

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: P676813

Luminaire Tested: **CCW-SA-2B-722-U-SL2-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676813
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2B-722-U-SL2-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @450mA w/
SL2 distribution lens and House Side Shield
Light Source: (32) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

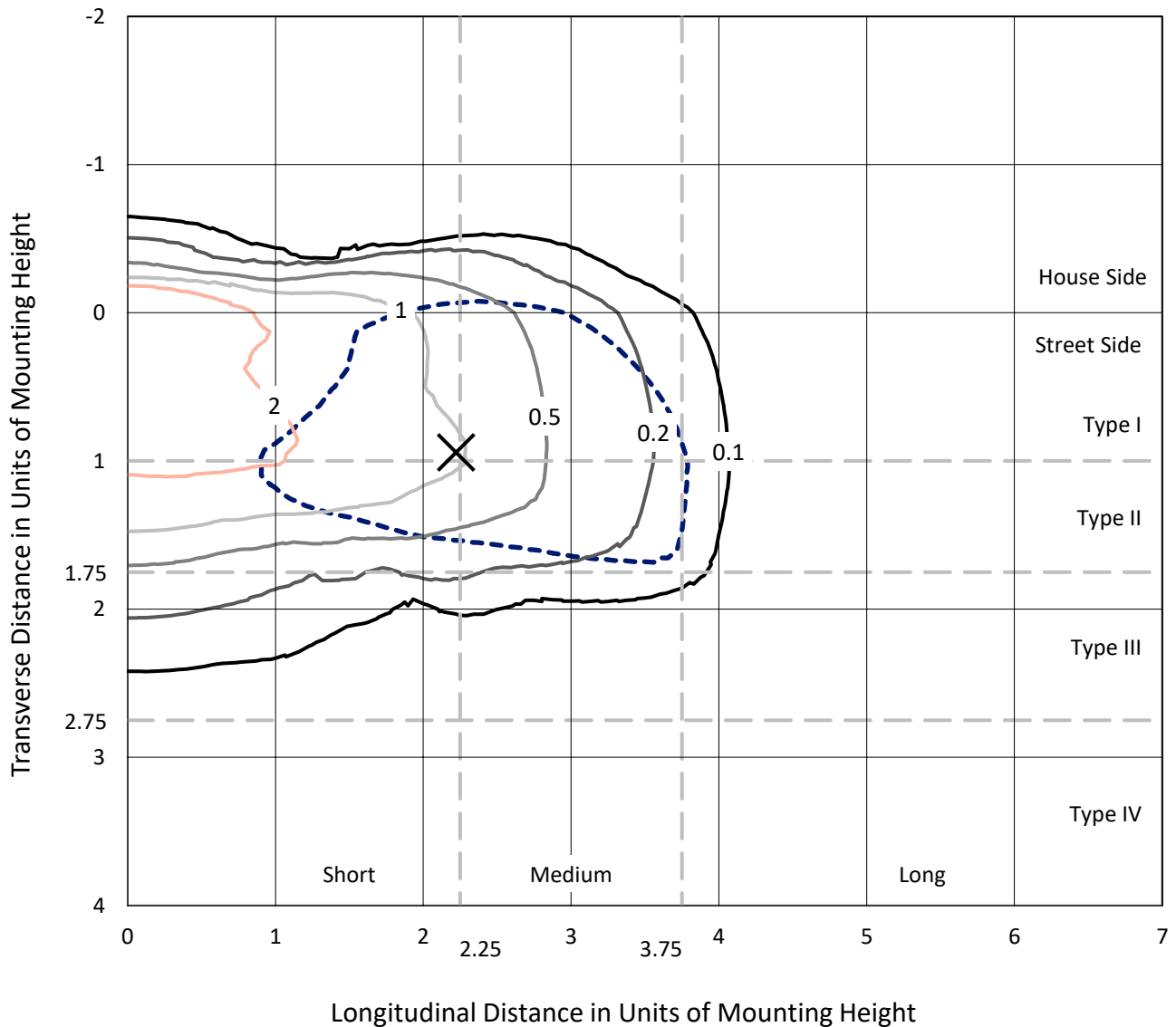
Lumens per Lamp: N/A
Luminaire Lumens: 4090.9 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 46
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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 CATALOG NUMBER: CCW-SA-2B-722-U-SL2-HSS

Iso-Footcandle Lines of Horizontal Illumination

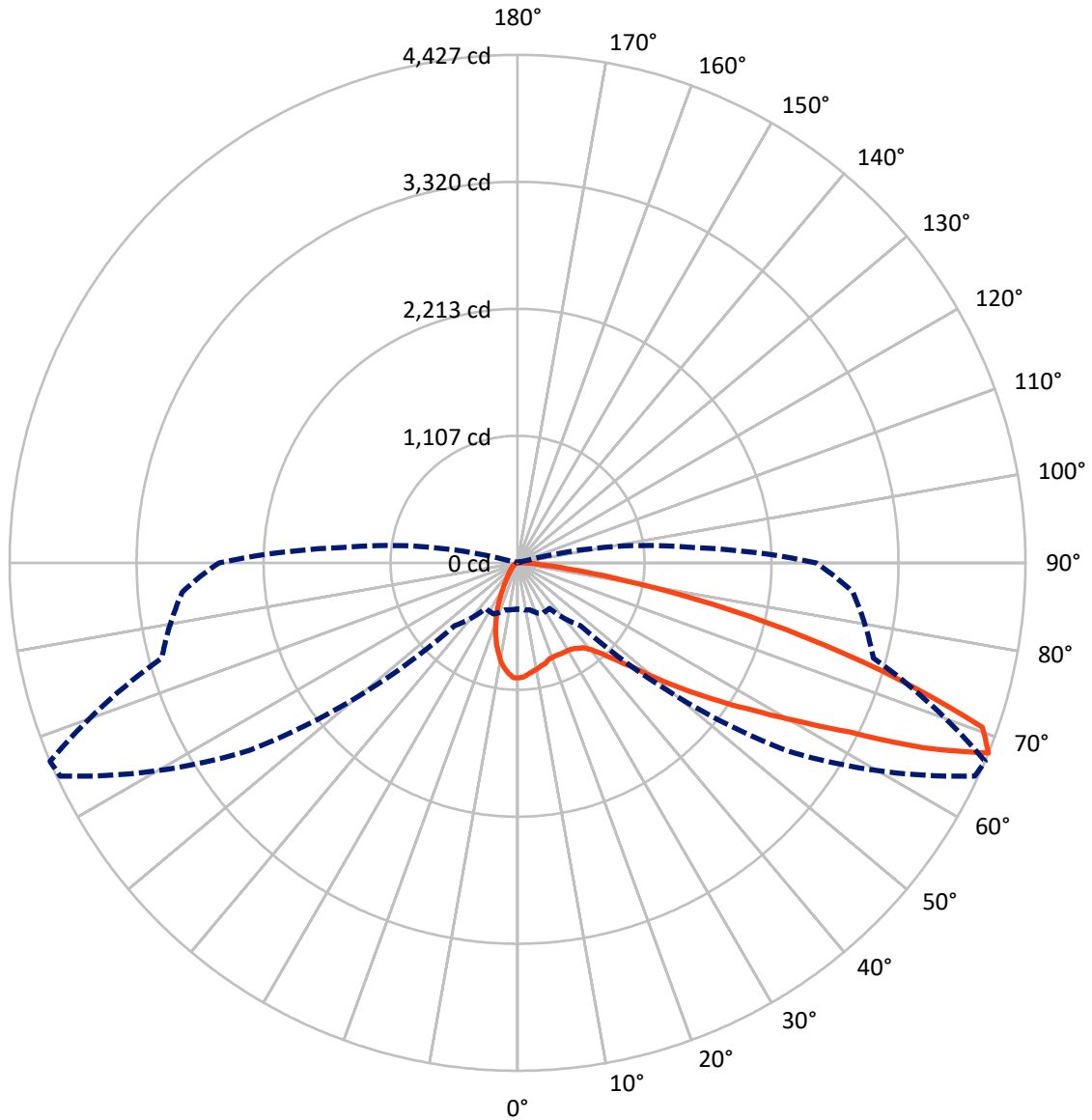
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.5 fc
 Type II - Short - N/A

REPORT NUMBER: P676813
CATALOG NUMBER: CCW-SA-2B-722-U-SL2-HSS

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	514.9	0.0	514.9
	% Fixture	12.6	0.0	12.6
Street Side	Lumens	3576.0	0.0	3576.0
	% Fixture	87.4	0.0	87.4
Total	Lumens	4090.9	0.0	4090.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.5	2.1
10°-20°	187.8	4.6
20°-30°	267.1	6.5
30°-40°	388.9	9.5
40°-50°	601.8	14.7
50°-60°	923.7	22.6
60°-70°	1001.2	24.5
70°-80°	564.9	13.8
80°-90°	71.0	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°	4090.9	100.0
0°-180°	4090.9	100.0

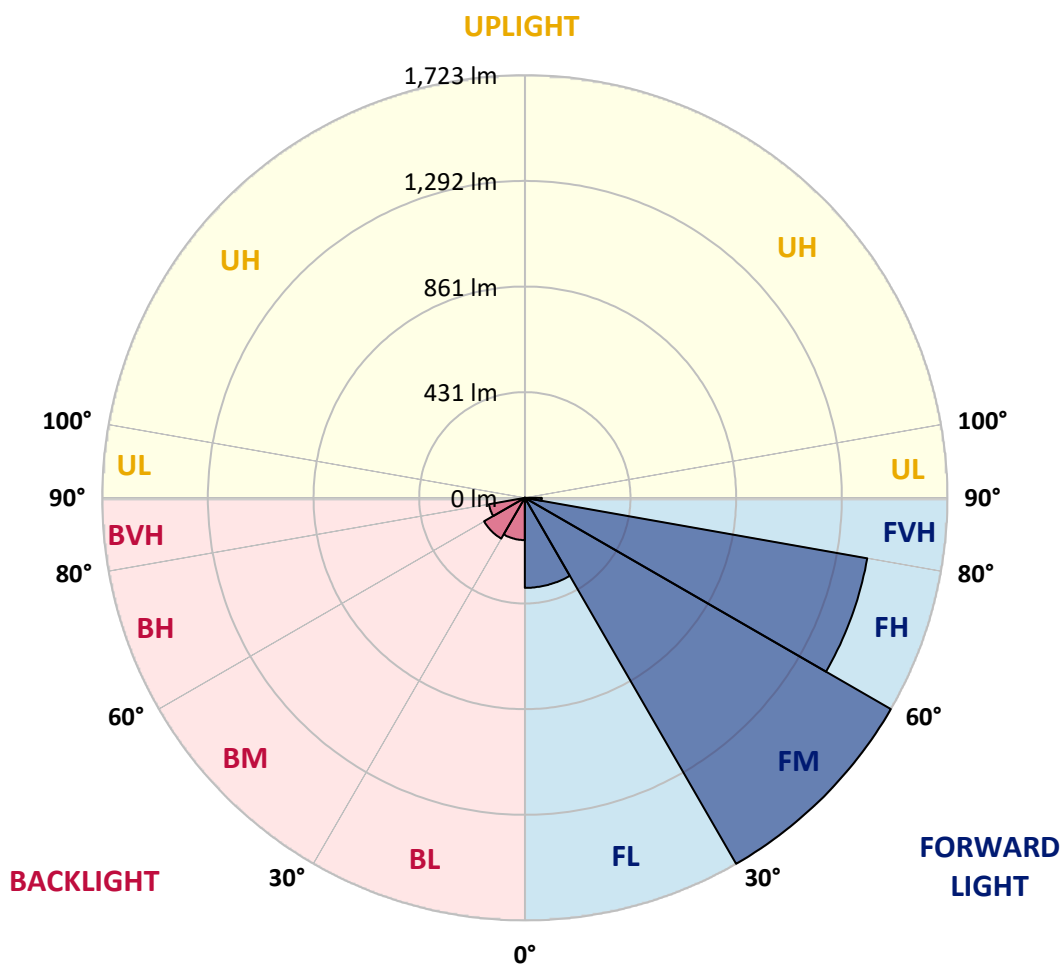


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	367.1	9.0			
FM (30°-60°)	1722.6	42.1			
FH (60°-80°)	1417.4	34.6			G1/1800
FVH (80°-90°)	68.9	1.7			G1/100
BL (0°-30°)	172.3	4.2	B1/500		
BM (30°-60°)	191.8	4.7	B0/220		
BH (60°-80°)	148.7	3.6	B1/500		G1/500
BVH (80°-90°)	2.0	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°	1003.4	1003.4	1003.4	1003.4	1003.4	1003.4	1003.4	1003.4	1003.4	1003.4	1003.4
2.5°	960.0	965.0	971.9	981.7	988.6	984.7	987.6	1004.4	995.5	1003.4	999.5
5°	906.8	911.7	921.6	920.6	928.5	943.3	963.0	984.7	974.8	998.5	1007.3
7.5°	851.6	849.6	849.6	870.3	887.1	907.8	918.6	954.1	955.1	975.8	997.5
10°	801.3	807.3	817.1	825.0	840.8	870.3	901.9	929.5	940.3	981.7	987.6
12.5°	770.8	773.7	785.6	792.5	813.2	841.8	875.3	910.8	919.6	962.0	990.6
15°	758.0	764.9	768.8	781.6	792.5	819.1	843.7	884.1	909.8	943.3	978.8
17.5°	767.8	764.9	766.8	770.8	783.6	807.3	833.9	874.3	883.2	939.3	992.6
20°	780.6	781.6	775.7	773.7	770.8	793.5	815.1	867.4	877.2	939.3	1001.4
22.5°	815.1	804.3	815.1	799.4	783.6	793.5	814.2	868.4	875.3	938.4	1010.3
25°	857.5	859.5	862.5	828.9	806.3	799.4	821.1	871.3	877.2	946.2	1014.2
27.5°	917.7	926.5	911.7	895.0	849.6	815.1	820.1	869.4	880.2	942.3	1024.1
30°	998.5	991.6	993.5	955.1	910.8	856.5	842.7	874.3	882.2	947.2	1042.8
32.5°	1068.5	1060.6	1074.4	1060.6	990.6	915.7	869.4	884.1	893.0	959.1	1058.6
35°	1111.8	1121.7	1143.4	1158.2	1099.0	992.6	913.7	910.8	914.7	965.0	1070.4
37.5°	1178.9	1196.6	1214.3	1251.8	1200.5	1087.2	983.7	945.3	938.4	993.5	1076.3
40°	1251.8	1246.9	1299.1	1343.5	1341.5	1220.3	1081.3	1006.4	996.5	1038.9	1115.8
42.5°	1312.9	1308.0	1366.1	1439.1	1447.0	1348.4	1192.7	1093.1	1084.2	1108.9	1164.1
45°	1392.7	1396.7	1465.7	1552.4	1581.0	1517.9	1343.5	1217.3	1212.4	1204.5	1255.7
47.5°	1463.7	1485.4	1544.5	1647.0	1750.5	1693.4	1520.9	1398.7	1364.2	1346.4	1397.7
50°	1513.0	1532.7	1604.7	1714.1	1903.3	1939.8	1720.0	1591.8	1592.8	1549.5	1577.1
52.5°	1513.0	1512.0	1570.2	1714.1	2009.8	2197.0	1986.1	1835.3	1843.2	1797.9	1799.8
55°	1367.1	1364.2	1435.1	1587.9	1997.9	2444.4	2389.2	2143.8	2124.1	2036.4	2045.3
57.5°	1101.0	1107.9	1162.1	1345.4	1844.2	2559.8	2869.3	2490.8	2423.7	2242.4	2242.4
60°	803.3	797.4	837.8	966.0	1477.5	2516.4	3263.5	2899.8	2794.4	2412.9	2387.3
62.5°	611.1	610.1	621.0	664.3	937.4	2194.1	3433.1	3420.3	3248.7	2580.5	2544.0
65°	493.8	495.8	510.6	541.1	572.7	1496.2	3343.4	4041.2	3884.5	2829.8	2710.6
67.5°	403.1	408.1	425.8	491.8	484.9	774.7	2847.6	4397.0	4426.6	3210.3	2934.3
70°	310.5	318.4	339.1	432.7	467.2	515.5	1974.3	4219.6	4298.5	3446.9	2799.3
72.5°	210.9	209.9	254.3	350.9	472.1	472.1	1099.0	3398.6	3473.5	3177.8	2431.6
75°	114.3	121.2	168.5	265.1	432.7	456.4	625.9	2486.8	2592.3	2471.1	1880.6
77.5°	62.1	63.1	93.6	173.5	359.8	435.7	417.9	1691.4	1732.8	1490.3	1030.0
80°	32.5	33.5	49.3	113.4	248.4	404.1	347.9	1008.3	968.9	571.7	340.1
82.5°	14.8	15.8	24.6	71.0	158.7	318.4	300.6	486.9	449.5	159.7	103.5
85°	5.9	5.9	10.8	42.4	92.7	156.7	257.3	244.4	204.0	48.3	51.3
87.5°	2.0	2.0	3.0	16.8	37.5	93.6	137.0	129.1	88.7	17.7	27.6
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: P676813
 CATALOG NUMBER: CCW-SA-2B-722-U-SL2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1003.4	1003.4	1003.4	1003.4	1003.4	1003.4	1003.4	1003.4	1003.4	1003.4	1003.4
2.5°	995.5	1006.4	1003.4	1001.4	982.7	980.7	978.8	961.0	966.9	952.2	962.0
5°	1001.4	1007.3	991.6	962.0	935.4	905.8	883.2	867.4	838.8	828.0	826.0
7.5°	995.5	995.5	963.0	915.7	863.4	815.1	754.0	710.7	678.1	653.5	662.4
10°	987.6	975.8	942.3	858.5	763.9	691.0	603.2	539.2	490.9	475.1	465.2
12.5°	987.6	966.9	892.0	777.7	655.5	545.1	440.6	356.8	310.5	282.9	278.9
15°	978.8	948.2	855.6	701.8	550.0	400.2	280.9	209.0	169.5	158.7	154.7
17.5°	980.7	944.3	801.3	612.1	426.8	266.1	171.5	132.1	122.2	117.3	118.3
20°	984.7	944.3	753.0	524.4	307.5	165.6	118.3	111.4	106.5	104.5	105.5
22.5°	997.5	925.5	703.8	434.7	208.0	119.3	104.5	97.6	93.6	90.7	89.7
25°	999.5	922.6	656.5	346.0	142.9	100.5	91.7	83.8	78.9	74.9	73.9
27.5°	996.5	909.8	590.4	257.3	107.4	89.7	77.9	70.0	63.1	60.1	59.1
30°	1007.3	886.1	534.2	185.3	90.7	77.9	66.0	57.2	51.3	47.3	47.3
32.5°	1008.3	865.4	472.1	132.1	82.8	69.0	56.2	46.3	40.4	38.4	38.4
35°	1009.3	846.7	403.1	100.5	73.9	59.1	46.3	38.4	34.5	31.5	31.5
37.5°	1012.3	832.9	340.1	84.8	66.0	50.3	38.4	31.5	27.6	26.6	26.6
40°	1018.2	814.2	274.0	74.9	57.2	42.4	32.5	26.6	22.7	21.7	20.7
42.5°	1034.0	809.2	218.8	67.0	51.3	35.5	26.6	21.7	18.7	16.8	15.8
45°	1099.0	822.0	169.5	62.1	43.4	29.6	22.7	17.7	13.8	12.8	11.8
47.5°	1205.5	864.4	134.1	55.2	36.5	24.6	18.7	13.8	10.8	9.9	8.9
50°	1367.1	961.0	109.4	49.3	30.6	20.7	14.8	10.8	7.9	6.9	6.9
52.5°	1579.0	1091.1	94.6	43.4	24.6	17.7	11.8	7.9	5.9	4.9	4.9
55°	1795.9	1244.9	88.7	37.5	20.7	14.8	8.9	5.9	3.9	3.0	3.0
57.5°	1995.0	1344.4	85.8	30.6	17.7	10.8	6.9	3.9	2.0	1.0	1.0
60°	2119.2	1417.4	76.9	24.6	13.8	8.9	4.9	2.0	1.0	0.0	0.0
62.5°	2282.8	1491.3	63.1	18.7	9.9	5.9	3.0	1.0	0.0	0.0	0.0
65°	2498.7	1574.1	49.3	14.8	7.9	3.9	2.0	1.0	0.0	0.0	0.0
67.5°	2602.2	1530.7	33.5	10.8	4.9	2.0	1.0	0.0	0.0	0.0	0.0
70°	2395.2	1289.2	23.7	7.9	3.0	1.0	1.0	0.0	0.0	0.0	0.0
72.5°	2013.7	1010.3	17.7	4.9	2.0	1.0	0.0	0.0	0.0	0.0	0.0
75°	1484.4	631.8	13.8	3.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	787.5	235.6	9.9	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	232.6	69.0	6.9	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	76.9	20.7	3.9	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	39.4	7.9	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	22.7	3.0	2.0	2.0	1.0	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)