

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: P630959

Luminaire Tested: GWS-SA1E-760-U-T2R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630959
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-760-U-T2R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6165.5 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

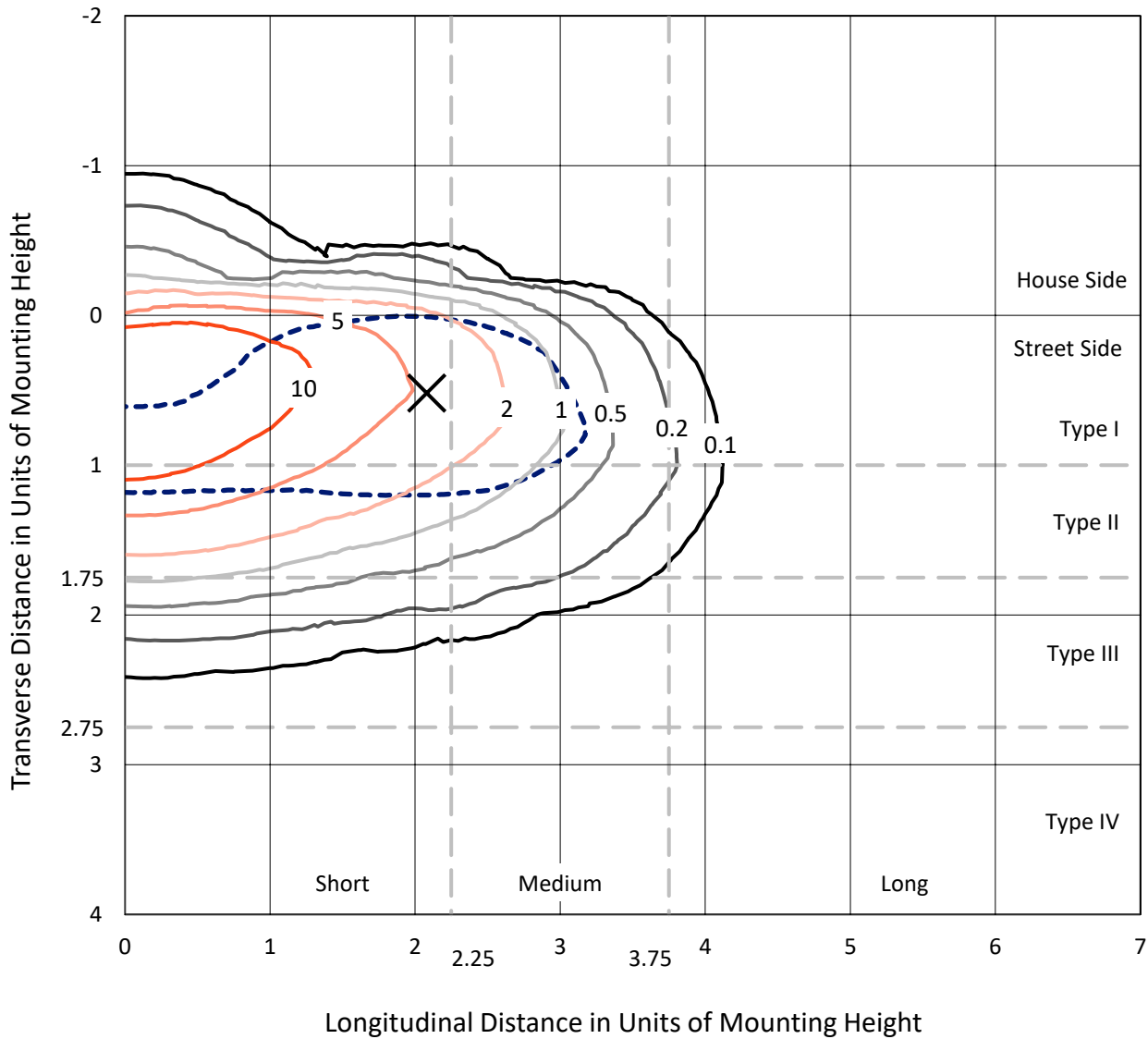
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630959
 CATALOG NUMBER: GWS-SA1E-760-U-T2R-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

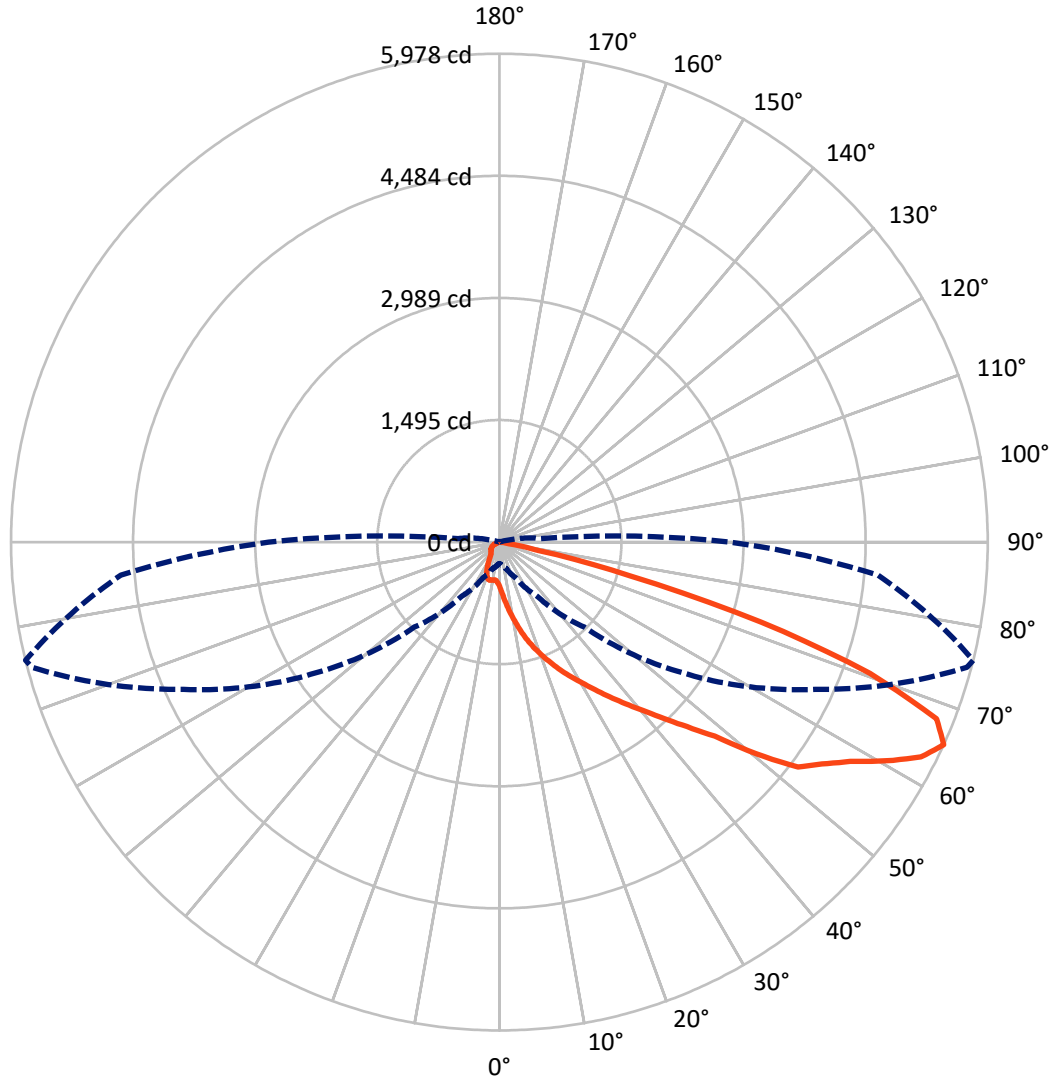
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.5 fc
 Type II - Short - N/A

REPORT NUMBER: P630959
CATALOG NUMBER: GWS-SA1E-760-U-T2R-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P630959
 CATALOG NUMBER: GWS-SA1E-760-U-T2R-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	340.9	0.0	340.9
	% Fixture	5.5	0.0	5.5
Street Side	Lumens	5824.6	0.0	5824.6
	% Fixture	94.5	0.0	94.5
Total	Lumens	6165.5	0.0	6165.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.4	1.1
10°-20°	252.0	4.1
20°-30°	514.1	8.3
30°-40°	914.3	14.8
40°-50°	1351.6	21.9
50°-60°	1547.4	25.1
60°-70°	1180.6	19.1
70°-80°	330.7	5.4
80°-90°	8.3	0.1
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°	6165.5	100.0
0°-180°	6165.5	100.0

Coefficient of Utilization



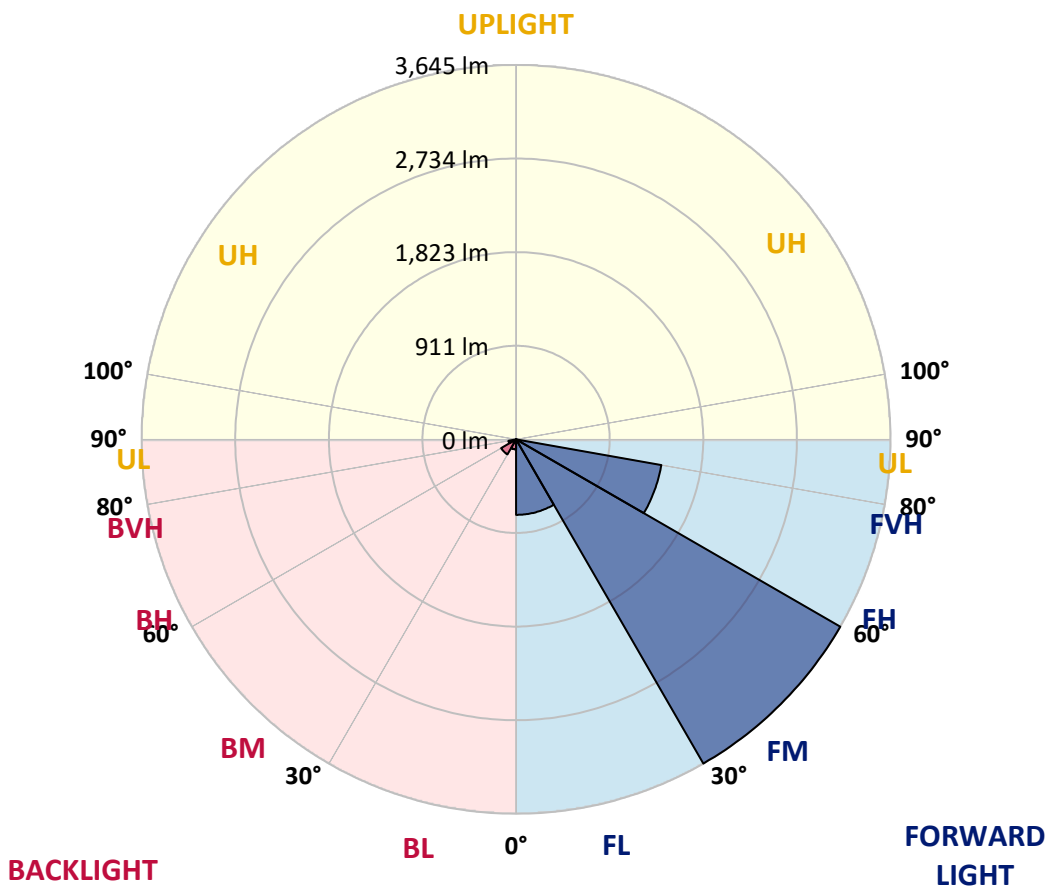
REPORT NUMBER: P630959

CATALOG NUMBER: GWS-SA1E-760-U-T2R-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	735.2	11.9			
FM (30°-60°)	3645.1	59.1			
FH (60°-80°)	1436.4	23.3			G1/1800
FVH (80°-90°)	7.8	0.1			G0/10
BL (0°-30°)	97.3	1.6	B0/110		
BM (30°-60°)	168.2	2.7	B0/220		
BH (60°-80°)	74.9	1.2	B0/110		G0/110
BVH (80°-90°)	0.5	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 II Short





REPORT NUMBER: P630959

CATALOG NUMBER: GWS-SA1E-760-U-T2R-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	545.9	545.9	545.9	545.9	545.9	545.9	545.9	545.9	545.9	545.9	545.9
2.5°	841.3	853.9	844.0	827.6	795.8	765.1	725.6	671.4	628.1	622.6	582.0
5°	1136.1	1135.0	1113.7	1092.3	1058.9	1006.2	926.8	825.9	728.9	720.7	629.7
7.5°	1311.5	1313.2	1301.1	1284.7	1251.8	1197.5	1114.8	993.1	851.1	834.7	694.9
10°	1458.9	1458.4	1449.6	1442.0	1412.4	1376.2	1287.4	1153.7	982.7	956.9	767.8
12.5°	1569.7	1573.5	1577.9	1585.5	1572.9	1537.3	1453.5	1307.7	1115.9	1087.4	851.1
15°	1657.3	1658.4	1674.9	1704.5	1714.9	1696.3	1620.1	1456.8	1247.4	1222.7	947.1
17.5°	1683.7	1685.8	1713.8	1768.1	1822.9	1833.3	1775.7	1606.9	1376.7	1350.4	1040.2
20°	1739.0	1743.9	1764.8	1812.4	1881.5	1937.4	1914.9	1758.7	1506.1	1471.6	1135.6
22.5°	1913.3	1916.0	1908.9	1914.9	1950.6	2015.2	2028.9	1905.6	1638.7	1602.0	1238.6
25°	2213.1	2214.2	2164.3	2117.2	2090.3	2102.4	2132.5	2041.0	1770.2	1734.1	1334.5
27.5°	2524.4	2528.2	2468.5	2388.5	2292.6	2237.7	2229.0	2164.9	1902.9	1862.9	1429.4
30°	2817.6	2817.6	2754.6	2657.0	2528.8	2421.9	2358.9	2289.8	2044.8	2001.0	1526.4
32.5°	3081.2	3079.0	2998.5	2892.7	2766.1	2648.8	2516.2	2420.3	2202.7	2153.9	1638.2
35°	3298.8	3293.3	3201.8	3100.4	2965.0	2877.9	2729.9	2560.6	2373.7	2324.9	1753.3
37.5°	3463.2	3457.2	3373.3	3265.9	3140.4	3084.0	2960.1	2728.8	2554.0	2509.6	1881.0
40°	3552.6	3540.5	3482.4	3402.4	3297.2	3247.8	3196.3	2937.6	2766.1	2710.7	2031.7
42.5°	3578.9	3564.6	3526.2	3489.0	3425.4	3386.5	3441.8	3173.3	2999.0	2951.3	2203.8
45°	3501.0	3492.8	3489.5	3516.4	3527.9	3538.8	3675.3	3434.2	3256.0	3219.9	2420.3
47.5°	3313.6	3311.4	3340.4	3452.3	3573.9	3689.6	3929.1	3755.9	3589.3	3550.4	2722.8
50°	2967.2	2989.7	3070.8	3267.0	3510.3	3775.1	4166.4	4202.0	4128.6	4071.6	3117.4
52.5°	2425.7	2469.0	2651.0	2949.1	3298.8	3750.9	4276.0	4559.3	4634.4	4575.2	3400.2
55°	1903.4	1944.0	2106.2	2484.4	2950.8	3567.3	4280.9	4682.7	4846.5	4791.7	3591.5
57.5°	1417.8	1455.1	1602.5	1964.3	2477.2	3206.2	4163.6	4751.2	5098.1	5063.0	3893.4
60°	926.8	963.5	1096.7	1412.9	1921.5	2680.0	3874.8	4736.9	5440.6	5437.3	4264.5
62.5°	514.1	543.1	639.6	886.2	1341.1	2075.5	3421.0	4593.9	5772.2	5793.0	4570.3
65°	263.1	281.7	340.3	487.2	811.7	1471.6	2824.2	4266.1	5925.7	5978.3	4650.9
67.5°	172.1	178.1	192.4	253.2	434.6	925.7	2125.4	3740.5	5709.7	5771.1	4380.7
70°	139.8	144.7	152.9	168.8	224.2	491.6	1395.9	2987.5	4770.9	4812.5	3488.4
72.5°	102.5	109.1	125.0	135.4	161.7	269.6	726.2	1961.0	3276.3	3349.8	2192.3
75°	75.6	79.5	92.6	106.9	132.1	170.4	277.9	1030.9	1691.9	1649.1	920.7
77.5°	45.5	48.2	59.2	68.5	94.3	106.3	97.0	380.9	514.6	483.9	222.5
80°	22.5	25.2	38.9	51.5	60.3	42.7	40.6	106.3	114.5	114.5	55.9
82.5°	7.7	9.9	20.8	34.0	29.6	16.4	19.2	27.4	30.7	32.3	16.4
85°	0.0	0.0	4.9	9.9	4.4	2.2	4.9	6.0	7.7	8.2	5.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.6	2.2	2.2
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: P630959
 CATALOG NUMBER: GWS-SA1E-760-U-T2R-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	545.9	545.9	545.9	545.9	545.9	545.9	545.9	545.9	545.9	545.9	545.9
2.5°	560.1	534.4	495.4	460.4	433.5	408.3	389.1	373.8	371.0	362.3	363.4
5°	585.3	538.7	467.0	411.6	372.7	346.4	324.5	308.0	300.9	293.8	288.3
7.5°	624.2	556.8	456.0	388.6	343.1	302.5	268.6	241.1	228.0	219.8	214.3
10°	671.9	582.0	456.5	374.9	307.5	245.5	198.9	168.8	154.6	150.2	149.6
12.5°	728.9	613.8	460.9	352.4	255.9	182.5	147.4	133.7	129.3	125.5	125.5
15°	789.2	649.5	460.9	311.3	195.1	142.5	127.7	118.9	113.4	111.3	110.2
17.5°	852.8	682.9	450.0	254.8	149.6	125.5	113.4	105.2	100.8	97.6	96.5
20°	920.7	714.7	422.6	195.1	128.2	112.4	100.8	92.6	88.2	84.9	84.9
22.5°	989.8	744.3	378.2	150.2	113.4	99.7	88.8	81.1	76.7	73.4	73.4
25°	1053.9	764.0	321.2	123.9	102.5	88.8	78.9	71.2	66.3	64.1	63.0
27.5°	1113.7	776.6	258.1	109.1	92.1	79.5	69.1	61.9	58.1	56.5	55.4
30°	1175.6	779.9	197.3	99.2	83.3	70.2	60.3	54.8	51.5	49.3	49.3
32.5°	1235.9	776.1	150.7	91.0	75.6	61.9	53.7	48.8	46.0	44.4	43.8
35°	1297.3	758.5	122.2	83.9	68.0	54.3	47.7	43.8	42.2	40.0	40.0
37.5°	1364.1	735.0	106.3	76.7	60.3	48.8	42.7	40.0	37.8	36.2	35.6
40°	1447.4	707.6	97.6	70.7	53.2	43.8	38.4	35.6	34.0	32.3	31.8
42.5°	1546.1	680.7	93.2	64.1	47.7	38.9	34.5	31.2	29.6	27.4	26.9
45°	1685.8	674.7	88.2	57.0	42.7	35.1	30.1	26.9	24.7	23.0	22.5
47.5°	1910.6	691.7	80.0	49.3	37.8	30.7	25.8	23.0	20.3	18.6	17.5
50°	2133.6	687.3	71.8	42.7	33.4	26.3	21.9	19.2	16.4	14.8	14.2
52.5°	2255.3	666.4	64.1	37.8	29.0	22.5	18.6	15.3	13.7	12.1	11.5
55°	2365.4	658.2	56.5	32.9	24.7	19.7	15.3	12.6	11.5	9.9	9.3
57.5°	2581.4	677.4	49.9	28.5	21.4	17.0	13.2	10.4	9.3	7.7	7.1
60°	2807.2	679.6	42.7	24.7	18.6	14.2	10.4	8.2	7.1	5.5	4.9
62.5°	2925.0	624.2	35.1	20.8	15.3	12.1	8.8	6.6	5.5	3.3	3.3
65°	2826.4	504.8	29.6	17.0	12.1	9.3	6.6	4.9	3.3	1.6	0.5
67.5°	2501.4	359.0	24.7	13.7	8.8	6.6	4.9	3.3	0.5	0.0	0.0
70°	1831.6	205.0	19.2	9.9	6.6	4.4	3.3	1.6	0.0	0.0	0.0
72.5°	1125.7	109.6	14.2	6.6	4.9	3.3	2.7	1.1	0.0	0.0	0.0
75°	426.9	52.6	8.8	4.4	3.8	2.7	1.6	0.5	0.0	0.0	0.0
77.5°	115.6	25.8	4.9	3.3	2.7	1.6	1.1	0.0	0.0	0.0	0.0
80°	30.1	12.1	3.3	2.2	1.6	1.1	0.0	0.0	0.0	0.0	0.0
82.5°	10.4	5.5	1.6	1.6	1.1	0.5	0.0	0.0	0.0	0.0	0.0
85°	4.4	2.2	1.1	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.6	0.5	0.5	0.5	0.5	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)