

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: P676675

Luminaire Tested: **CCW-SA-1C-727-U-T4W-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676675
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-T4W-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
T4W distribution lens and House Side Shield
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

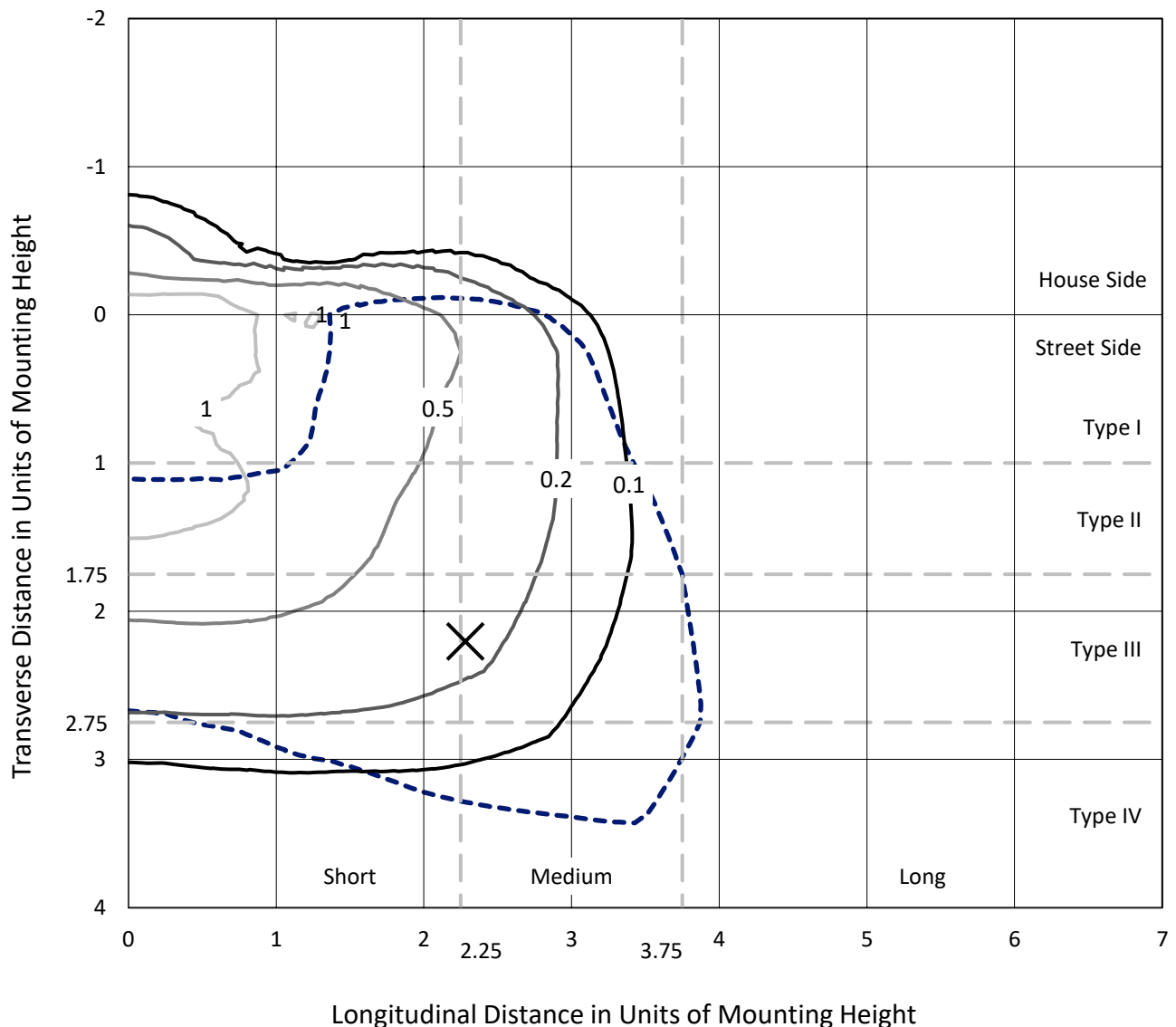
Lumens per Lamp: N/A
Luminaire Lumens: 2728 lumens
Efficiency: N/A
Efficacy: 85.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B0 - U0 - G1

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

REPORT NUMBER: P676675
 CATALOG NUMBER: CCW-SA-1C-727-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination

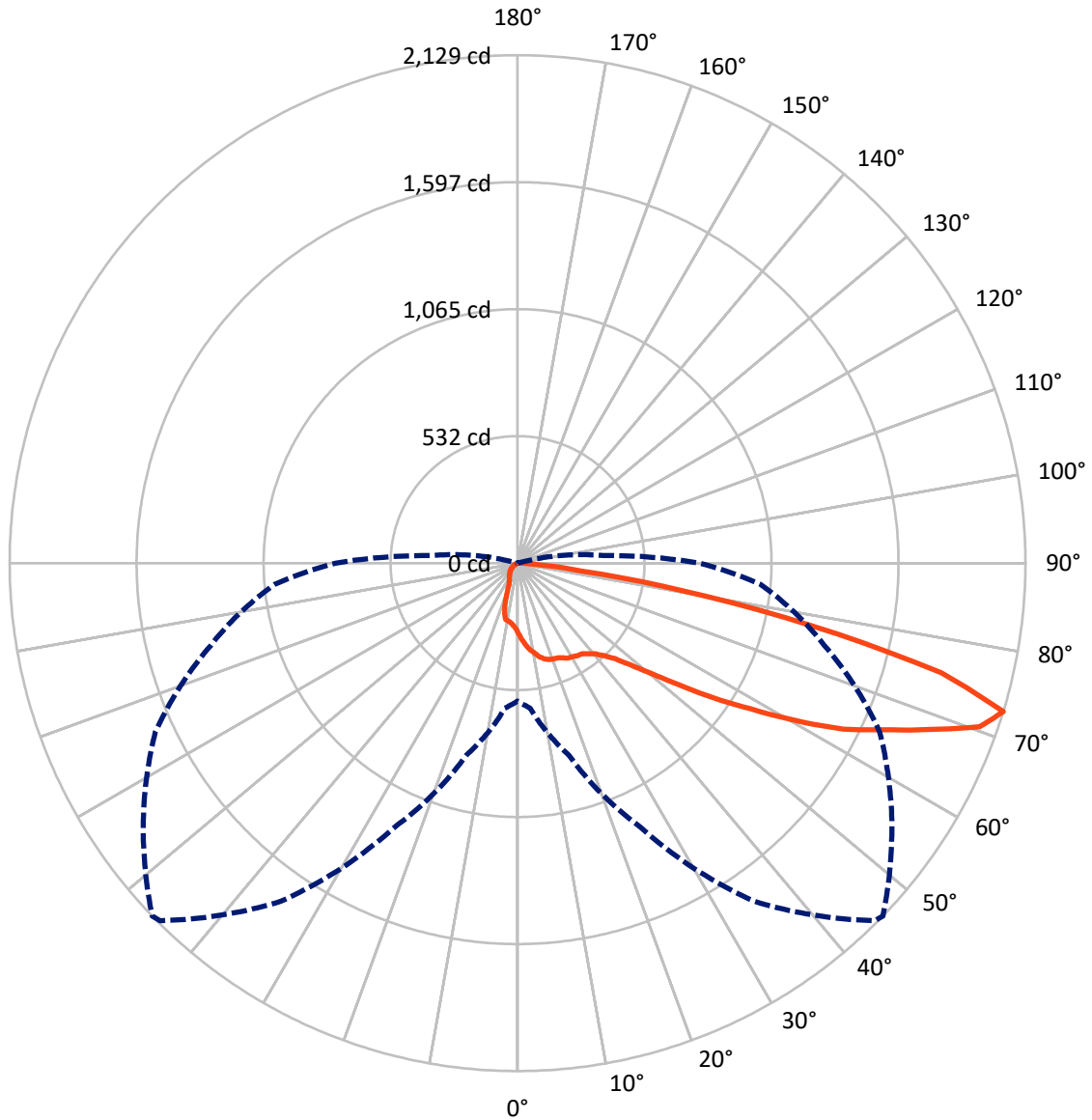
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.9 fc
 Type IV - Medium - N/A

REPORT NUMBER: P676675
CATALOG NUMBER: CCW-SA-1C-727-U-T4W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P676675
 CATALOG NUMBER: CCW-SA-1C-727-U-T4W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	293.7	0.0	293.7
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	2434.3	0.0	2434.3
	% Fixture	89.2	0.0	89.2
Total	Lumens	2728.0	0.0	2728.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.2	1.1
10°-20°	88.1	3.2
20°-30°	137.9	5.1
30°-40°	193.1	7.1
40°-50°	318.5	11.7
50°-60°	572.5	21.0
60°-70°	829.8	30.4
70°-80°	517.8	19.0
80°-90°	41.0	1.5
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°	2728.0	100.0
0°-180°	2728.0	100.0

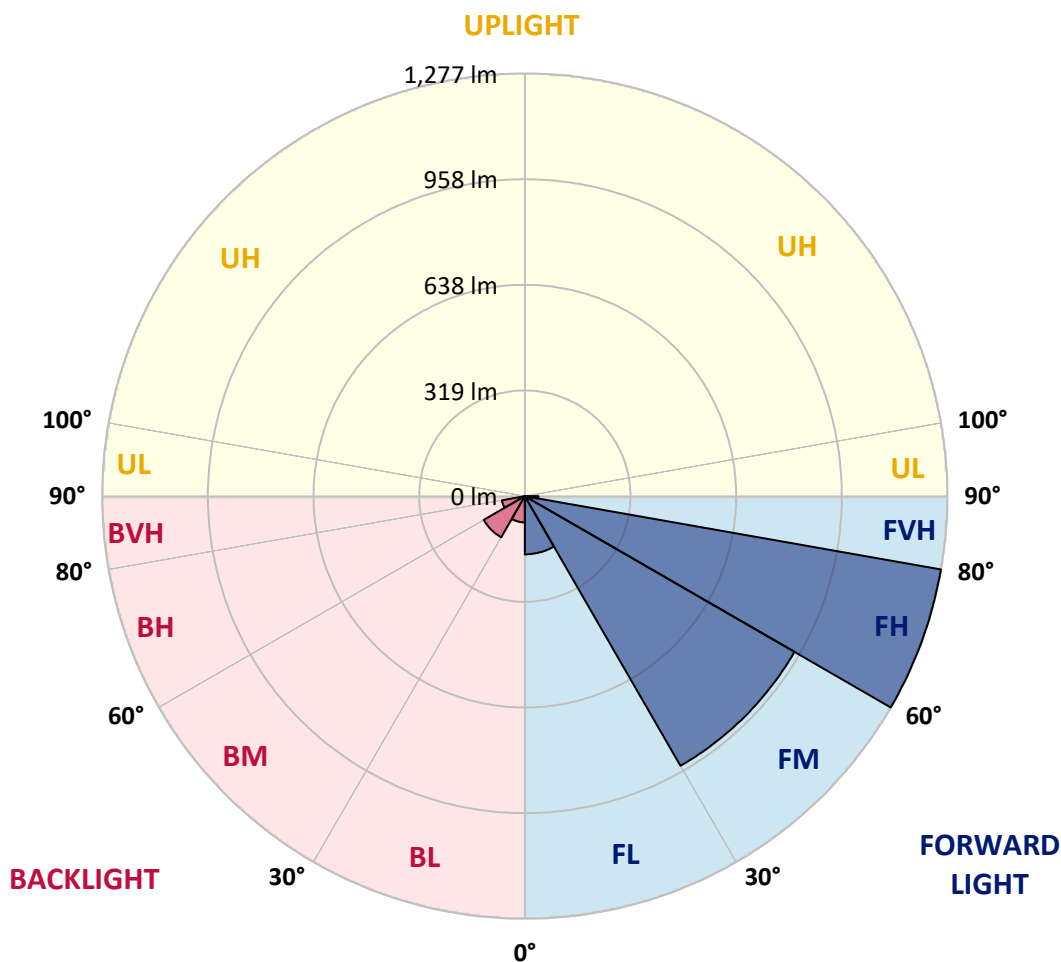


REPORT NUMBER: P676675
 CATALOG NUMBER: CCW-SA-1C-727-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	175.8	6.4			
FM (30°-60°)	940.7	34.5			
FH (60°-80°)	1277.0	46.8			G1/1800
FVH (80°-90°)	40.8	1.5			G1/100
BL (0°-30°)	79.4	2.9	B0/110		
BM (30°-60°)	143.5	5.3	B0/220		
BH (60°-80°)	70.6	2.6	B0/110		G0/110
BVH (80°-90°)	0.2	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-G1
 Type IV Medium





REPORT NUMBER: P676675

CATALOG NUMBER: CCW-SA-1C-727-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	291.6	291.6	291.6	291.6	291.6	291.6	291.6	291.6	291.6	291.6	291.6
2.5°	326.4	325.0	327.0	326.4	318.0	319.4	318.7	313.1	303.4	297.8	294.3
5°	363.9	367.4	364.6	358.4	353.5	343.7	342.4	333.3	318.0	308.3	297.8
7.5°	402.9	402.9	397.3	387.6	377.1	366.7	365.3	350.0	336.8	320.1	305.5
10°	432.1	428.6	424.5	414.0	402.2	388.3	381.3	370.2	355.6	335.4	316.6
12.5°	457.9	452.3	445.3	430.0	416.1	400.8	402.2	384.1	374.4	356.3	328.4
15°	472.5	467.6	461.3	447.4	425.9	418.9	416.1	405.0	387.6	369.5	343.1
17.5°	476.0	472.5	464.1	446.0	434.2	425.9	425.2	411.9	404.3	389.0	359.8
20°	469.0	462.7	456.5	444.6	433.5	430.7	428.6	428.6	418.9	398.7	370.2
22.5°	457.2	450.2	446.7	439.8	430.7	430.0	431.4	430.0	422.4	409.2	381.3
25°	448.1	444.6	439.1	437.0	431.4	441.9	439.8	437.7	435.6	420.3	398.7
27.5°	450.9	450.2	446.0	437.7	433.5	444.6	450.9	451.6	450.9	435.6	414.7
30°	452.3	448.8	444.6	442.6	443.9	455.1	455.1	470.4	464.1	448.8	430.7
32.5°	468.3	466.2	452.3	447.4	448.1	461.3	462.0	477.3	475.3	464.8	444.6
35°	502.4	488.5	468.3	454.4	454.4	471.8	466.2	488.5	494.0	477.3	454.4
37.5°	553.2	542.8	506.6	475.3	463.4	476.0	481.5	494.0	510.7	496.1	473.9
40°	654.1	652.0	600.5	533.0	486.4	497.5	499.6	519.1	530.2	510.1	503.8
42.5°	801.6	791.2	743.2	636.7	528.1	523.3	530.9	543.5	569.9	553.2	537.9
45°	945.7	940.8	892.8	773.8	604.0	574.8	570.6	592.9	631.8	613.7	601.9
47.5°	1050.0	1040.3	1013.1	912.9	715.3	635.3	638.1	660.4	709.8	695.8	699.3
50°	1130.0	1125.2	1096.6	1041.7	855.9	730.6	725.1	747.3	814.1	823.2	832.9
52.5°	1217.7	1226.8	1188.5	1141.9	1022.2	858.7	846.1	853.8	940.1	961.0	988.1
55°	1301.9	1316.5	1278.3	1272.0	1196.2	1000.6	998.5	980.4	1091.8	1094.6	1109.2
57.5°	1356.9	1352.0	1349.2	1383.3	1370.1	1163.4	1153.0	1134.9	1235.8	1217.7	1261.6
60°	1361.1	1375.0	1421.6	1505.8	1529.5	1354.8	1339.5	1290.1	1360.4	1317.2	1400.7
62.5°	1392.4	1403.5	1489.8	1606.0	1636.6	1523.2	1533.6	1408.4	1466.8	1432.7	1555.2
65°	1313.1	1347.8	1521.1	1683.9	1777.2	1693.7	1683.2	1560.8	1576.1	1544.1	1707.6
67.5°	1241.4	1254.6	1435.5	1707.6	1888.5	1864.9	1860.7	1695.8	1688.8	1629.7	1750.7
70°	1009.0	1025.0	1203.8	1586.5	1926.1	2064.6	2054.8	1885.0	1765.4	1583.0	1529.5
72.5°	578.2	610.3	834.3	1221.9	1730.6	2120.2	2129.3	1915.7	1674.9	1331.1	1021.5
75°	189.3	198.3	346.5	692.4	1294.3	1849.5	1833.5	1646.4	1351.3	878.8	461.3
77.5°	64.0	65.4	102.3	250.5	717.4	1249.7	1258.8	1176.7	830.1	365.3	127.3
80°	32.7	34.8	50.1	93.9	295.0	680.5	695.1	670.8	347.9	107.9	30.6
82.5°	15.3	16.0	29.2	52.2	135.0	267.2	267.2	293.6	123.2	60.5	12.5
85°	5.6	5.6	15.3	29.9	57.1	89.1	89.8	90.5	64.7	45.2	5.6
87.5°	2.1	2.1	7.7	12.5	20.9	27.1	27.1	21.6	32.7	29.9	2.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P676675

CATALOG NUMBER: CCW-SA-1C-727-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	291.6	291.6	291.6	291.6	291.6	291.6	291.6	291.6	291.6	291.6	291.6
2.5°	292.9	288.8	285.3	280.4	274.2	270.7	271.4	267.2	267.2	265.1	264.4
5°	292.9	288.8	279.7	271.4	265.8	258.9	255.4	252.6	252.6	251.2	251.9
7.5°	295.0	288.8	276.2	265.1	256.1	249.1	243.5	242.8	241.5	238.0	240.8
10°	307.6	298.5	277.6	262.3	251.9	244.2	234.5	231.7	227.5	221.3	222.0
12.5°	318.0	306.2	287.4	266.5	253.3	240.8	218.5	194.1	183.7	172.6	173.3
15°	333.3	316.6	290.9	272.1	253.3	212.9	172.6	141.3	124.6	116.2	116.2
17.5°	341.7	327.7	300.6	275.6	233.1	173.3	122.5	95.3	92.5	93.9	93.9
20°	359.1	340.3	311.7	278.3	199.7	123.2	89.8	87.0	88.4	91.2	90.5
22.5°	370.2	351.4	320.1	265.8	154.5	88.4	84.2	82.8	84.2	87.7	87.7
25°	379.2	367.4	333.3	235.2	109.2	80.0	78.6	80.0	81.4	82.8	84.9
27.5°	401.5	381.3	342.4	195.5	78.6	74.5	75.8	76.5	76.5	78.6	79.3
30°	416.1	400.1	349.3	151.0	69.6	68.9	70.3	71.0	71.7	73.8	74.5
32.5°	430.0	424.5	340.3	102.3	65.4	64.0	63.3	64.0	66.8	68.9	68.2
35°	450.2	446.7	327.0	71.0	61.2	58.5	57.1	57.8	59.8	61.9	61.2
37.5°	474.6	478.0	295.0	61.9	57.1	53.6	50.8	50.8	51.5	53.6	54.3
40°	503.1	512.1	257.5	57.8	54.3	50.1	47.3	43.8	43.1	42.4	43.1
42.5°	555.3	565.7	215.0	55.0	50.1	45.2	41.1	36.9	33.4	31.3	31.3
45°	628.3	620.0	159.3	52.2	48.0	41.1	34.8	29.9	25.1	23.0	23.0
47.5°	729.2	700.7	109.2	49.4	44.5	36.2	29.2	23.0	18.8	16.7	16.7
50°	869.1	775.2	71.0	46.6	42.4	31.3	23.7	16.7	13.9	13.2	13.9
52.5°	1001.3	851.0	56.4	43.1	38.3	27.1	18.1	13.9	12.5	11.8	11.8
55°	1123.1	889.3	50.1	39.7	34.8	22.3	15.3	11.8	11.1	10.4	10.4
57.5°	1226.1	902.5	43.1	34.8	27.8	17.4	12.5	10.4	9.0	8.4	8.4
60°	1315.1	906.0	33.4	27.8	20.2	13.2	10.4	9.0	7.7	6.3	6.3
62.5°	1386.1	881.6	23.7	19.5	13.9	10.4	9.0	6.3	4.2	2.8	2.1
65°	1442.5	832.9	16.0	13.2	9.0	7.7	5.6	2.8	0.7	0.0	0.0
67.5°	1376.4	722.3	12.5	9.7	6.3	4.9	2.8	0.7	0.0	0.0	0.0
70°	1122.4	560.2	9.0	6.3	4.2	1.4	0.7	0.0	0.0	0.0	0.0
72.5°	764.0	361.1	7.0	4.2	2.1	0.7	0.0	0.0	0.0	0.0	0.0
75°	343.1	129.4	4.9	2.8	0.7	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	83.5	30.6	3.5	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	22.3	7.7	2.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	8.4	2.8	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.5	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.4	0.7	0.0	0.0	0.0	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)