

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: P630908

Luminaire Tested: GWS-SA1E-750-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630908
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-750-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5690.6 lumens
Efficiency: N/A
Efficacy: 97.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

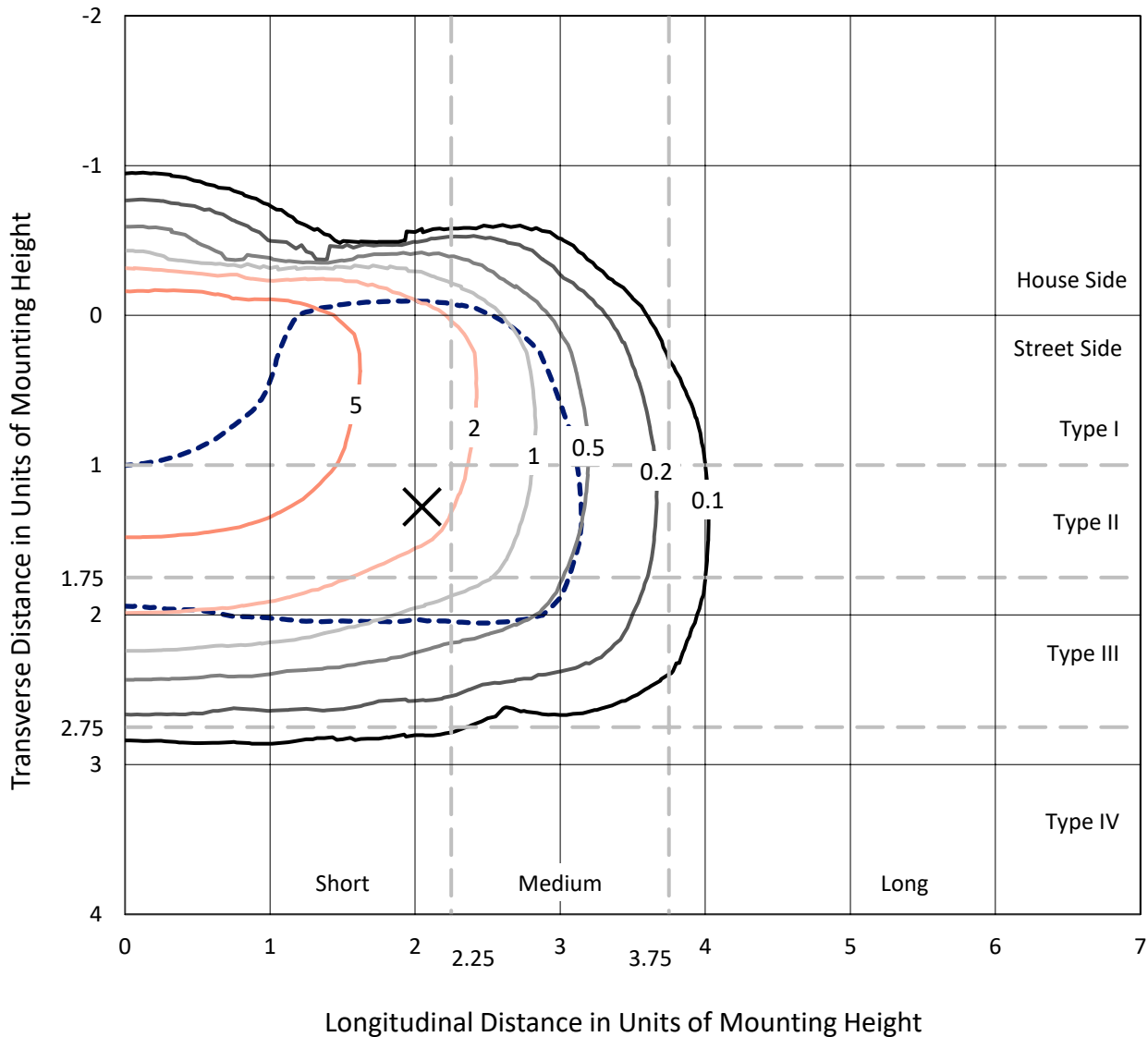
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630908
 CATALOG NUMBER: GWS-SA1E-750-U-T3-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

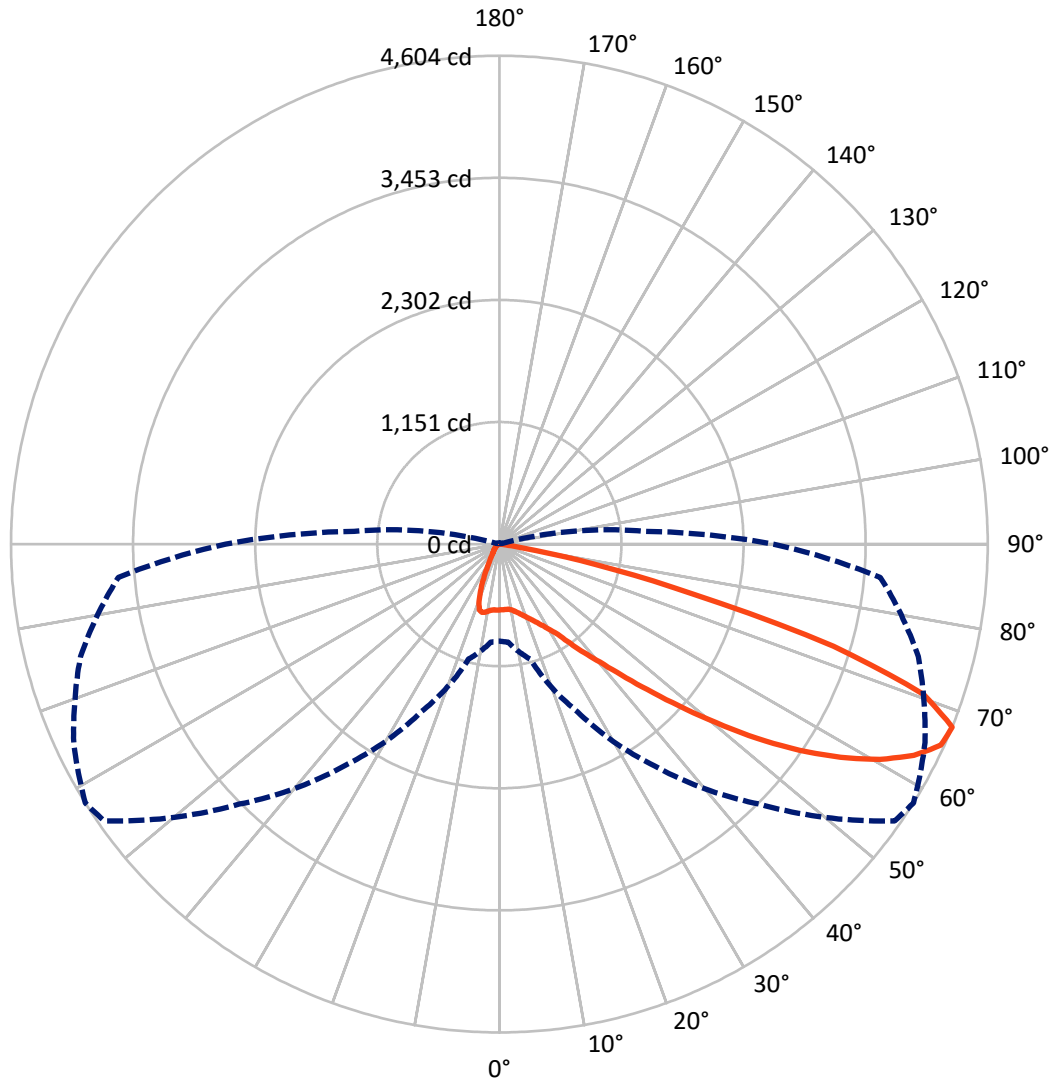
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.6 fc
 Type III - Short - N/A

REPORT NUMBER: P630908
CATALOG NUMBER: GWS-SA1E-750-U-T3-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P630908

CATALOG NUMBER: GWS-SA1E-750-U-T3-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	620.8	0.0	620.8
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	5069.8	0.0	5069.8
	% Fixture	89.1	0.0	89.1
Total	Lumens	5690.6	0.0	5690.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.3	1.0
10°-20°	163.6	2.9
20°-30°	285.5	5.0
30°-40°	509.8	9.0
40°-50°	931.9	16.4
50°-60°	1549.8	27.2
60°-70°	1683.4	29.6
70°-80°	494.3	8.7
80°-90°	14.1	0.2
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°	5690.6	100.0
0°-180°	5690.6	100.0

Coefficient of Utilization



REPORT NUMBER: P630908

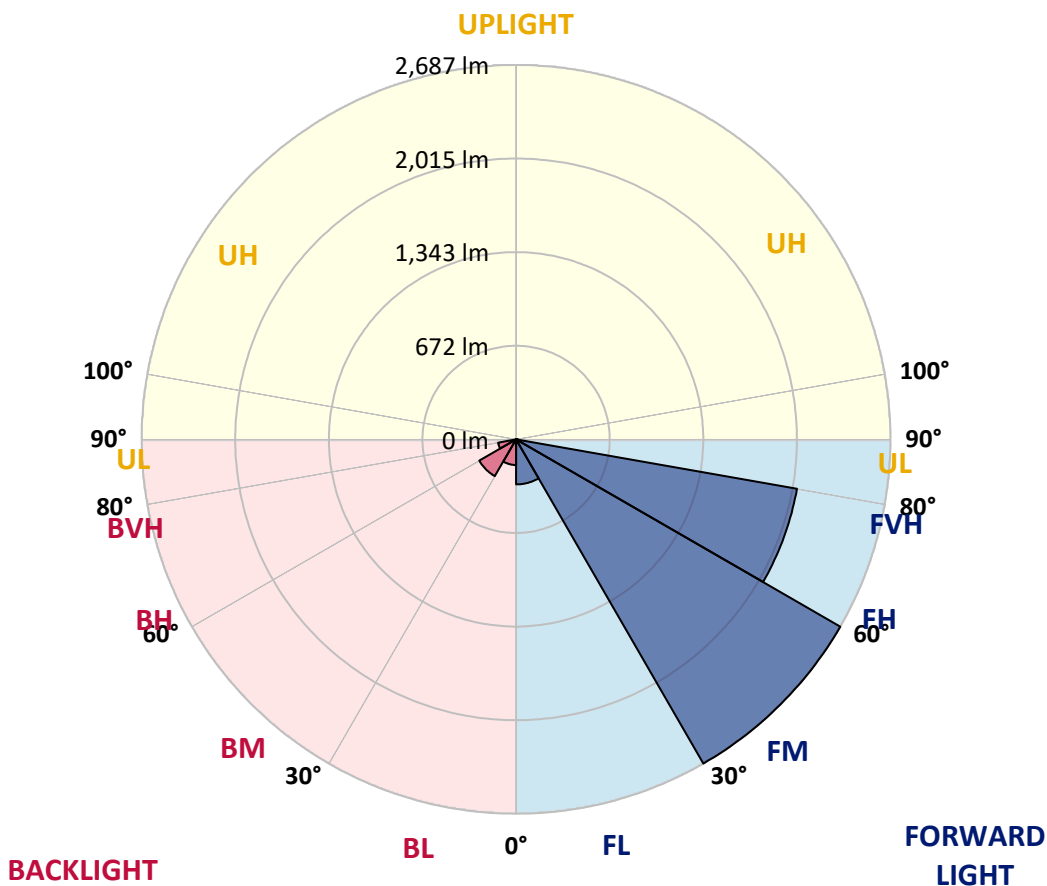
CATALOG NUMBER: GWS-SA1E-750-U-T3-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	323.1	5.7			
FM (30°-60°)	2686.7	47.2			
FH (60°-80°)	2046.6	36.0			G2/5000
FVH (80°-90°)	13.4	0.2			G1/100
BL (0°-30°)	184.2	3.2	B1/500		
BM (30°-60°)	304.9	5.4	B1/1000		
BH (60°-80°)	131.1	2.3	B1/500		G1/500
BVH (80°-90°)	0.7	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 III Short





REPORT NUMBER: P630908

CATALOG NUMBER: GWS-SA1E-750-U-T3-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	620.1	620.1	620.1	620.1	620.1	620.1	620.1	620.1	620.1	620.1	620.1
2.5°	608.4	607.3	607.3	611.8	612.3	614.5	619.5	620.1	622.9	621.8	617.9
5°	576.8	577.3	580.7	588.4	595.1	603.4	615.7	618.4	624.6	627.9	625.7
7.5°	547.3	547.9	552.9	565.1	577.9	594.5	614.5	620.1	632.3	641.2	641.8
10°	536.2	535.6	540.6	554.5	571.2	594.5	623.4	630.7	649.0	664.6	667.3
12.5°	539.5	539.0	544.0	556.8	575.1	604.5	639.0	649.0	672.3	696.2	701.2
15°	552.9	552.3	555.6	566.2	586.2	616.8	659.0	674.0	703.5	732.3	740.1
17.5°	592.9	590.1	586.8	587.9	599.5	631.2	684.6	702.9	739.6	774.0	780.7
20°	664.0	656.8	647.9	636.2	630.7	652.3	714.0	735.1	779.6	819.0	820.1
22.5°	771.2	768.5	747.9	714.0	690.1	690.7	748.5	772.9	827.4	870.7	864.6
25°	920.7	919.0	887.4	831.8	769.6	748.5	792.4	817.4	884.0	930.2	910.7
27.5°	1106.3	1094.6	1057.4	982.4	889.6	823.5	847.9	870.1	944.0	987.4	950.7
30°	1268.0	1268.5	1233.5	1155.2	1050.7	936.3	915.7	935.2	999.1	1044.6	1000.2
32.5°	1423.6	1428.6	1390.2	1319.7	1205.2	1083.5	1012.9	1016.3	1069.6	1119.1	1065.2
35°	1568.0	1571.9	1545.3	1485.3	1378.6	1237.4	1148.5	1146.9	1175.8	1226.3	1155.8
37.5°	1729.7	1733.6	1707.5	1653.6	1553.6	1413.6	1302.4	1300.2	1311.9	1353.0	1272.4
40°	1902.0	1909.2	1880.3	1834.8	1739.2	1620.8	1481.4	1461.4	1449.7	1498.0	1423.6
42.5°	2076.5	2087.6	2077.6	2032.0	1950.3	1852.5	1713.6	1682.5	1657.5	1718.1	1639.2
45°	2293.2	2306.5	2302.1	2267.1	2203.7	2124.2	1993.1	1957.0	1945.3	2001.5	1907.5
47.5°	2501.5	2516.0	2532.1	2524.3	2479.3	2442.6	2297.1	2276.5	2273.2	2333.2	2187.6
50°	2656.6	2669.9	2731.6	2776.0	2806.6	2798.8	2672.7	2642.1	2637.1	2675.5	2483.2
52.5°	2767.7	2780.5	2865.5	3004.4	3116.6	3177.8	3050.5	3043.9	3016.6	3003.3	2759.9
55°	2853.8	2871.6	2961.1	3171.1	3397.2	3532.8	3453.4	3429.5	3359.5	3282.8	3016.6
57.5°	2871.0	2878.3	3004.4	3287.8	3615.1	3834.5	3834.5	3792.9	3657.8	3551.7	3313.3
60°	2716.6	2738.8	2909.4	3278.3	3708.4	4031.8	4150.7	4121.8	3939.6	3809.0	3598.9
62.5°	2373.7	2398.7	2606.6	3052.2	3615.1	4072.4	4390.2	4385.7	4180.2	4021.8	3835.7
65°	1820.3	1838.6	2019.8	2553.2	3220.5	3916.2	4561.3	4573.6	4370.2	4162.4	3917.3
67.5°	914.6	927.4	1123.0	1744.2	2552.7	3466.7	4549.7	4604.1	4428.0	4087.9	3605.6
70°	319.5	332.3	424.5	748.5	1553.6	2647.1	4156.3	4245.2	4088.5	3489.5	2659.9
72.5°	109.5	115.6	176.1	277.8	604.5	1569.2	3160.5	3294.4	3013.8	2342.6	1528.6
75°	62.2	66.1	94.5	150.6	253.4	516.2	1793.1	1875.3	1757.0	1276.9	629.0
77.5°	42.2	45.6	58.9	85.6	140.0	166.1	731.2	920.7	802.9	416.7	160.6
80°	25.0	27.2	36.1	50.6	71.7	64.5	156.7	208.4	268.4	124.5	48.3
82.5°	11.7	13.3	23.3	33.3	36.1	27.2	46.1	56.1	75.6	61.1	20.0
85°	0.0	0.0	7.8	13.9	13.3	7.8	12.8	13.9	20.6	30.6	7.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.6	1.1	1.7	3.3	6.1	3.3
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: P630908

CATALOG NUMBER: GWS-SA1E-750-U-T3-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	620.1	620.1	620.1	620.1	620.1	620.1	620.1	620.1	620.1	620.1	620.1
2.5°	622.3	618.4	622.9	620.7	622.9	622.3	617.9	615.1	615.1	610.1	608.4
5°	630.1	626.2	627.3	622.3	621.2	618.4	612.9	610.7	610.7	605.7	604.0
7.5°	647.3	641.2	640.1	630.1	625.7	617.9	607.9	604.0	603.4	598.4	596.8
10°	674.6	667.3	662.3	649.6	636.8	621.2	600.1	582.3	572.3	559.0	557.9
12.5°	707.9	699.0	691.2	671.8	650.7	615.7	553.4	488.4	448.4	416.7	419.0
15°	745.1	736.8	724.6	695.1	651.8	560.7	430.6	330.6	281.7	255.6	254.5
17.5°	785.7	773.5	753.5	713.5	616.8	428.4	280.0	197.8	172.3	163.4	161.1
20°	823.5	808.5	783.5	717.3	515.6	290.0	175.0	153.4	148.9	146.1	146.1
22.5°	863.5	844.6	807.4	687.3	383.4	185.6	148.9	143.9	140.6	136.7	136.1
25°	904.0	879.6	829.0	609.0	251.2	146.1	139.5	133.9	127.8	121.7	120.0
27.5°	938.5	906.8	845.7	492.3	161.1	131.7	127.2	117.8	109.5	102.8	101.7
30°	979.6	939.0	852.9	360.1	126.7	116.1	109.5	99.5	89.5	82.8	80.6
32.5°	1034.6	990.2	841.8	234.5	112.2	102.2	91.7	80.0	70.0	62.8	61.7
35°	1120.2	1067.4	790.7	149.5	101.7	88.3	75.6	63.3	55.0	49.5	48.3
37.5°	1224.7	1175.8	706.8	112.2	91.1	76.7	61.7	50.0	43.9	40.0	38.9
40°	1379.7	1311.3	602.9	98.4	80.6	65.0	50.6	41.1	36.7	33.3	32.2
42.5°	1580.8	1471.4	483.4	89.5	70.6	54.5	41.1	33.9	30.0	27.8	27.2
45°	1815.9	1627.5	357.3	80.6	61.1	45.0	33.9	27.8	25.0	23.3	22.8
47.5°	2056.5	1764.2	246.7	71.1	52.2	37.2	28.3	23.9	21.7	19.4	18.9
50°	2313.2	1879.8	168.4	61.7	44.5	30.6	24.4	21.7	18.9	17.2	16.7
52.5°	2501.5	1922.5	117.2	53.3	37.8	26.1	21.7	19.4	17.2	15.0	14.4
55°	2675.5	1921.4	88.9	45.0	32.2	22.8	19.4	17.2	15.0	13.3	12.8
57.5°	2848.8	1906.4	70.0	38.3	27.8	20.6	17.2	15.0	13.9	11.7	11.1
60°	2961.1	1849.8	54.5	32.2	23.9	17.8	15.0	13.3	11.7	10.0	9.4
62.5°	3020.5	1770.9	41.7	25.6	19.4	15.6	13.3	11.7	10.0	8.3	7.8
65°	2939.9	1630.8	32.8	20.0	15.0	13.3	11.1	9.4	7.8	6.1	5.6
67.5°	2582.7	1375.2	25.6	16.1	11.7	10.0	9.4	7.8	5.6	4.4	3.9
70°	1825.3	941.8	20.0	12.2	8.9	7.8	7.2	6.1	4.4	3.3	2.8
72.5°	1001.8	475.1	14.4	8.9	6.7	6.1	5.6	5.0	3.9	2.8	2.8
75°	385.6	130.6	10.6	6.1	4.4	4.4	3.9	3.9	3.3	2.2	2.2
77.5°	100.6	38.9	6.7	3.9	2.8	2.8	2.8	2.2	2.2	1.7	1.7
80°	32.2	12.8	3.9	2.8	2.2	1.7	1.7	1.1	1.7	1.1	1.1
82.5°	10.6	4.4	2.2	2.2	1.7	1.1	1.1	0.6	0.6	0.0	0.0
85°	3.9	2.2	1.7	1.1	1.1	1.1	0.6	0.0	0.0	0.0	0.0
87.5°	2.2	1.1	1.1	1.1	1.1	0.6	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)