

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: P676490

Luminaire Tested: **CCW-SA-2A-840-U-T3-HSS**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P676490
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2A-840-U-T3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @350mA w/
T3 distribution lens and House Side Shield
Light Source: (32) 4000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

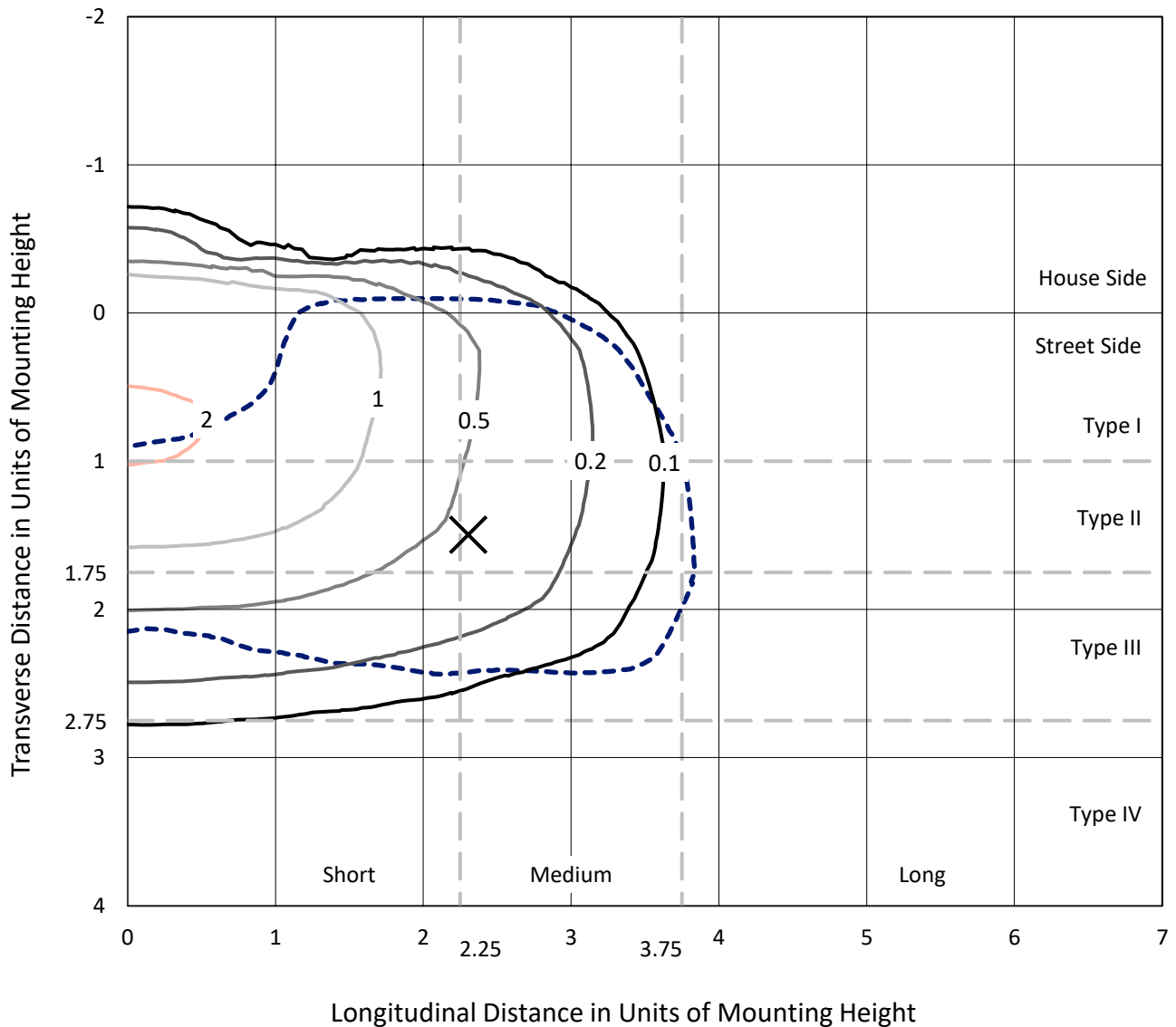
Lumens per Lamp: N/A
Luminaire Lumens: 3360.8 lumens
Efficiency: N/A
Efficacy: 92.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 36.2
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: P676490
 CATALOG NUMBER: CCW-SA-2A-840-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

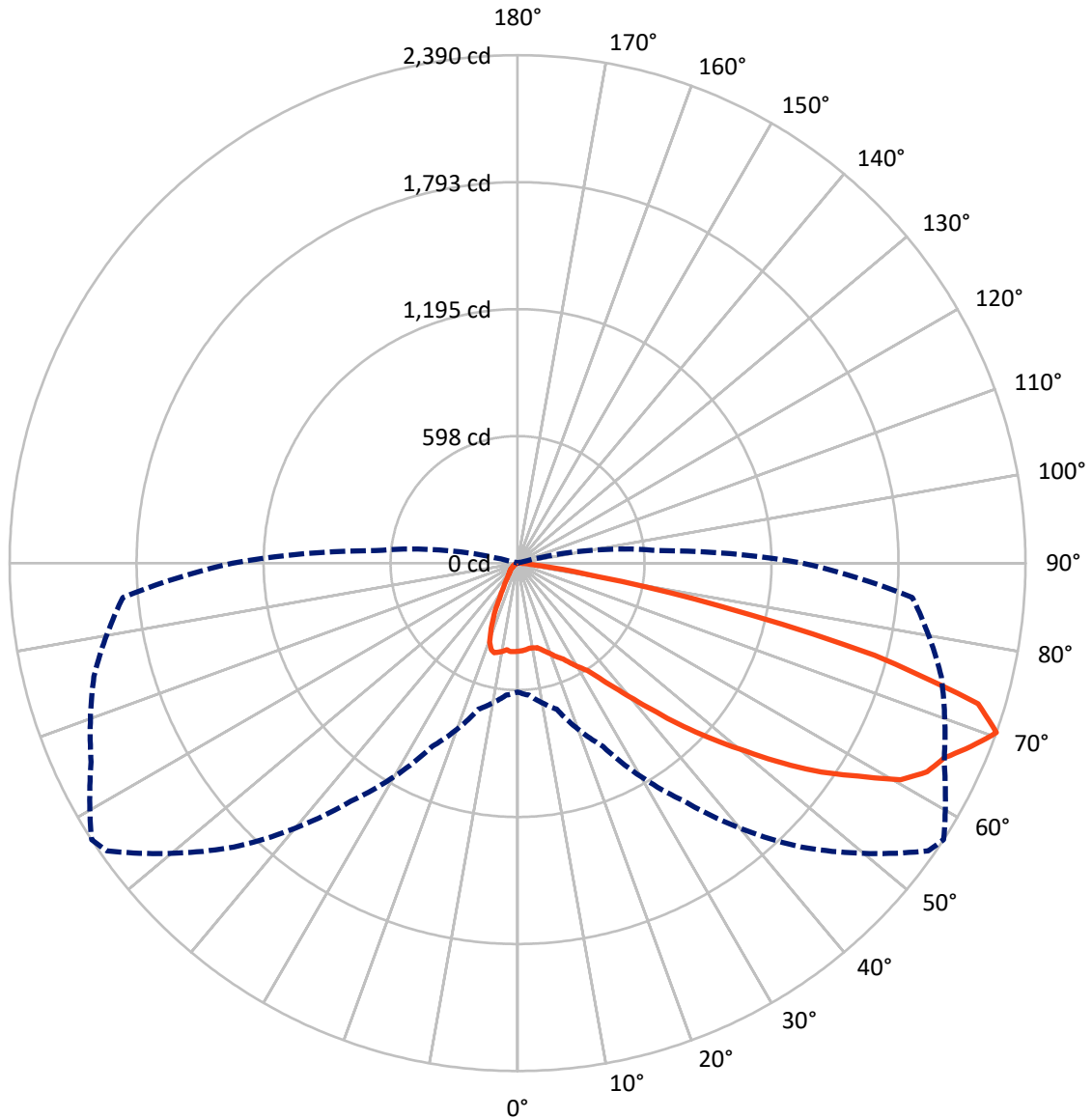
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.4 fc
 Type III - Medium - N/A

REPORT NUMBER: P676490
CATALOG NUMBER: CCW-SA-2A-840-U-T3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P676490

CATALOG NUMBER: CCW-SA-2A-840-U-T3-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	396.2	0.0	396.2
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	2964.6	0.0	2964.6
	% Fixture	88.2	0.0	88.2
Total	Lumens	3360.8	0.0	3360.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.8	1.2
10°-20°	108.3	3.2
20°-30°	182.5	5.4
30°-40°	312.3	9.3
40°-50°	524.5	15.6
50°-60°	805.0	24.0
60°-70°	929.5	27.7
70°-80°	439.0	13.1
80°-90°	20.8	0.6
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°	3360.8	100.0
0°-180°	3360.8	100.0

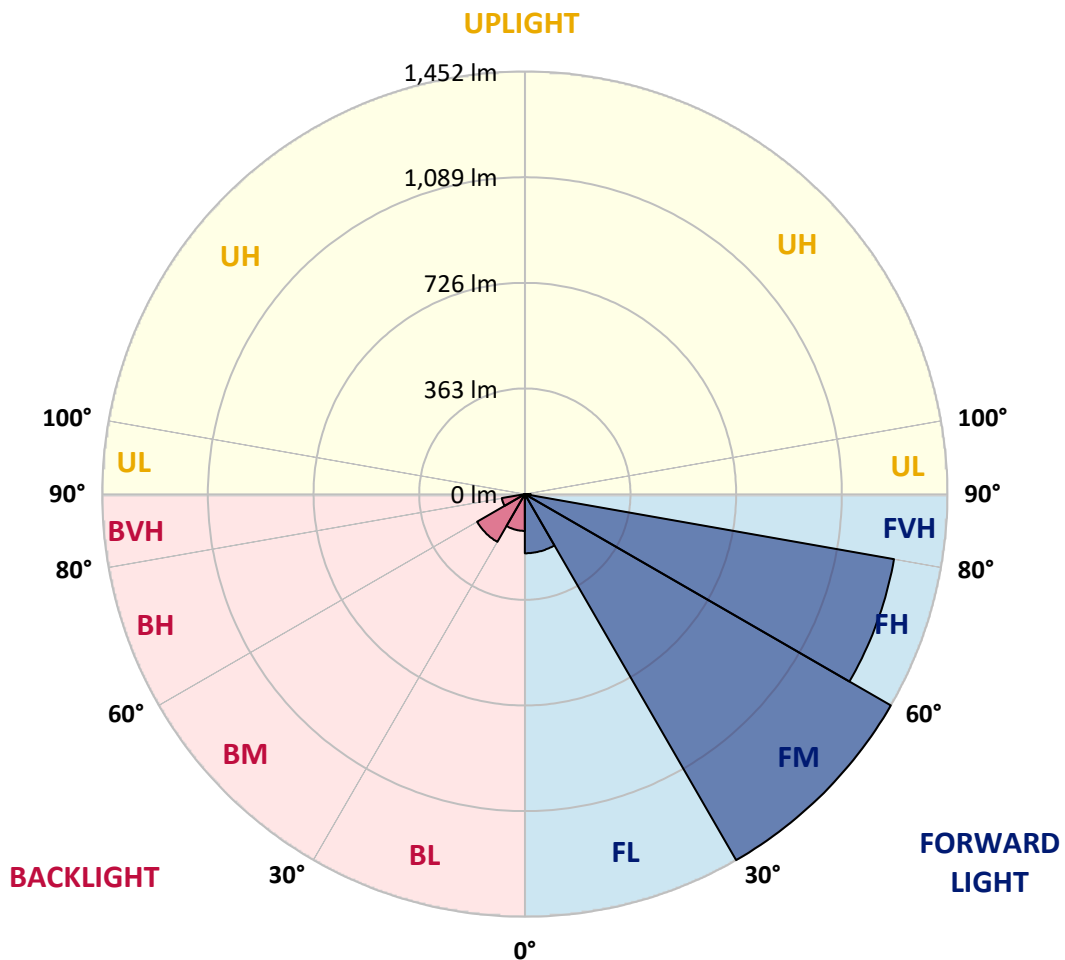


REPORT NUMBER: P676490
 CATALOG NUMBER: CCW-SA-2A-840-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	203.3	6.0			
FM (30°-60°)	1452.5	43.2			
FH (60°-80°)	1288.4	38.3			G1/1800
FVH (80°-90°)	20.5	0.6			G1/100
BL (0°-30°)	126.3	3.8	B1/500		
BM (30°-60°)	189.4	5.6	B0/220		
BH (60°-80°)	80.1	2.4	B0/110		G0/110
BVH (80°-90°)	0.4	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 III Medium





REPORT NUMBER: P676490
 CATALOG NUMBER: CCW-SA-2A-840-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	414.7	414.7	414.7	414.7	414.7	414.7	414.7	414.7	414.7	414.7	414.7
2.5°	408.7	406.1	408.7	412.1	408.7	411.2	410.4	413.0	409.5	409.5	412.1
5°	382.1	386.3	388.1	392.4	396.6	404.4	409.5	409.5	414.7	417.3	420.7
7.5°	372.6	365.7	372.6	376.0	380.3	393.2	400.9	404.4	411.2	420.7	425.8
10°	358.9	364.0	364.0	375.2	381.2	388.9	402.7	405.2	420.7	430.1	435.3
12.5°	358.0	358.0	362.3	370.0	382.1	396.6	413.8	408.7	425.0	442.2	450.7
15°	360.6	366.6	366.6	376.9	386.3	407.0	421.5	422.4	445.6	462.8	470.5
17.5°	371.8	369.2	372.6	378.6	393.2	413.0	437.0	439.6	466.2	489.4	500.5
20°	394.9	399.2	394.1	390.6	396.6	422.4	453.3	458.5	488.5	510.8	522.0
22.5°	481.6	478.2	457.6	433.6	423.3	435.3	468.8	480.8	516.0	542.6	552.0
25°	579.5	573.5	549.5	513.4	466.2	461.0	499.7	499.7	550.3	579.5	576.9
27.5°	672.2	670.5	642.2	604.4	537.5	500.5	524.6	534.0	589.0	613.0	601.8
30°	766.7	768.4	742.6	697.1	626.7	564.1	559.8	567.5	618.2	655.9	632.8
32.5°	876.6	861.1	843.1	780.4	716.0	645.6	605.3	601.8	650.8	685.1	654.2
35°	974.5	965.0	945.3	888.6	814.8	730.6	674.0	665.4	692.0	737.5	704.0
37.5°	1060.3	1050.9	1025.1	987.3	929.8	836.2	756.4	743.5	754.7	802.7	762.4
40°	1134.1	1136.7	1129.8	1092.9	1039.7	954.7	862.8	842.2	832.8	875.7	830.2
42.5°	1187.4	1212.3	1214.0	1168.5	1125.6	1079.2	976.2	959.9	937.5	973.6	941.8
45°	1299.0	1285.2	1293.8	1277.5	1230.3	1223.4	1106.7	1097.2	1066.3	1078.3	1044.9
47.5°	1386.6	1384.0	1400.3	1373.7	1360.8	1361.7	1255.2	1238.9	1195.1	1217.4	1179.6
50°	1437.2	1423.5	1482.7	1503.3	1500.7	1511.0	1405.4	1391.7	1349.6	1382.3	1301.6
52.5°	1449.2	1474.1	1529.9	1604.6	1636.4	1657.9	1569.4	1564.3	1518.8	1539.4	1427.8
55°	1479.3	1503.3	1535.9	1658.7	1776.3	1781.5	1730.8	1736.0	1695.6	1690.5	1548.0
57.5°	1478.4	1473.3	1563.4	1705.9	1869.1	1942.9	1915.4	1890.5	1846.7	1796.1	1625.2
60°	1424.3	1421.8	1515.3	1711.9	1919.7	2088.8	2100.0	2070.8	1960.9	1886.2	1716.2
62.5°	1317.0	1327.3	1421.8	1660.4	1967.8	2141.2	2182.4	2162.7	2026.2	1946.3	1823.6
65°	1194.2	1172.8	1282.7	1531.7	1859.6	2125.8	2215.1	2208.2	2103.4	2011.6	1922.3
67.5°	958.1	967.6	1051.7	1317.9	1675.0	2069.1	2291.5	2301.8	2165.3	2069.1	1952.3
70°	607.0	624.2	711.7	952.1	1367.7	1890.5	2360.1	2390.2	2214.2	2063.9	1864.8
72.5°	176.9	183.7	303.1	474.8	871.4	1516.2	2250.3	2265.7	2118.9	1873.4	1442.4
75°	58.4	61.8	89.3	154.5	341.7	783.9	1662.1	1735.1	1686.2	1358.2	825.1
77.5°	38.6	40.4	48.9	73.8	129.6	245.5	891.2	969.3	950.4	636.2	266.1
80°	28.3	29.2	36.1	49.8	79.0	88.4	328.8	380.3	367.5	146.0	53.2
82.5°	18.0	18.0	26.6	35.2	49.8	43.8	95.3	105.6	103.0	55.8	20.6
85°	12.0	12.9	19.7	27.5	27.5	20.6	27.5	31.8	34.3	30.0	9.4
87.5°	3.4	4.3	11.2	18.9	11.2	10.3	9.4	10.3	12.0	16.3	5.2
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: P676490
 CATALOG NUMBER: CCW-SA-2A-840-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	414.7	414.7	414.7	414.7	414.7	414.7	414.7	414.7	414.7	414.7	414.7
2.5°	414.7	418.1	417.3	419.0	416.4	413.8	416.4	416.4	416.4	413.8	412.1
5°	418.1	416.4	418.1	414.7	418.1	414.7	413.0	407.8	407.0	407.0	410.4
7.5°	423.3	425.0	417.3	417.3	409.5	411.2	407.0	407.8	406.1	403.5	401.8
10°	431.0	437.9	430.1	427.6	419.0	412.1	401.8	396.6	396.6	393.2	396.6
12.5°	452.5	449.9	445.6	437.0	426.7	413.0	388.1	363.2	342.6	327.1	334.8
15°	469.6	468.8	462.8	446.4	432.7	390.6	328.0	263.6	229.2	213.8	211.2
17.5°	496.2	493.7	483.4	461.9	416.4	323.7	224.9	170.9	137.4	129.6	127.1
20°	521.1	520.3	498.0	470.5	375.2	236.1	146.8	112.5	103.0	103.9	102.2
22.5°	547.8	543.5	516.8	460.2	298.8	157.1	104.7	100.5	97.0	96.2	97.9
25°	577.8	562.3	535.7	437.0	219.8	108.2	98.7	95.3	91.9	91.0	91.0
27.5°	589.8	579.5	544.3	381.2	139.1	94.4	92.7	88.4	84.1	81.6	80.7
30°	617.3	600.1	552.9	299.6	98.7	86.7	84.1	79.0	73.0	68.7	68.7
32.5°	644.8	624.2	553.8	209.5	82.4	78.1	73.8	67.0	59.2	54.9	55.8
35°	679.1	650.8	544.3	135.7	73.8	68.7	60.1	52.4	45.5	42.1	42.1
37.5°	737.5	710.9	505.7	89.3	67.0	58.4	49.8	41.2	35.2	32.6	32.6
40°	811.3	777.0	452.5	70.4	59.2	49.8	39.5	31.8	28.3	25.8	25.8
42.5°	899.8	856.8	373.5	62.7	52.4	41.2	30.9	24.9	21.5	21.5	20.6
45°	988.2	917.8	292.8	57.5	46.4	34.3	24.0	19.7	18.0	17.2	17.2
47.5°	1114.4	991.6	209.5	52.4	40.4	26.6	19.7	16.3	14.6	13.7	14.6
50°	1235.5	1061.2	148.5	47.2	33.5	21.5	16.3	14.6	12.9	12.0	12.0
52.5°	1341.9	1109.2	103.9	41.2	28.3	18.0	14.6	12.9	12.0	11.2	11.2
55°	1400.3	1092.9	71.3	35.2	23.2	15.5	12.9	11.2	10.3	9.4	9.4
57.5°	1460.4	1047.4	54.1	29.2	18.9	14.6	12.0	10.3	9.4	8.6	8.6
60°	1511.0	1013.9	42.1	23.2	15.5	12.0	10.3	8.6	7.7	6.9	6.0
62.5°	1513.6	947.0	30.9	17.2	12.0	10.3	8.6	6.9	4.3	3.4	2.6
65°	1523.9	876.6	22.3	12.9	8.6	7.7	6.0	3.4	1.7	0.0	0.0
67.5°	1487.9	793.3	18.0	9.4	6.0	4.3	2.6	0.9	0.0	0.0	0.0
70°	1341.1	669.7	13.7	6.9	4.3	2.6	0.9	0.0	0.0	0.0	0.0
72.5°	959.9	435.3	9.4	5.2	1.7	0.9	0.0	0.0	0.0	0.0	0.0
75°	511.7	185.4	6.9	3.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	160.5	47.2	4.3	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0
80°	35.2	12.9	2.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	12.0	5.2	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.3	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.7	0.9	0.9	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)