	16.1	15.4
42.5°	768.5	601.5	162.6	49.8	38.1	26.4	19.8	16.1	13.9	12.5	11.7
45°	816.9	611.0	126.0	46.2	32.2	22.0	16.9	13.2	10.3	9.5	8.8
47.5°	896.0	642.5	99.6	41.0	27.1	18.3	13.9	10.3	8.1	7.3	6.6
50°	1016.1	714.3	81.3	36.6	22.7	15.4	11.0	8.1	5.9	5.1	5.1
52.5°	1173.7	811.0	70.3	32.2	18.3	13.2	8.8	5.9	4.4	3.7	3.7
55°	1334.8	925.3	65.9	27.8	15.4	11.0	6.6	4.4	2.9	2.2	2.2
57.5°	1482.8	999.3	63.7	22.7	13.2	8.1	5.1	2.9	1.5	0.7	0.7
60°	1575.1	1053.5	57.1	18.3	10.3	6.6	3.7	1.5	0.7	0.0	0.0
62.5°	1696.8	1108.5	46.9	13.9	7.3	4.4	2.2	0.7	0.0	0.0	0.0
65°	1857.2	1170.0	36.6	11.0	5.9	2.9	1.5	0.7	0.0	0.0	0.0
67.5°	1934.1	1137.8	24.9	8.1	3.7	1.5	0.7	0.0	0.0	0.0	0.0
70°	1780.3	958.3	17.6	5.9	2.2	0.7	0.7	0.0	0.0	0.0	0.0
72.5°	1496.7	750.9	13.2	3.7	1.5	0.7	0.0	0.0	0.0	0.0	0.0
75°	1103.3	469.6	10.3	2.9	1.5	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	585.4	175.1	7.3	2.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0
80°	172.9	51.3	5.1	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	57.1	15.4	2.9	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	29.3	5.9	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	16.9	2.2	1.5	1.5	0.7	0.0	0.0	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)