

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: P630845

Luminaire Tested: GWS-SA1E-740-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630845
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-740-U-T2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5676.1 lumens
Efficiency: N/A
Efficacy: 97.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

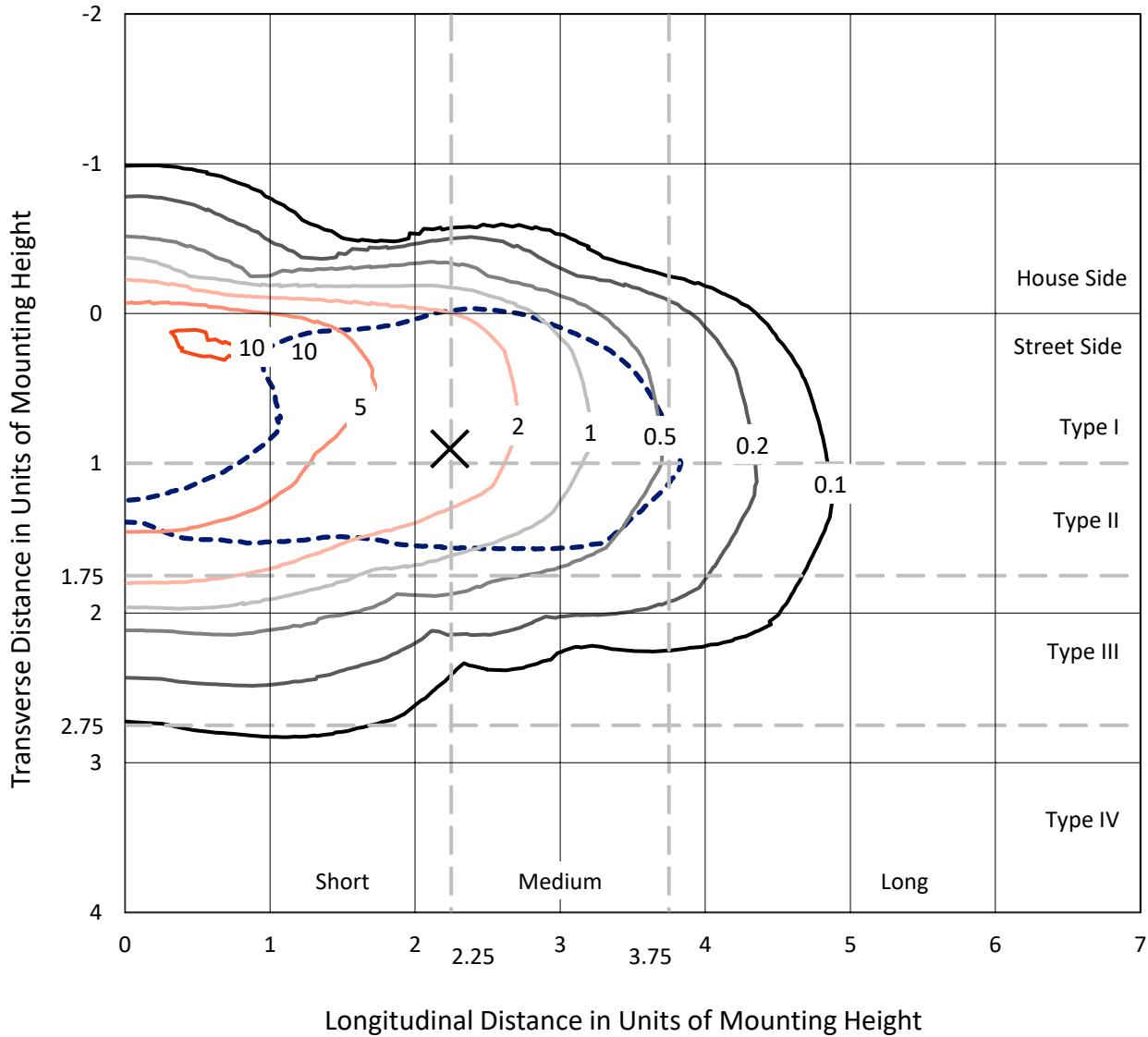
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630845
 CATALOG NUMBER: GWS-SA1E-740-U-T2-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

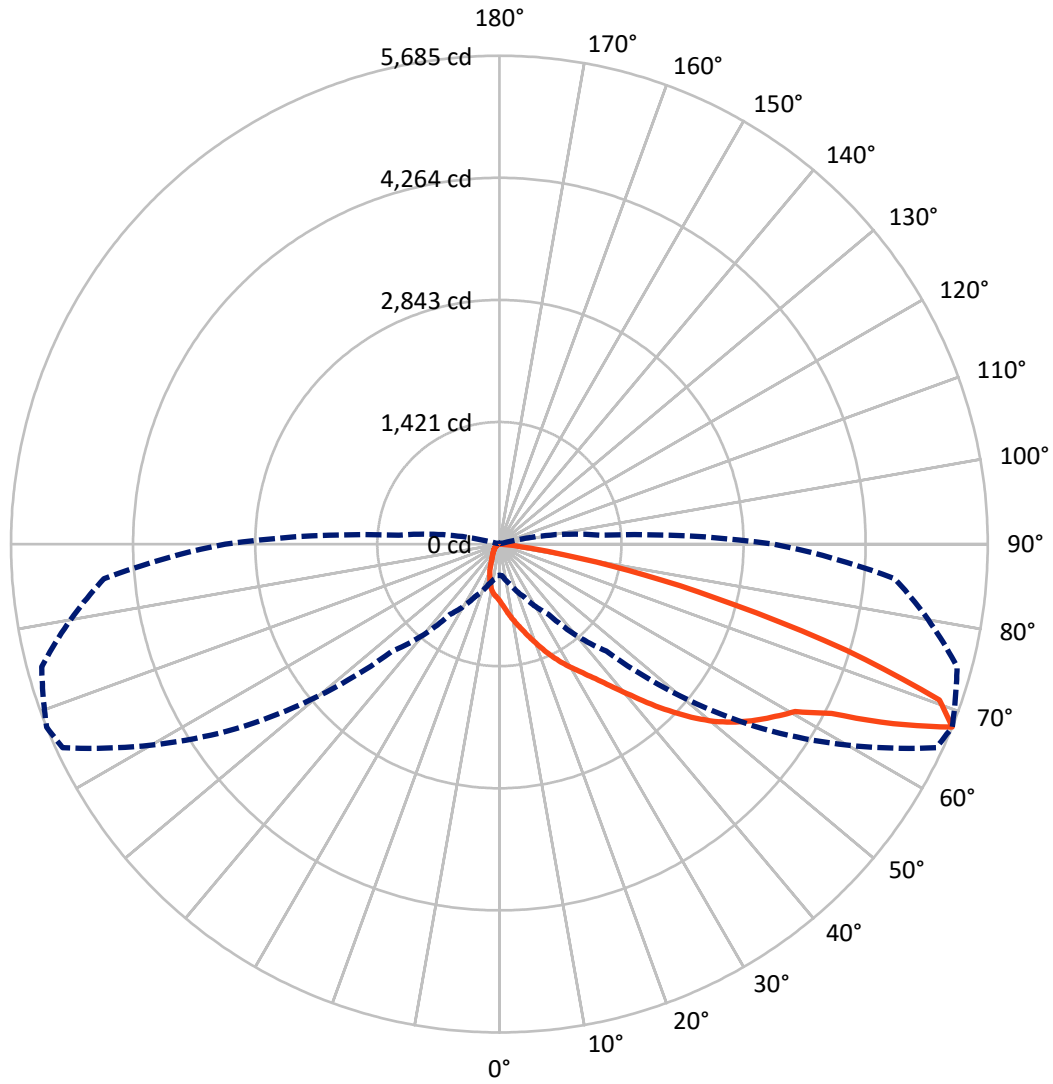
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.6 fc
 Type II - Short - N/A

REPORT NUMBER: P630845
CATALOG NUMBER: GWS-SA1E-740-U-T2-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P630845
 CATALOG NUMBER: GWS-SA1E-740-U-T2-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	409.9	0.0	409.9
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	5266.2	0.0	5266.2
	% Fixture	92.8	0.0	92.8
Total	Lumens	5676.1	0.0	5676.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.4	1.1
10°-20°	185.0	3.3
20°-30°	317.9	5.6
30°-40°	552.8	9.7
40°-50°	964.5	17.0
50°-60°	1454.8	25.6
60°-70°	1458.7	25.7
70°-80°	643.6	11.3
80°-90°	34.4	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°	5676.1	100.0
0°-180°	5676.1	100.0

Coefficient of Utilization



REPORT NUMBER: P630845

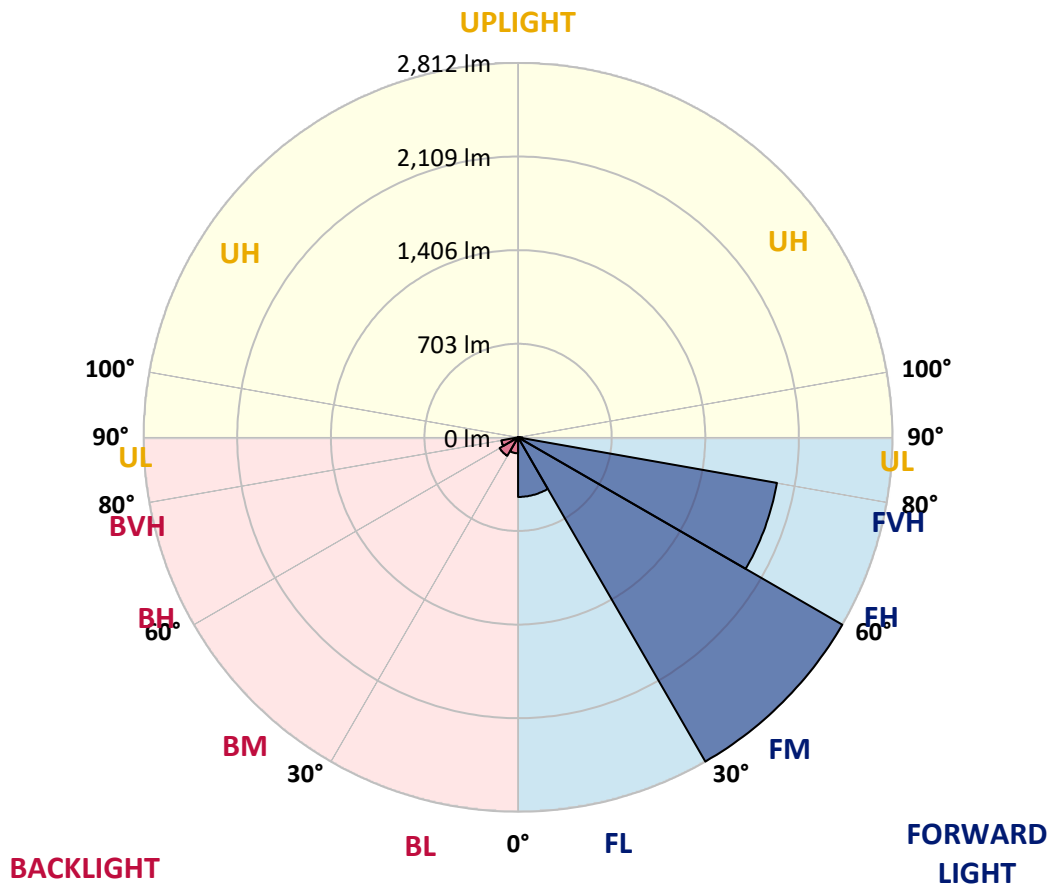
CATALOG NUMBER: GWS-SA1E-740-U-T2-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	447.4	7.9			
FM (30°-60°)	2811.9	49.5			
FH (60°-80°)	1974.4	34.8			G2/5000
FVH (80°-90°)	32.4	0.6			G1/100
BL (0°-30°)	119.9	2.1	B1/500		
BM (30°-60°)	160.1	2.8	B0/220		
BH (60°-80°)	127.9	2.3	B1/500		G1/500
BVH (80°-90°)	1.9	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-G2

Type II Short





REPORT NUMBER: P630845

CATALOG NUMBER: GWS-SA1E-740-U-T2-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	660.6	660.6	660.6	660.6	660.6	660.6	660.6	660.6	660.6	660.6	660.6
2.5°	769.2	774.1	769.2	770.3	756.2	749.6	735.5	716.0	711.1	698.6	679.6
5°	863.2	867.5	862.6	861.5	845.2	833.3	809.9	776.3	766.5	742.0	704.6
7.5°	914.2	917.0	918.6	921.3	915.3	905.5	884.4	842.5	832.2	792.6	739.9
10°	919.7	921.8	930.0	946.3	958.2	964.2	952.3	913.7	897.4	858.8	783.3
12.5°	904.5	907.7	920.8	947.9	981.1	1011.5	1019.1	985.4	970.7	921.3	834.4
15°	884.4	887.1	905.0	941.9	991.9	1047.9	1079.4	1064.7	1048.4	996.8	890.9
17.5°	853.4	857.2	882.2	932.2	996.8	1076.7	1144.6	1149.5	1138.0	1082.1	953.3
20°	836.0	838.7	861.0	912.6	993.5	1097.8	1205.4	1251.6	1239.1	1180.4	1025.1
22.5°	850.7	852.9	867.5	907.7	982.7	1109.8	1261.9	1353.7	1346.6	1285.8	1100.6
25°	927.8	934.9	926.2	933.2	987.6	1116.3	1307.5	1455.8	1457.5	1396.1	1178.8
27.5°	1084.3	1075.0	1054.4	1019.1	1025.6	1133.7	1346.6	1552.0	1566.1	1503.6	1248.3
30°	1243.4	1238.0	1225.5	1170.6	1125.0	1172.3	1379.8	1650.3	1672.6	1609.6	1310.2
32.5°	1422.1	1427.6	1405.3	1339.6	1261.9	1250.5	1414.0	1743.7	1785.6	1729.6	1383.0
35°	1635.6	1637.3	1593.3	1520.5	1432.5	1379.8	1475.4	1846.9	1924.1	1882.8	1480.3
37.5°	1843.7	1853.5	1829.6	1714.9	1636.7	1540.6	1577.0	1979.5	2088.1	2071.8	1602.5
40°	2027.8	2043.0	2035.4	1924.6	1822.0	1741.0	1734.5	2134.8	2286.4	2304.9	1763.8
42.5°	2174.5	2184.3	2190.3	2111.5	2020.8	1975.1	1929.0	2315.2	2520.5	2596.0	1961.6
45°	2329.3	2332.6	2345.1	2291.8	2212.5	2216.3	2158.8	2534.1	2767.2	2918.7	2188.6
47.5°	2526.5	2537.4	2531.4	2475.4	2403.7	2446.7	2396.1	2759.6	3010.5	3263.1	2421.1
50°	2766.6	2778.0	2772.6	2707.4	2627.5	2645.5	2614.0	2978.5	3245.2	3588.0	2614.5
52.5°	2890.5	2899.7	2967.1	2996.4	2954.6	2840.5	2799.7	3219.1	3443.5	3855.2	2792.1
55°	2830.7	2837.2	2983.9	3107.8	3260.9	3146.9	2986.6	3404.9	3618.4	4063.8	2924.1
57.5°	2583.0	2618.3	2817.7	3027.4	3349.5	3449.4	3289.7	3607.0	3786.8	4208.9	3054.0
60°	2075.1	2073.5	2359.2	2735.6	3176.7	3532.5	3717.8	3880.2	3955.7	4320.2	3227.8
62.5°	1146.7	1157.1	1537.3	2033.3	2696.5	3317.4	4038.8	4352.3	4340.9	4514.7	3500.0
65°	570.9	591.6	798.0	1164.7	1794.3	2741.6	4094.2	5072.6	5040.0	4972.6	4062.2
67.5°	362.3	370.5	484.6	676.9	997.3	1762.2	3749.3	5609.8	5685.3	5515.8	4620.1
70°	234.7	248.3	336.8	462.8	601.9	908.3	2746.5	5261.6	5434.9	5456.1	4272.4
72.5°	127.7	137.4	215.1	330.3	434.6	454.1	1542.7	3948.7	4227.3	4628.2	3342.4
75°	72.8	79.9	117.9	224.3	318.9	276.5	683.9	2643.3	2820.9	3307.7	2395.1
77.5°	44.0	50.0	66.3	109.2	199.9	184.7	258.6	1609.0	1722.0	1973.5	1257.0
80°	20.1	23.9	41.8	60.3	109.2	87.5	98.9	750.2	774.6	809.9	416.1
82.5°	9.2	10.9	19.0	35.9	61.9	50.5	38.0	173.3	243.9	230.9	105.9
85°	1.1	1.1	7.1	14.7	17.4	13.0	15.8	39.1	49.4	69.5	30.4
87.5°	0.0	0.0	0.5	0.5	1.1	1.6	3.3	4.9	7.1	11.4	7.6
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: P630845

CATALOG NUMBER: GWS-SA1E-740-U-T2-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	660.6	660.6	660.6	660.6	660.6	660.6	660.6	660.6	660.6	660.6	660.6
2.5°	670.9	655.7	642.1	622.0	608.4	593.2	582.9	570.4	565.5	561.7	556.3
5°	686.1	661.6	628.5	591.6	561.1	532.4	505.7	488.4	473.1	471.0	463.4
7.5°	711.1	674.7	618.7	558.4	506.8	459.0	421.5	391.1	375.9	371.0	362.3
10°	744.2	694.2	604.1	511.7	437.3	380.3	337.9	303.7	279.8	271.1	264.5
12.5°	781.1	712.2	580.7	454.1	369.4	304.2	250.4	214.0	198.8	193.4	188.5
15°	823.5	729.0	543.8	396.5	303.1	223.8	185.8	170.0	163.5	161.9	160.2
17.5°	864.3	739.9	499.8	336.8	233.0	173.8	155.9	149.9	148.3	146.7	145.6
20°	910.4	747.5	448.2	280.3	180.9	147.2	138.5	134.2	130.9	127.7	127.1
22.5°	957.7	747.5	392.2	224.9	151.6	132.0	122.2	114.1	108.1	104.8	103.8
25°	1002.8	737.1	336.8	179.8	133.6	117.3	104.8	95.6	87.5	83.7	82.6
27.5°	1034.8	710.5	288.4	152.1	121.1	104.3	89.1	78.8	72.2	68.4	67.9
30°	1054.9	670.9	243.9	135.8	110.3	90.7	75.5	66.8	61.9	59.2	58.1
32.5°	1070.1	622.0	204.3	124.4	100.0	78.8	65.7	58.7	54.3	52.1	51.6
35°	1100.6	575.8	174.9	114.1	89.1	69.0	57.6	52.1	48.9	46.2	45.6
37.5°	1142.9	537.2	151.6	104.8	78.8	61.4	52.1	47.3	44.5	41.8	41.3
40°	1205.4	512.8	134.2	95.6	69.5	55.4	47.8	43.5	39.7	36.9	36.4
42.5°	1301.6	501.4	122.8	86.4	61.4	50.0	44.0	38.6	34.8	32.0	31.5
45°	1416.2	507.4	113.0	77.1	56.0	46.2	39.1	33.7	29.9	27.2	26.6
47.5°	1538.9	528.6	104.8	68.4	50.5	42.4	34.8	28.8	25.5	22.8	22.3
50°	1667.1	563.3	97.8	60.3	46.2	38.0	29.9	25.0	21.7	19.6	19.0
52.5°	1778.5	610.6	90.7	54.3	42.4	33.7	26.1	21.7	18.5	16.3	15.8
55°	1885.0	655.1	85.3	48.9	38.0	29.3	22.8	18.5	15.8	13.6	13.0
57.5°	2000.7	702.4	78.8	44.0	34.2	26.1	20.1	15.8	13.6	11.4	10.9
60°	2169.1	772.5	69.0	40.2	29.9	22.8	17.4	14.1	12.0	9.2	8.7
62.5°	2411.9	900.1	58.1	34.8	25.5	19.6	14.7	12.0	9.8	7.6	6.5
65°	2866.0	1117.4	47.8	28.8	20.6	16.3	12.5	9.8	7.6	5.4	4.9
67.5°	3193.0	1173.9	38.6	23.4	16.8	12.5	10.3	7.6	5.4	3.8	3.3
70°	2791.6	843.1	29.9	19.0	14.1	9.8	8.1	6.0	3.8	2.7	2.2
72.5°	2103.3	550.8	22.3	14.7	10.9	8.1	6.0	4.9	3.3	2.2	1.6
75°	1482.4	318.3	16.3	10.9	7.6	6.0	4.9	3.8	2.7	1.6	1.6
77.5°	760.0	131.5	11.4	7.6	5.4	3.8	3.3	2.2	2.2	1.6	1.1
80°	230.9	43.5	6.5	4.9	3.8	2.7	1.6	1.6	1.6	1.1	0.5
82.5°	52.7	14.1	3.8	3.8	2.7	2.2	1.6	0.5	0.5	0.0	0.0
85°	13.6	4.3	3.3	2.7	2.7	2.2	1.1	0.5	0.0	0.0	0.0
87.5°	4.9	2.7	2.7	2.7	2.2	1.6	1.1	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)