

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: P676830

Luminaire Tested: **CCW-SA-1C-730-U-SL2-HSS**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P676830
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-730-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) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

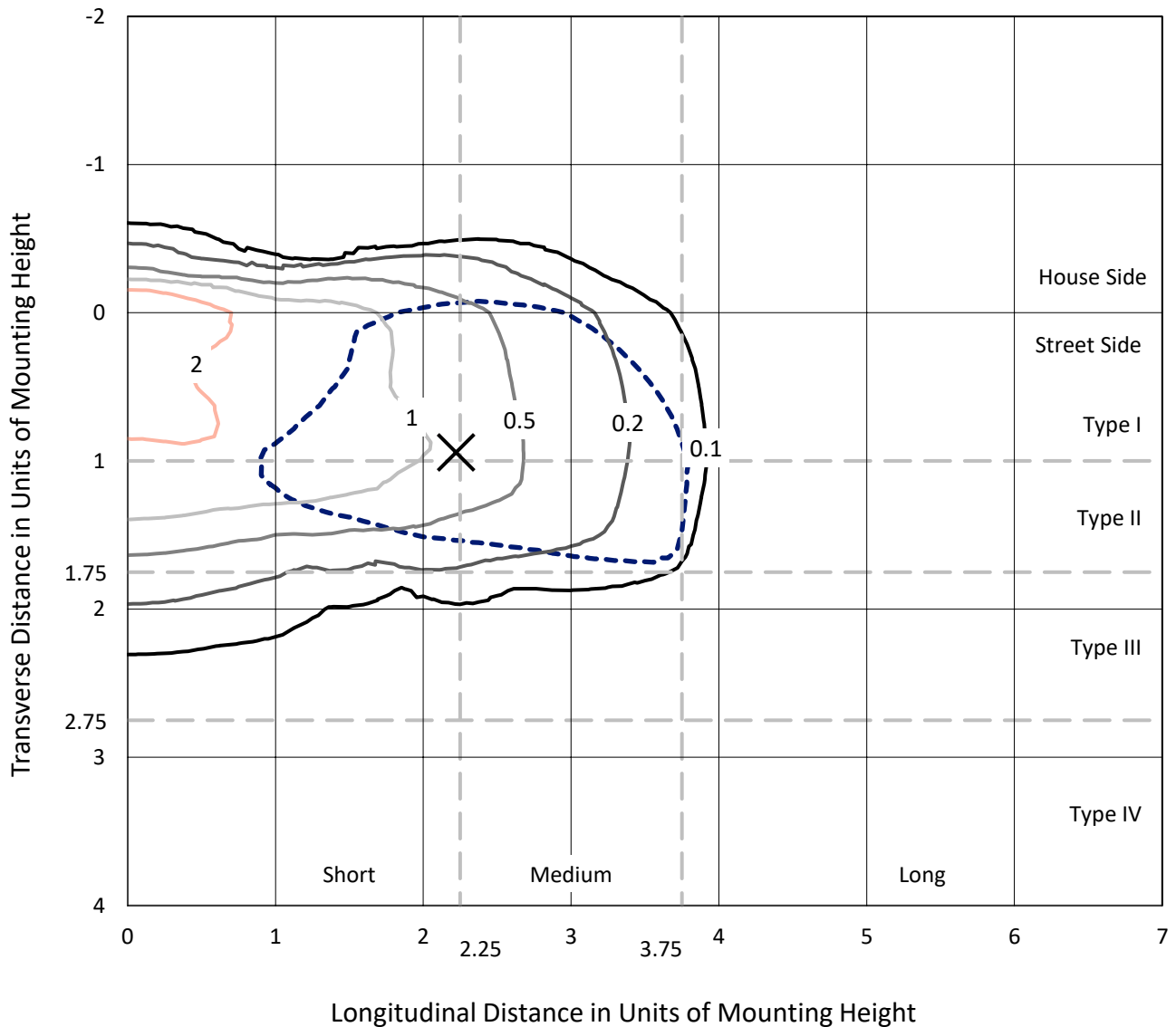
Lumens per Lamp: N/A
Luminaire Lumens: 3310.8 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 32
Input Voltage (V): 120
Input Current (A_{in}): 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

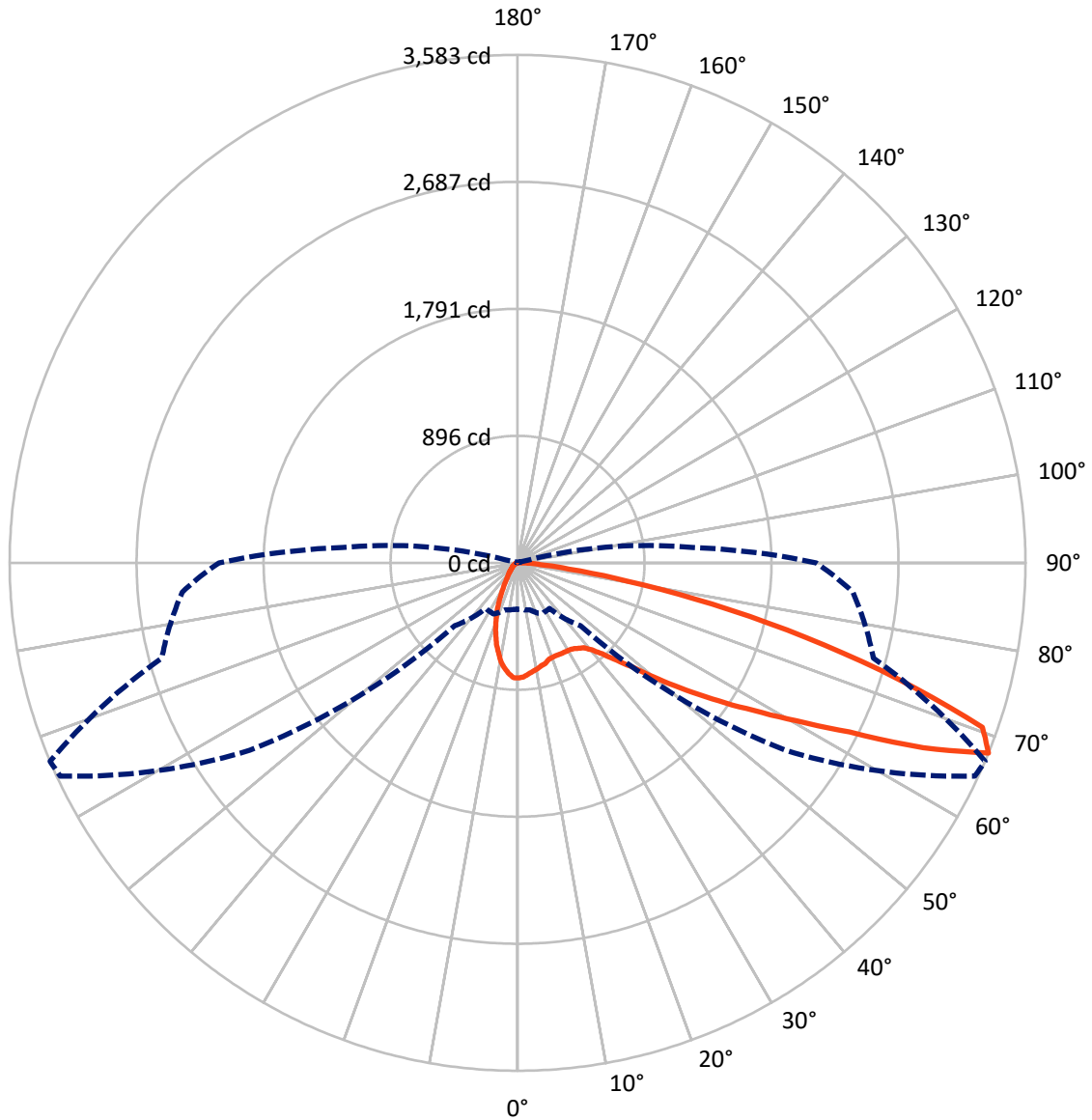
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.6 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	416.7	0.0	416.7
	% Fixture	12.6	0.0	12.6
Street Side	Lumens	2894.1	0.0	2894.1
	% Fixture	87.4	0.0	87.4
Total	Lumens	3310.8	0.0	3310.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.4	2.1
10°-20°	152.0	4.6
20°-30°	216.1	6.5
30°-40°	314.7	9.5
40°-50°	487.1	14.7
50°-60°	747.5	22.6
60°-70°	810.3	24.5
70°-80°	457.2	13.8
80°-90°	57.4	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°	3310.8	100.0
0°-180°	3310.8	100.0

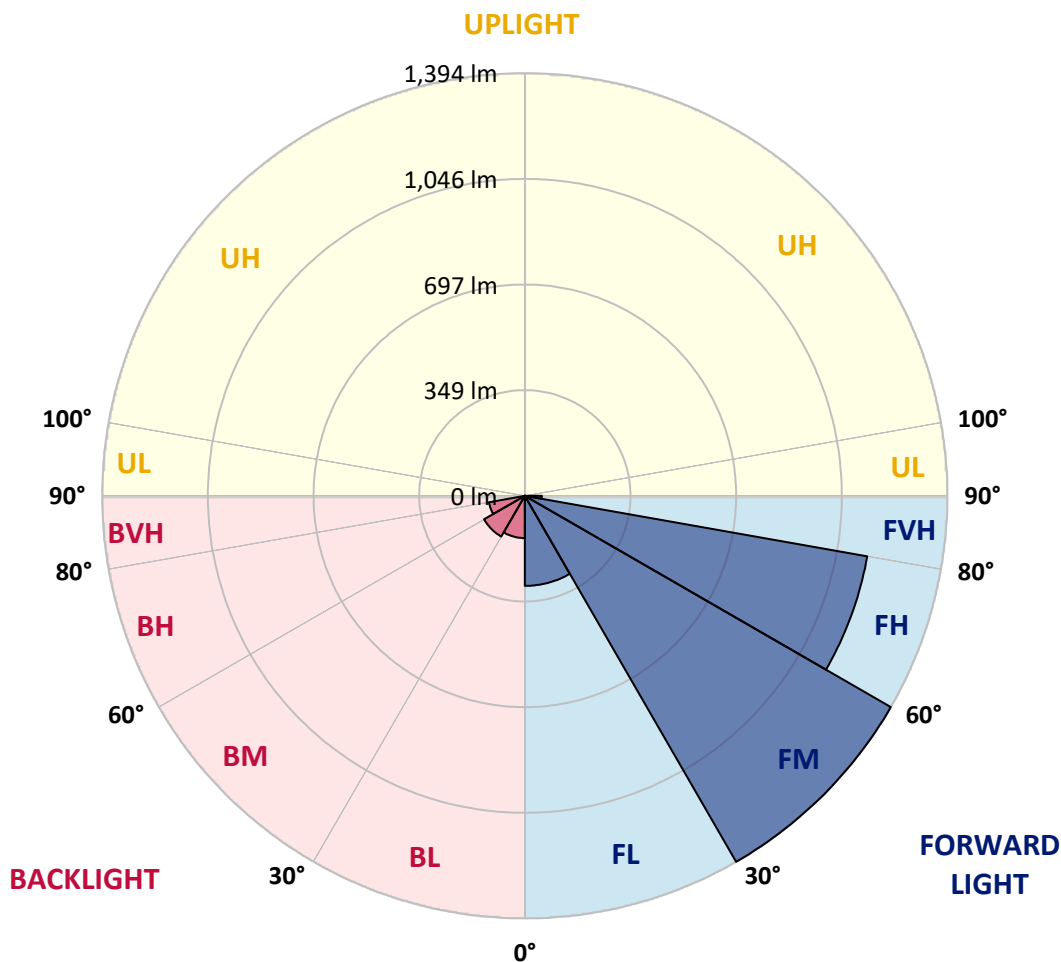


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	297.1	9.0			
FM (30°-60°)	1394.1	42.1			
FH (60°-80°)	1147.1	34.6			G1/1800
FVH (80°-90°)	55.8	1.7			G1/100
BL (0°-30°)	139.5	4.2	B1/500		
BM (30°-60°)	155.2	4.7	B0/220		
BH (60°-80°)	120.4	3.6	B1/500		G1/500
BVH (80°-90°)	1.7	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°	812.1	812.1	812.1	812.1	812.1	812.1	812.1	812.1	812.1	812.1	812.1
2.5°	777.0	781.0	786.5	794.5	800.1	796.9	799.3	812.9	805.7	812.1	808.9
5°	733.9	737.9	745.9	745.1	751.4	763.4	779.4	796.9	788.9	808.1	815.3
7.5°	689.2	687.6	687.6	704.4	717.9	734.7	743.5	772.2	773.0	789.7	807.3
10°	648.5	653.3	661.3	667.7	680.4	704.4	729.9	752.2	761.0	794.5	799.3
12.5°	623.8	626.2	635.8	641.4	658.1	681.2	708.4	737.1	744.3	778.6	801.7
15°	613.4	619.0	622.2	632.6	641.4	662.9	682.8	715.5	736.3	763.4	792.1
17.5°	621.4	619.0	620.6	623.8	634.2	653.3	674.9	707.6	714.7	760.2	803.3
20°	631.8	632.6	627.8	626.2	623.8	642.2	659.7	702.0	710.0	760.2	810.5
22.5°	659.7	650.9	659.7	646.9	634.2	642.2	658.9	702.8	708.4	759.4	817.7
25°	694.0	695.6	698.0	670.9	652.5	646.9	664.5	705.2	710.0	765.8	820.8
27.5°	742.7	749.8	737.9	724.3	687.6	659.7	663.7	703.6	712.4	762.6	828.8
30°	808.1	802.5	804.1	773.0	737.1	693.2	682.0	707.6	714.0	766.6	844.0
32.5°	864.7	858.3	869.5	858.3	801.7	741.1	703.6	715.5	722.7	776.2	856.7
35°	899.8	907.8	925.3	937.3	889.4	803.3	739.5	737.1	740.3	781.0	866.3
37.5°	954.1	968.4	982.8	1013.1	971.6	879.9	796.1	765.0	759.4	804.1	871.1
40°	1013.1	1009.1	1051.4	1087.3	1085.7	987.6	875.1	814.5	806.5	840.8	903.0
42.5°	1062.5	1058.6	1105.6	1164.7	1171.0	1091.3	965.2	884.7	877.5	897.4	942.1
45°	1127.2	1130.4	1186.2	1256.4	1279.5	1228.5	1087.3	985.2	981.2	974.8	1016.3
47.5°	1184.6	1202.1	1250.0	1333.0	1416.7	1370.5	1230.9	1132.0	1104.0	1089.7	1131.2
50°	1224.5	1240.4	1298.7	1387.2	1540.4	1569.9	1392.0	1288.3	1289.1	1254.0	1276.3
52.5°	1224.5	1223.7	1270.8	1387.2	1626.5	1778.1	1607.4	1485.3	1491.7	1455.0	1456.6
55°	1106.4	1104.0	1161.5	1285.1	1617.0	1978.3	1933.6	1735.0	1719.1	1648.1	1655.2
57.5°	891.0	896.6	940.5	1088.9	1492.5	2071.7	2322.1	2015.8	1961.6	1814.8	1814.8
60°	650.1	645.3	678.1	781.8	1195.8	2036.6	2641.2	2346.9	2261.5	1952.8	1932.1
62.5°	494.6	493.8	502.6	537.7	758.6	1775.7	2778.4	2768.1	2629.3	2088.4	2058.9
65°	399.7	401.2	413.2	437.9	463.5	1210.9	2705.8	3270.6	3143.8	2290.2	2193.7
67.5°	326.3	330.3	344.6	398.1	392.5	627.0	2304.6	3558.6	3582.5	2598.1	2374.8
70°	251.3	257.7	274.4	350.2	378.1	417.2	1597.8	3415.0	3478.8	2789.6	2265.5
72.5°	170.7	169.9	205.8	284.0	382.1	382.1	889.4	2750.5	2811.1	2571.8	1968.0
75°	92.5	98.1	136.4	214.6	350.2	369.3	506.5	2012.6	2098.0	1999.9	1522.0
77.5°	50.3	51.1	75.8	140.4	291.2	352.6	338.2	1368.9	1402.4	1206.1	833.6
80°	26.3	27.1	39.9	91.7	201.0	327.1	281.6	816.1	784.1	462.7	275.2
82.5°	12.0	12.8	19.9	57.4	128.4	257.7	243.3	394.1	363.8	129.2	83.8
85°	4.8	4.8	8.8	34.3	75.0	126.8	208.2	197.8	165.1	39.1	41.5
87.5°	1.6	1.6	2.4	13.6	30.3	75.8	110.9	104.5	71.8	14.4	22.3
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°	812.1	812.1	812.1	812.1	812.1	812.1	812.1	812.1	812.1	812.1	812.1
2.5°	805.7	814.5	812.1	810.5	795.3	793.7	792.1	777.8	782.6	770.6	778.6
5°	810.5	815.3	802.5	778.6	757.0	733.1	714.7	702.0	678.9	670.1	668.5
7.5°	805.7	805.7	779.4	741.1	698.8	659.7	610.2	575.1	548.8	528.9	536.1
10°	799.3	789.7	762.6	694.8	618.2	559.2	488.2	436.3	397.3	384.5	376.5
12.5°	799.3	782.6	721.9	629.4	530.5	441.1	356.6	288.8	251.3	228.9	225.8
15°	792.1	767.4	692.4	568.0	445.1	323.9	227.3	169.1	137.2	128.4	125.2
17.5°	793.7	764.2	648.5	495.4	345.4	215.4	138.8	106.9	98.9	94.9	95.7
20°	796.9	764.2	609.5	424.4	248.9	134.0	95.7	90.1	86.2	84.6	85.4
22.5°	807.3	749.0	569.6	351.8	168.3	96.5	84.6	79.0	75.8	73.4	72.6
25°	808.9	746.7	531.3	280.0	115.7	81.4	74.2	67.8	63.8	60.6	59.8
27.5°	806.5	736.3	477.8	208.2	87.0	72.6	63.0	56.6	51.1	48.7	47.9
30°	815.3	717.1	432.4	150.0	73.4	63.0	53.4	46.3	41.5	38.3	38.3
32.5°	816.1	700.4	382.1	106.9	67.0	55.8	45.5	37.5	32.7	31.1	31.1
35°	816.9	685.2	326.3	81.4	59.8	47.9	37.5	31.1	27.9	25.5	25.5
37.5°	819.2	674.1	275.2	68.6	53.4	40.7	31.1	25.5	22.3	21.5	21.5
40°	824.0	658.9	221.8	60.6	46.3	34.3	26.3	21.5	18.3	17.5	16.8
42.5°	836.8	654.9	177.1	54.2	41.5	28.7	21.5	17.5	15.2	13.6	12.8
45°	889.4	665.3	137.2	50.3	35.1	23.9	18.3	14.4	11.2	10.4	9.6
47.5°	975.6	699.6	108.5	44.7	29.5	19.9	15.2	11.2	8.8	8.0	7.2
50°	1106.4	777.8	88.5	39.9	24.7	16.8	12.0	8.8	6.4	5.6	5.6
52.5°	1277.9	883.1	76.6	35.1	19.9	14.4	9.6	6.4	4.8	4.0	4.0
55°	1453.4	1007.5	71.8	30.3	16.8	12.0	7.2	4.8	3.2	2.4	2.4
57.5°	1614.6	1088.1	69.4	24.7	14.4	8.8	5.6	3.2	1.6	0.8	0.8
60°	1715.1	1147.1	62.2	19.9	11.2	7.2	4.0	1.6	0.8	0.0	0.0
62.5°	1847.5	1206.9	51.1	15.2	8.0	4.8	2.4	0.8	0.0	0.0	0.0
65°	2022.2	1273.9	39.9	12.0	6.4	3.2	1.6	0.8	0.0	0.0	0.0
67.5°	2106.0	1238.8	27.1	8.8	4.0	1.6	0.8	0.0	0.0	0.0	0.0
70°	1938.4	1043.4	19.1	6.4	2.4	0.8	0.8	0.0	0.0	0.0	0.0
72.5°	1629.7	817.7	14.4	4.0	1.6	0.8	0.0	0.0	0.0	0.0	0.0
75°	1201.4	511.3	11.2	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	637.4	190.7	8.0	2.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0
80°	188.3	55.8	5.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	62.2	16.8	3.2	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0
85°	31.9	6.4	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	18.3	2.4	1.6	1.6	0.8	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)