

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P634418

Luminaire Tested: GWS-SA3B-760-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634418
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-760-U-T2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6233.4 lumens
Efficiency: N/A
Efficacy: 91.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

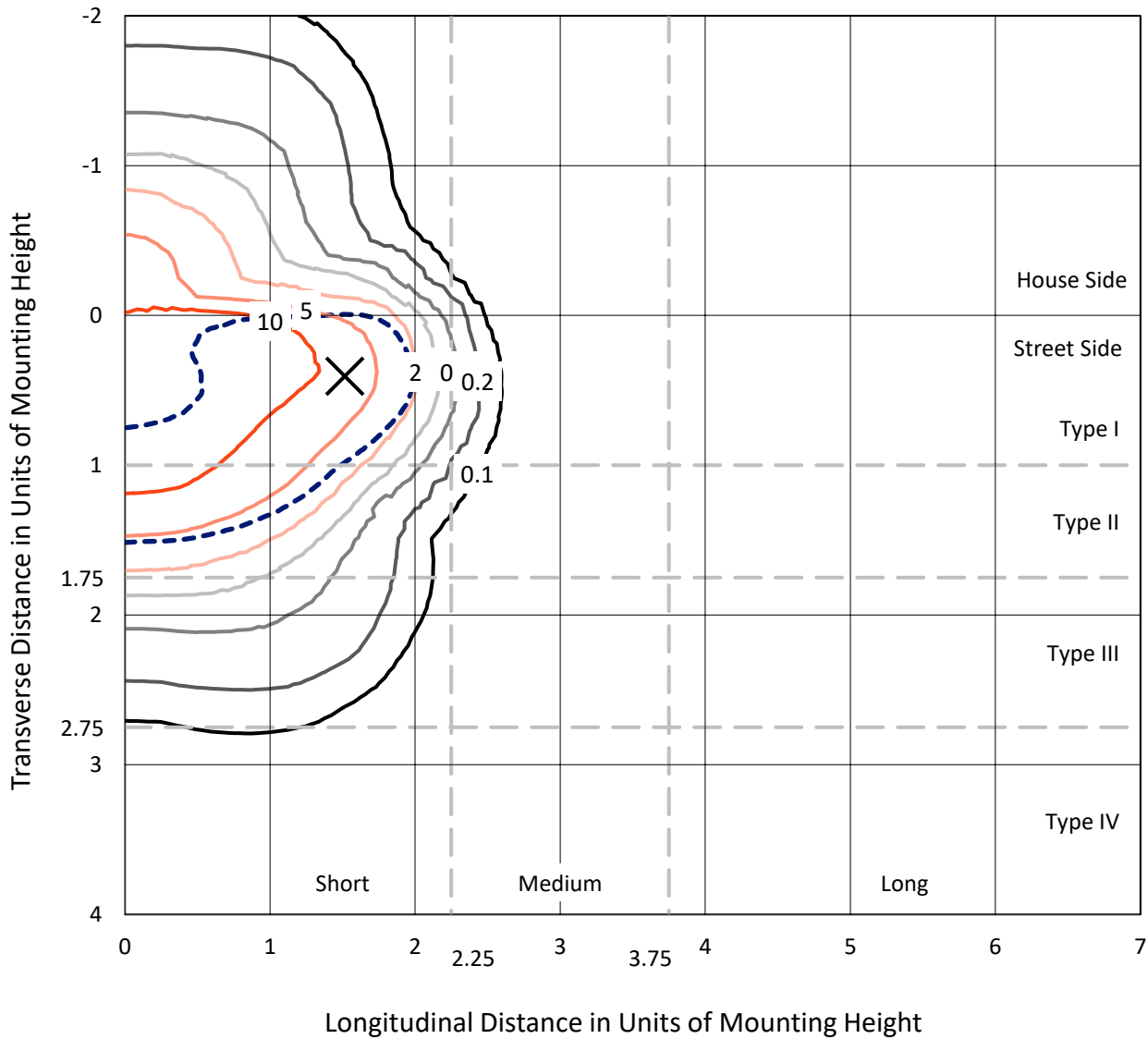
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634418
 CATALOG NUMBER: GWS-SA3B-760-U-T2-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

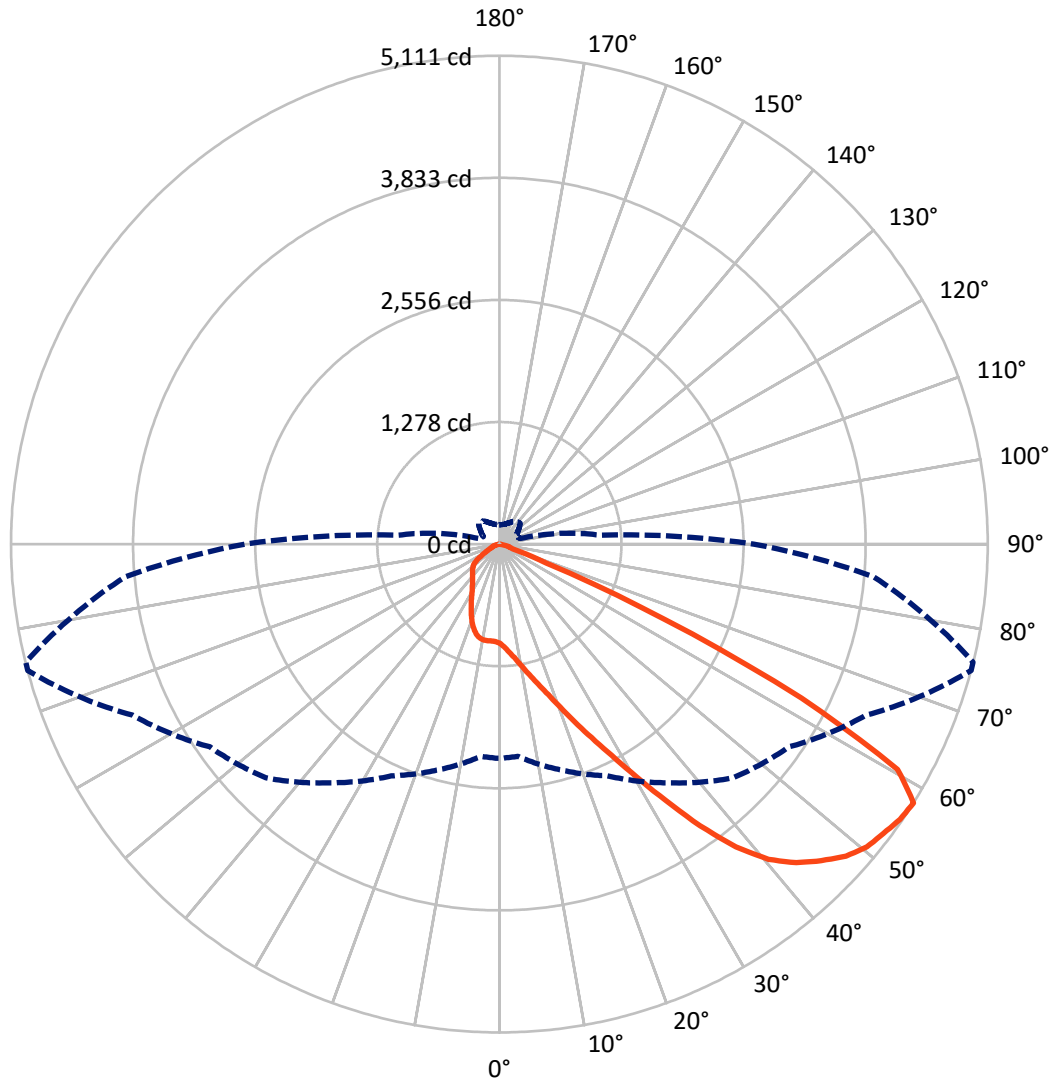
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.4 fc
 Type II - Short - N/A

REPORT NUMBER: P634418
CATALOG NUMBER: GWS-SA3B-760-U-T2-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P634418

CATALOG NUMBER: GWS-SA3B-760-U-T2-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1018.2	0.0	1018.2
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	5215.2	0.0	5215.2
	% Fixture	83.7	0.0	83.7
Total	Lumens	6233.4	0.0	6233.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.8	1.7
10°-20°	343.7	5.5
20°-30°	629.3	10.1
30°-40°	1044.1	16.8
40°-50°	1594.6	25.6
50°-60°	1791.8	28.7
60°-70°	660.9	10.6
70°-80°	63.2	1.0
80°-90°	0.1	0.0
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°	6233.4	100.0
0°-180°	6233.4	100.0

Coefficient of Utilization



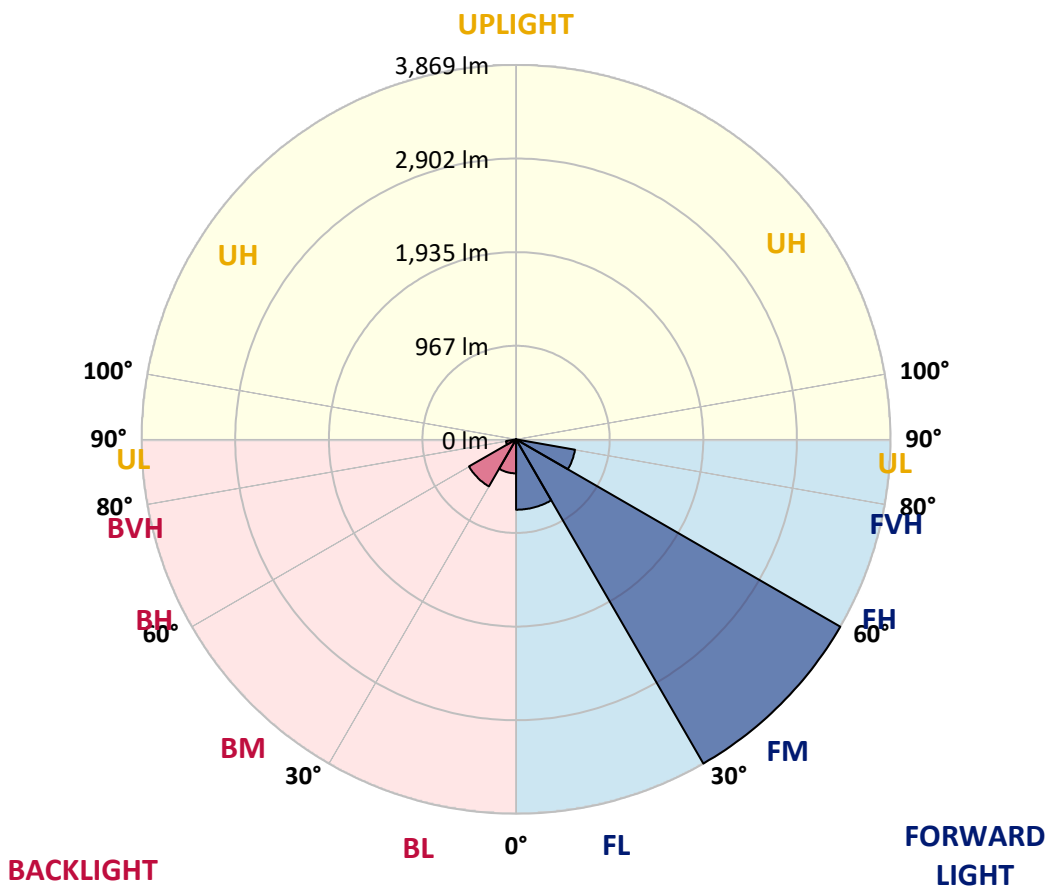
REPORT NUMBER: P634418

CATALOG NUMBER: GWS-SA3B-760-U-T2-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	727.4	11.7			
FM (30°-60°)	3869.4	62.1			
FH (60°-80°)	618.3	9.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	351.3	5.6	B1/500		
BM (30°-60°)	561.1	9.0	B1/1000		
BH (60°-80°)	105.7	1.7	B0/110		G0/110
BVH (80°-90°)	0.0	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-G0
 Type II Short





REPORT NUMBER: P634418

CATALOG NUMBER: GWS-SA3B-760-U-T2-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1039.6	1039.6	1039.6	1039.6	1039.6	1039.6	1039.6	1039.6	1039.6	1039.6	1039.6
2.5°	1161.5	1173.5	1169.8	1162.3	1157.8	1142.0	1132.2	1103.6	1083.3	1081.0	1062.2
5°	1308.2	1305.9	1302.9	1293.9	1286.4	1261.6	1232.2	1184.1	1141.2	1135.9	1096.1
7.5°	1388.7	1390.2	1391.7	1390.2	1384.9	1366.1	1333.8	1277.4	1211.9	1207.4	1144.2
10°	1421.8	1424.8	1432.3	1446.6	1459.4	1457.9	1439.1	1381.2	1300.7	1293.2	1208.2
12.5°	1437.6	1441.4	1453.4	1480.5	1515.1	1542.2	1545.2	1493.3	1404.5	1392.5	1284.1
15°	1459.4	1463.2	1478.2	1513.6	1564.0	1617.4	1652.0	1618.9	1519.6	1506.8	1367.6
17.5°	1469.2	1474.5	1496.3	1542.9	1608.4	1690.4	1768.6	1765.6	1655.8	1646.0	1464.7
20°	1488.0	1491.8	1511.3	1561.7	1640.7	1758.8	1890.5	1937.9	1822.0	1807.7	1582.0
22.5°	1547.4	1548.9	1558.0	1589.6	1663.3	1808.5	2014.6	2138.7	2018.4	1999.5	1713.7
25°	1644.5	1643.7	1647.5	1652.7	1706.9	1858.9	2134.2	2365.2	2243.3	2223.0	1862.6
27.5°	1767.8	1767.8	1776.9	1761.8	1783.6	1921.3	2252.3	2625.4	2505.1	2476.5	2025.9
30°	1913.0	1912.3	1933.3	1909.3	1916.0	2019.9	2379.4	2909.0	2821.0	2785.7	2213.9
32.5°	2110.1	2105.6	2129.7	2096.6	2074.0	2168.8	2534.4	3205.4	3199.4	3145.3	2450.2
35°	2359.1	2351.6	2359.1	2326.8	2286.2	2377.2	2737.5	3501.1	3619.2	3562.0	2731.5
37.5°	2606.6	2630.7	2639.0	2583.3	2550.2	2641.2	2982.0	3765.9	4020.2	3960.7	3024.1
40°	2898.5	2891.0	2919.6	2857.1	2836.1	2936.9	3221.2	3963.0	4337.6	4281.2	3284.4
42.5°	3113.7	3127.2	3162.6	3128.0	3111.4	3206.2	3422.1	4078.1	4558.0	4502.4	3470.2
45°	3371.7	3381.5	3395.0	3366.4	3349.1	3442.4	3567.3	4128.5	4725.8	4665.6	3595.1
47.5°	3650.8	3658.3	3658.3	3599.6	3544.0	3582.3	3664.3	4157.1	4880.0	4822.1	3687.7
50°	3850.9	3854.7	3887.8	3846.4	3725.3	3665.8	3708.7	4184.9	4982.3	4928.2	3717.7
52.5°	3673.4	3668.8	3777.9	3863.7	3896.0	3777.9	3785.4	4225.5	5032.0	4985.3	3741.8
55°	3093.4	3085.8	3239.3	3447.7	3732.8	3884.0	3878.0	4249.6	5086.9	5058.3	3829.1
57.5°	2242.5	2229.7	2443.4	2675.1	3049.0	3459.0	3699.7	4236.1	5111.0	5108.7	3930.6
60°	1348.1	1337.5	1539.2	1782.9	2071.8	2484.0	2883.5	3794.5	4789.0	4793.5	3666.6
62.5°	829.8	839.5	1021.6	1145.7	1253.3	1377.4	1608.4	2552.5	3547.7	3577.1	2576.5
65°	558.2	565.7	734.2	890.7	890.7	728.2	625.1	1220.2	1892.7	1843.1	1218.7
67.5°	374.6	382.9	516.1	698.9	725.2	507.8	253.5	364.1	527.3	511.5	301.7
70°	220.4	229.4	343.8	479.2	528.1	353.6	169.3	154.2	149.7	145.2	117.4
72.5°	98.5	102.3	175.3	243.7	222.7	149.0	119.6	123.4	116.6	114.3	95.5
75°	30.1	31.6	45.1	52.7	53.4	53.4	72.2	97.0	91.8	92.5	73.7
77.5°	7.5	7.5	12.0	11.3	6.0	5.3	13.5	21.8	22.6	20.3	15.0
80°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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



REPORT NUMBER: P634418
 CATALOG NUMBER: GWS-SA3B-760-U-T2-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1039.6	1039.6	1039.6	1039.6	1039.6	1039.6	1039.6	1039.6	1039.6	1039.6	1039.6
2.5°	1053.9	1034.4	1021.6	1003.5	990.7	977.2	965.2	955.4	950.1	948.6	949.4
5°	1078.0	1047.2	1017.1	982.5	958.4	935.8	917.8	903.5	896.7	894.5	894.5
7.5°	1114.9	1072.0	1018.6	964.4	923.8	888.4	867.4	851.6	845.6	844.1	839.5
10°	1163.0	1104.3	1016.3	932.1	874.9	838.0	823.0	818.5	820.7	821.5	820.7
12.5°	1220.9	1138.2	1002.0	884.7	823.0	800.4	801.9	814.0	827.5	834.3	835.8
15°	1282.6	1169.0	969.7	828.3	778.6	777.9	799.7	827.5	853.8	865.1	868.1
17.5°	1351.8	1193.9	920.0	768.1	740.2	762.1	801.2	844.1	879.4	898.2	902.0
20°	1427.8	1214.2	856.8	711.7	706.4	745.5	799.7	852.3	896.0	917.0	920.8
22.5°	1506.8	1228.5	783.9	659.7	675.5	726.7	785.4	836.5	877.9	902.0	905.0
25°	1597.1	1230.0	709.4	616.1	647.0	701.1	750.8	792.9	827.5	848.6	850.8
27.5°	1676.1	1211.9	643.2	580.8	620.6	669.5	702.6	725.9	750.0	762.1	762.8
30°	1767.1	1180.3	580.8	552.2	593.5	630.4	647.0	652.2	654.5	656.7	653.7
32.5°	1875.4	1142.0	534.1	524.3	562.7	587.5	592.0	581.5	568.7	550.7	546.2
35°	2008.6	1107.3	495.7	497.3	528.8	543.9	540.1	517.6	492.7	470.9	467.2
37.5°	2153.0	1078.0	466.4	470.9	492.0	502.5	491.2	466.4	455.1	436.3	437.1
40°	2280.9	1053.9	440.1	444.6	454.4	464.2	446.1	429.5	450.6	449.1	450.6
42.5°	2371.9	1033.6	417.5	415.3	422.0	428.8	415.3	407.0	442.3	432.6	437.8
45°	2425.3	1014.8	398.7	385.2	395.7	407.7	398.7	388.2	400.2	355.1	351.3
47.5°	2461.4	1004.3	382.2	355.8	374.6	395.7	376.9	351.3	334.0	294.9	291.9
50°	2465.2	999.0	362.6	325.7	349.8	372.4	350.6	315.2	290.4	273.1	270.8
52.5°	2484.8	1009.6	335.5	287.4	313.7	349.8	334.8	299.4	265.6	250.5	247.5
55°	2572.0	1053.9	290.4	234.7	273.1	332.5	322.0	267.1	234.7	225.7	223.4
57.5°	2662.3	1063.0	228.7	185.8	237.7	307.7	294.1	246.0	214.4	203.9	201.6
60°	2434.4	875.6	171.5	153.5	209.9	284.4	272.3	233.2	196.3	183.6	181.3
62.5°	1599.3	473.2	136.2	130.1	176.8	240.7	248.3	210.6	175.3	161.7	161.0
65°	737.2	219.7	104.6	103.1	138.4	191.8	213.6	184.3	148.2	136.2	136.2
67.5°	200.9	109.1	82.0	76.0	94.0	128.6	155.7	137.7	105.3	91.0	90.3
70°	100.1	88.0	73.7	65.4	67.7	79.7	91.8	76.7	53.4	43.6	42.9
72.5°	82.0	72.2	62.4	55.7	51.2	48.9	47.4	38.4	24.8	18.8	18.1
75°	60.9	51.9	44.4	36.1	30.8	28.6	25.6	18.8	10.5	6.0	5.3
77.5°	13.5	12.8	12.0	9.0	8.3	6.8	5.3	3.8	1.5	0.0	0.0
80°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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)