

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: P676464

Luminaire Tested: **CCW-SA-1C-830-U-T3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676464
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-830-U-T3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
T3 distribution lens and House Side Shield
Light Source: (16) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

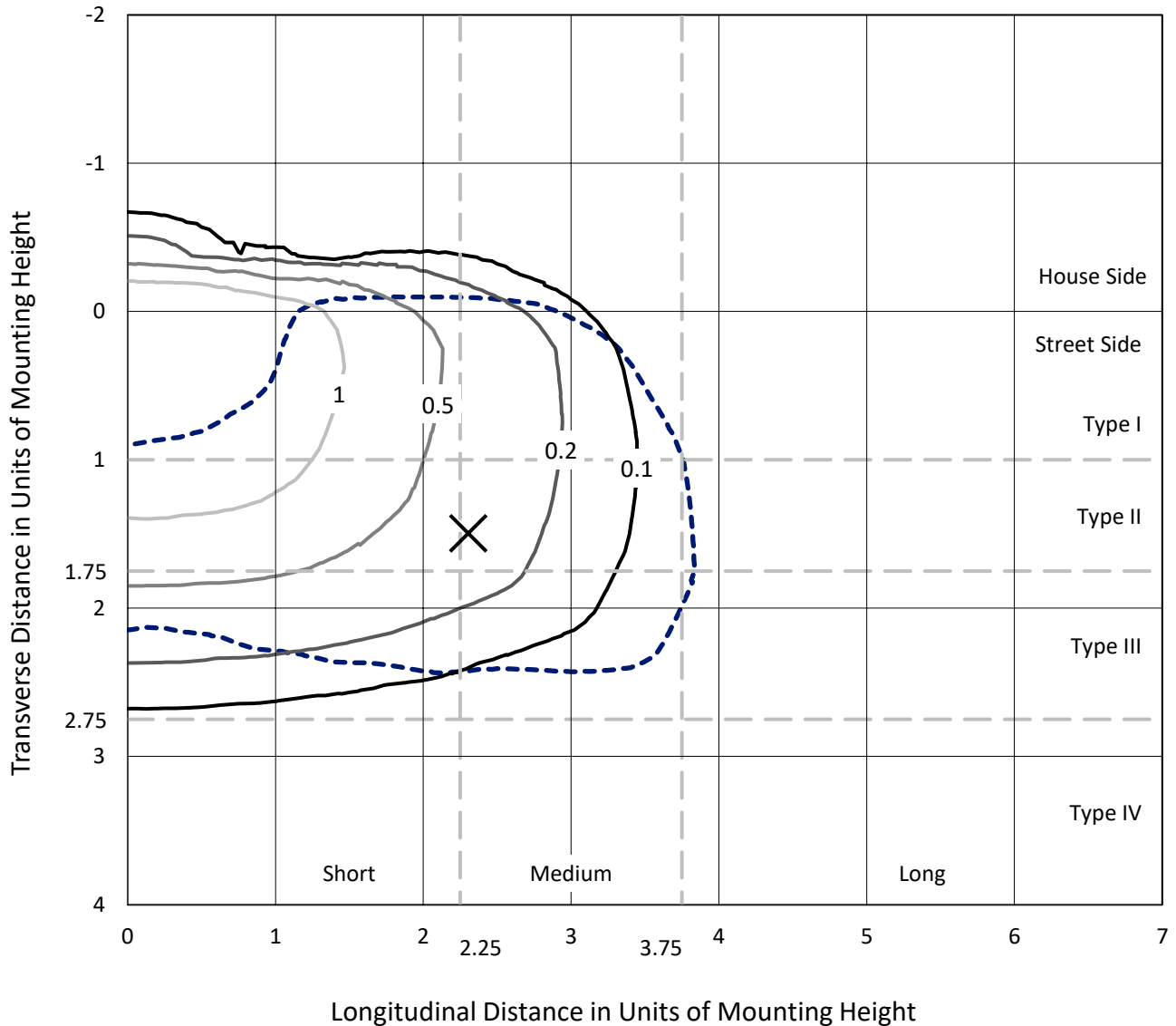
Lumens per Lamp: N/A
Luminaire Lumens: 2588.2 lumens
Efficiency: N/A
Efficacy: 80.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - U0 - G1

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: P676464
 CATALOG NUMBER: CCW-SA-1C-830-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

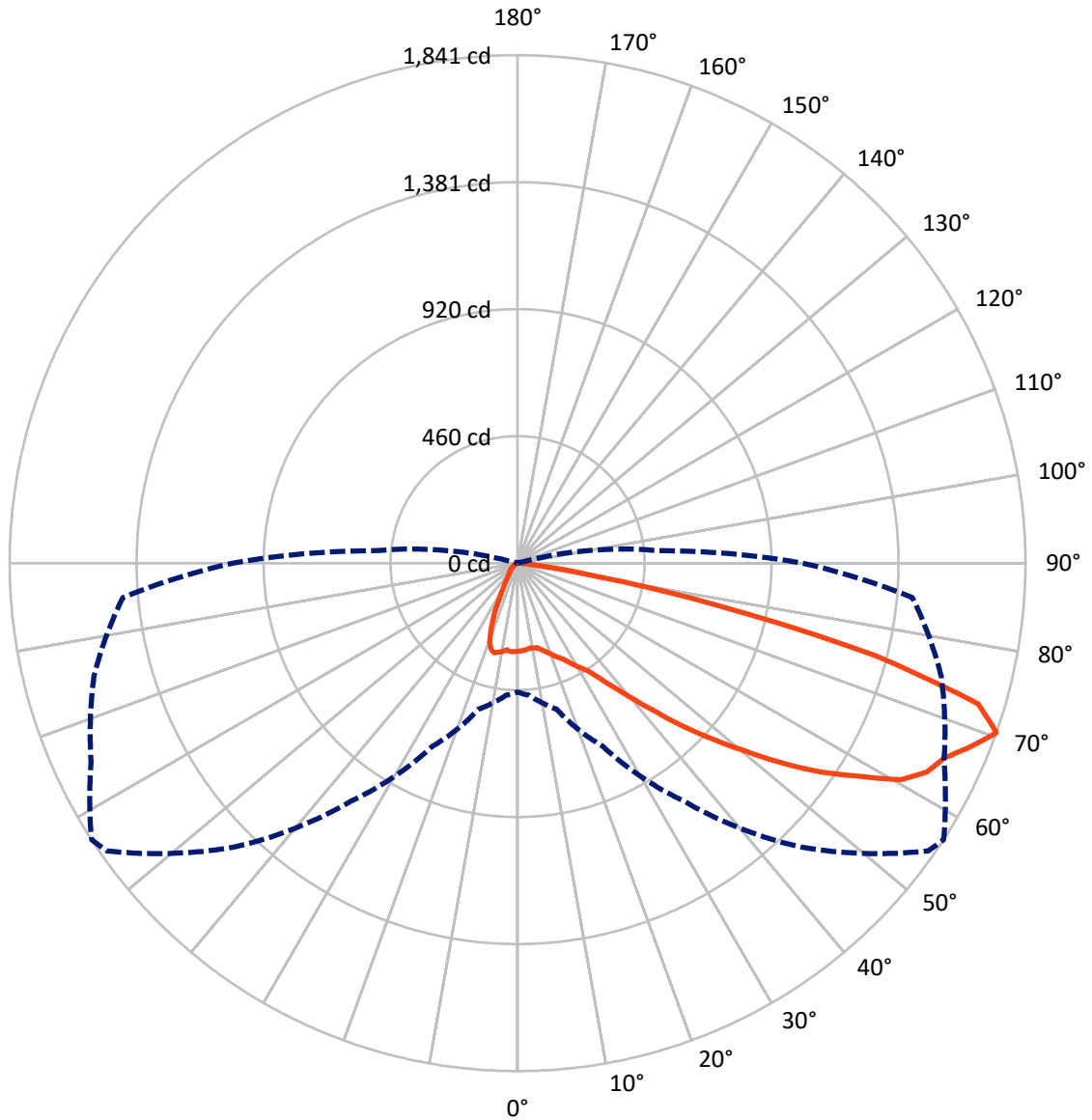
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.8 fc
 Type III - Medium - N/A

REPORT NUMBER: P676464
CATALOG NUMBER: CCW-SA-1C-830-U-T3-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P676464

CATALOG NUMBER: CCW-SA-1C-830-U-T3-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	305.1	0.0	305.1
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	2283.1	0.0	2283.1
	% Fixture	88.2	0.0	88.2
Total	Lumens	2588.2	0.0	2588.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.9	1.2
10°-20°	83.4	3.2
20°-30°	140.5	5.4
30°-40°	240.5	9.3
40°-50°	403.9	15.6
50°-60°	620.0	24.0
60°-70°	715.8	27.7
70°-80°	338.1	13.1
80°-90°	16.0	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°	2588.2	100.0
0°-180°	2588.2	100.0



REPORT NUMBER: P676464

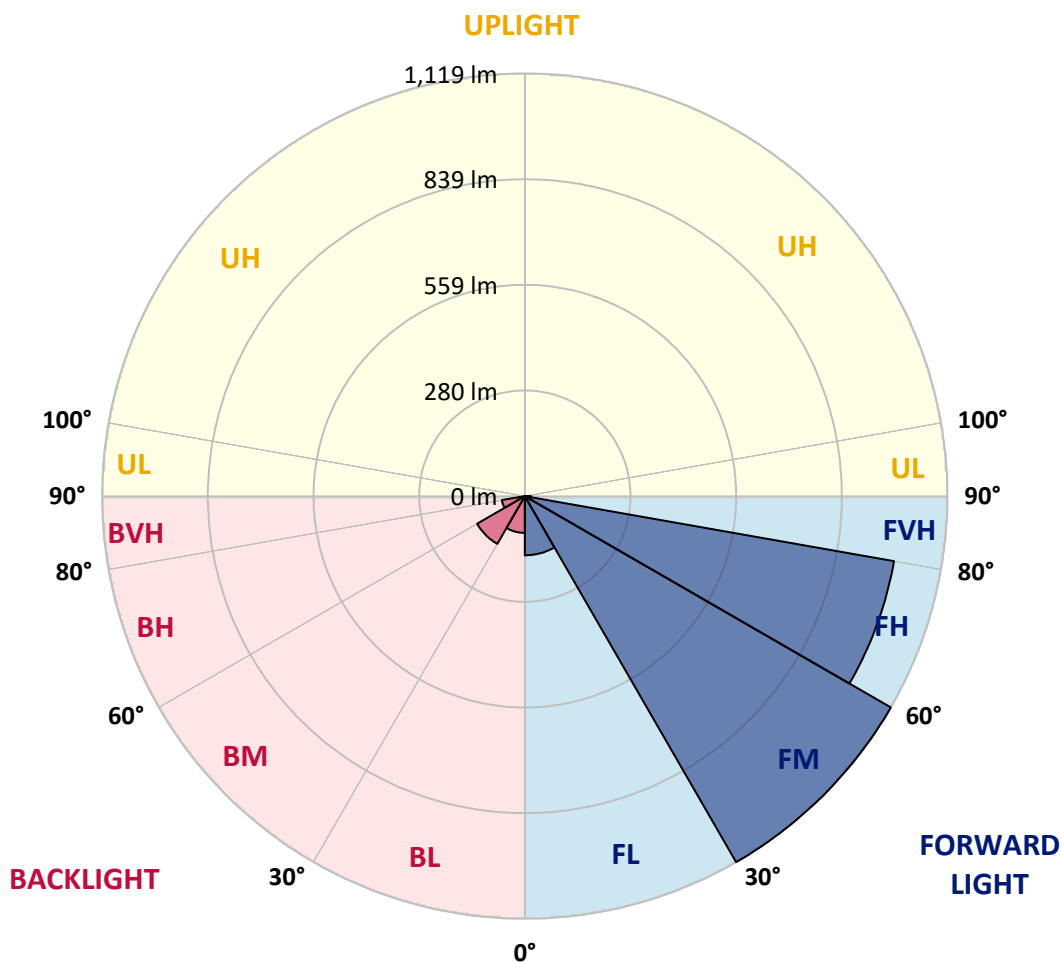
CATALOG NUMBER: CCW-SA-1C-830-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	156.6	6.0			
FM (30°-60°)	1118.6	43.2			
FH (60°-80°)	992.2	38.3			G1/1800
FVH (80°-90°)	15.8	0.6			G1/100
BL (0°-30°)	97.3	3.8	B0/110		
BM (30°-60°)	145.8	5.6	B0/220		
BH (60°-80°)	61.7	2.4	B0/110		G0/110
BVH (80°-90°)	0.3	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 III Medium





REPORT NUMBER: P676464
 CATALOG NUMBER: CCW-SA-1C-830-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	319.3	319.3	319.3	319.3	319.3	319.3	319.3	319.3	319.3	319.3	319.3
2.5°	314.7	312.7	314.7	317.4	314.7	316.7	316.0	318.0	315.4	315.4	317.4
5°	294.2	297.5	298.8	302.2	305.5	311.4	315.4	315.4	319.3	321.3	324.0
7.5°	286.9	281.7	286.9	289.6	292.9	302.8	308.8	311.4	316.7	324.0	327.9
10°	276.4	280.3	280.3	288.9	293.6	299.5	310.1	312.1	324.0	331.2	335.2
12.5°	275.7	275.7	279.0	285.0	294.2	305.5	318.7	314.7	327.3	340.5	347.1
15°	277.7	282.3	282.3	290.3	297.5	313.4	324.6	325.3	343.1	356.4	362.3
17.5°	286.3	284.3	286.9	291.6	302.8	318.0	336.5	338.5	359.0	376.9	385.5
20°	304.1	307.4	303.5	300.8	305.5	325.3	349.1	353.1	376.2	393.4	402.0
22.5°	370.9	368.3	352.4	333.9	326.0	335.2	361.0	370.3	397.4	417.9	425.1
25°	446.3	441.7	423.1	395.4	359.0	355.0	384.8	384.8	423.8	446.3	444.3
27.5°	517.7	516.4	494.6	465.5	413.9	385.5	404.0	411.2	453.6	472.1	463.5
30°	590.4	591.7	571.9	536.9	482.7	434.4	431.1	437.0	476.0	505.1	487.3
32.5°	675.1	663.2	649.3	601.0	551.4	497.2	466.1	463.5	501.2	527.6	503.8
35°	750.4	743.2	727.9	684.3	627.4	562.7	519.0	512.4	532.9	567.9	542.2
37.5°	816.5	809.3	789.4	760.3	716.0	644.0	582.5	572.6	581.2	618.2	587.1
40°	873.4	875.4	870.1	841.7	800.7	735.2	664.5	648.6	641.3	674.4	639.3
42.5°	914.4	933.6	934.9	899.8	866.8	831.1	751.7	739.2	722.0	749.8	725.3
45°	1000.3	989.8	996.4	983.8	947.5	942.2	852.2	845.0	821.2	830.4	804.6
47.5°	1067.8	1065.8	1078.4	1057.9	1047.9	1048.6	966.6	954.1	920.3	937.5	908.4
50°	1106.8	1096.2	1141.8	1157.7	1155.7	1163.7	1082.3	1071.8	1039.4	1064.5	1002.3
52.5°	1116.0	1135.2	1178.2	1235.7	1260.2	1276.7	1208.6	1204.6	1169.6	1185.5	1099.5
55°	1139.2	1157.7	1182.8	1277.4	1368.0	1371.9	1332.9	1336.9	1305.8	1301.8	1192.1
57.5°	1138.5	1134.6	1204.0	1313.7	1439.4	1496.2	1475.1	1455.9	1422.2	1383.2	1251.6
60°	1096.9	1094.9	1167.0	1318.4	1478.4	1608.6	1617.2	1594.7	1510.1	1452.6	1321.7
62.5°	1014.2	1022.2	1094.9	1278.7	1515.4	1648.9	1680.7	1665.5	1560.4	1498.9	1404.3
65°	919.7	903.2	987.8	1179.5	1432.1	1637.0	1705.8	1700.5	1619.9	1549.1	1480.4
67.5°	737.9	745.1	809.9	1014.9	1289.9	1593.4	1764.7	1772.6	1667.5	1593.4	1503.5
70°	467.4	480.7	548.1	733.2	1053.2	1455.9	1817.5	1840.7	1705.1	1589.4	1436.1
72.5°	136.2	141.5	233.4	365.6	671.1	1167.6	1732.9	1744.8	1631.8	1442.7	1110.8
75°	45.0	47.6	68.8	119.0	263.1	603.6	1280.0	1336.2	1298.5	1046.0	635.4
77.5°	29.8	31.1	37.7	56.9	99.8	189.1	686.3	746.5	731.9	489.9	205.0
80°	21.8	22.5	27.8	38.3	60.8	68.1	253.2	292.9	283.0	112.4	41.0
82.5°	13.9	13.9	20.5	27.1	38.3	33.7	73.4	81.3	79.3	43.0	15.9
85°	9.3	9.9	15.2	21.2	21.2	15.9	21.2	24.5	26.4	23.1	7.3
87.5°	2.6	3.3	8.6	14.5	8.6	7.9	7.3	7.9	9.3	12.6	4.0
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: P676464
 CATALOG NUMBER: CCW-SA-1C-830-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	319.3	319.3	319.3	319.3	319.3	319.3	319.3	319.3	319.3	319.3	319.3
2.5°	319.3	322.0	321.3	322.6	320.7	318.7	320.7	320.7	320.7	318.7	317.4
5°	322.0	320.7	322.0	319.3	322.0	319.3	318.0	314.1	313.4	313.4	316.0
7.5°	326.0	327.3	321.3	321.3	315.4	316.7	313.4	314.1	312.7	310.7	309.4
10°	331.9	337.2	331.2	329.3	322.6	317.4	309.4	305.5	305.5	302.8	305.5
12.5°	348.4	346.5	343.1	336.5	328.6	318.0	298.8	279.7	263.8	251.9	257.9
15°	361.7	361.0	356.4	343.8	333.2	300.8	252.6	203.0	176.5	164.6	162.6
17.5°	382.2	380.2	372.2	355.7	320.7	249.3	173.2	131.6	105.8	99.8	97.9
20°	401.3	400.7	383.5	362.3	288.9	181.8	113.1	86.6	79.3	80.0	78.7
22.5°	421.8	418.5	398.0	354.4	230.1	121.0	80.7	77.4	74.7	74.1	75.4
25°	445.0	433.1	412.6	336.5	169.3	83.3	76.0	73.4	70.7	70.1	70.1
27.5°	454.2	446.3	419.2	293.6	107.1	72.7	71.4	68.1	64.8	62.8	62.1
30°	475.4	462.2	425.8	230.7	76.0	66.8	64.8	60.8	56.2	52.9	52.9
32.5°	496.5	480.7	426.5	161.3	63.5	60.2	56.9	51.6	45.6	42.3	43.0
35°	523.0	501.2	419.2	104.5	56.9	52.9	46.3	40.3	35.0	32.4	32.4
37.5°	567.9	547.4	389.4	68.8	51.6	45.0	38.3	31.7	27.1	25.1	25.1
40°	624.8	598.4	348.4	54.2	45.6	38.3	30.4	24.5	21.8	19.8	19.8
42.5°	692.9	659.8	287.6	48.3	40.3	31.7	23.8	19.2	16.5	16.5	15.9
45°	761.0	706.8	225.5	44.3	35.7	26.4	18.5	15.2	13.9	13.2	13.2
47.5°	858.2	763.6	161.3	40.3	31.1	20.5	15.2	12.6	11.2	10.6	11.2
50°	951.4	817.2	114.4	36.4	25.8	16.5	12.6	11.2	9.9	9.3	9.3
52.5°	1033.4	854.2	80.0	31.7	21.8	13.9	11.2	9.9	9.3	8.6	8.6
55°	1078.4	841.7	54.9	27.1	17.9	11.9	9.9	8.6	7.9	7.3	7.3
57.5°	1124.6	806.6	41.7	22.5	14.5	11.2	9.3	7.9	7.3	6.6	6.6
60°	1163.7	780.8	32.4	17.9	11.9	9.3	7.9	6.6	6.0	5.3	4.6
62.5°	1165.6	729.3	23.8	13.2	9.3	7.9	6.6	5.3	3.3	2.6	2.0
65°	1173.6	675.1	17.2	9.9	6.6	6.0	4.6	2.6	1.3	0.0	0.0
67.5°	1145.8	610.9	13.9	7.3	4.6	3.3	2.0	0.7	0.0	0.0	0.0
70°	1032.7	515.7	10.6	5.3	3.3	2.0	0.7	0.0	0.0	0.0	0.0
72.5°	739.2	335.2	7.3	4.0	1.3	0.7	0.0	0.0	0.0	0.0	0.0
75°	394.1	142.8	5.3	2.6	0.7	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	123.6	36.4	3.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0
80°	27.1	9.9	2.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	9.3	4.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.3	0.7	0.7	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)