

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: P629969

Luminaire Tested: GWS-SA1C-760-U-T2R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629969
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-SA1C-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: 3910.9 lumens
Efficiency: N/A
Efficacy: 114.7 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

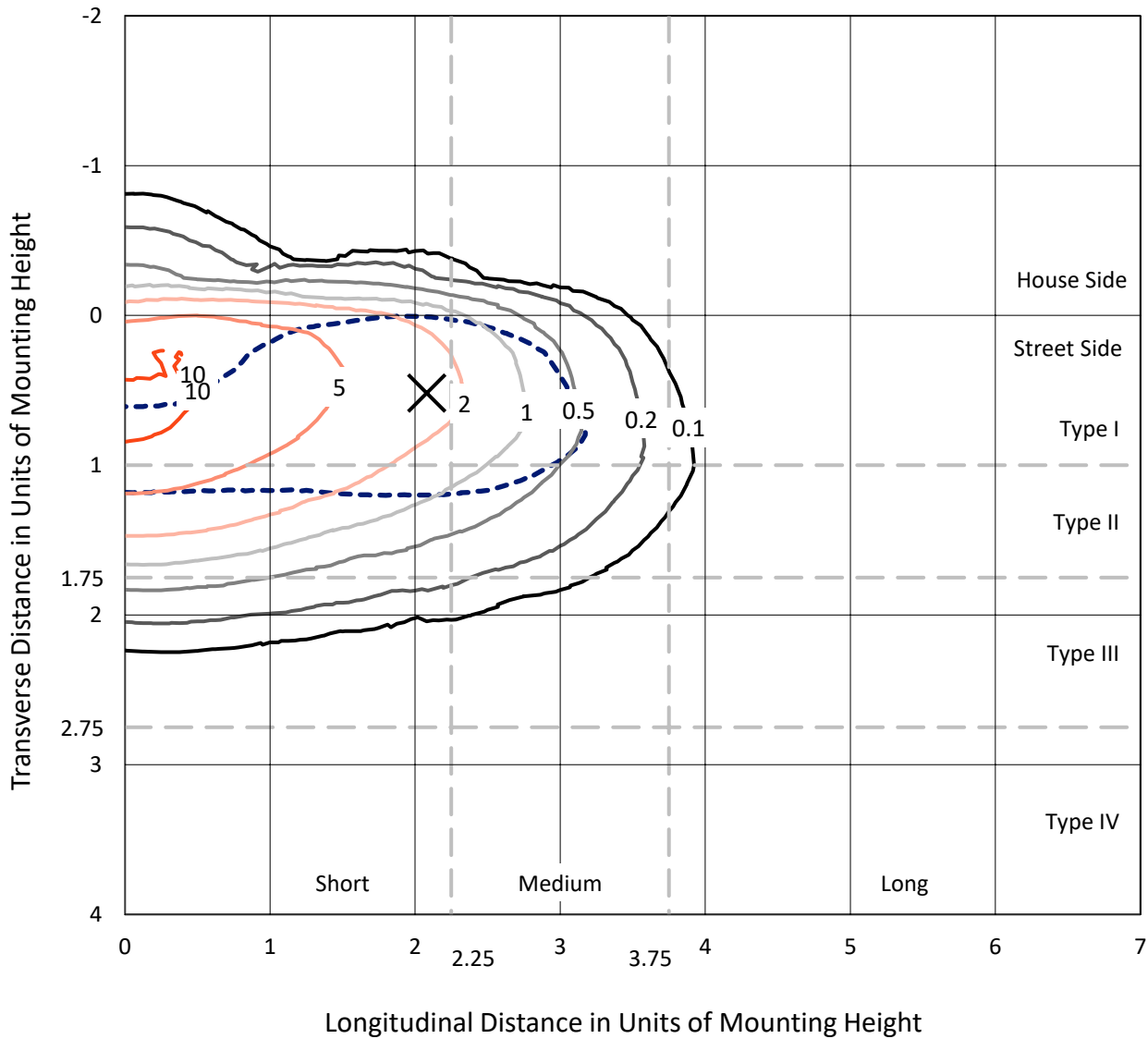
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629969
 CATALOG NUMBER: GWS-SA1C-760-U-T2R-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

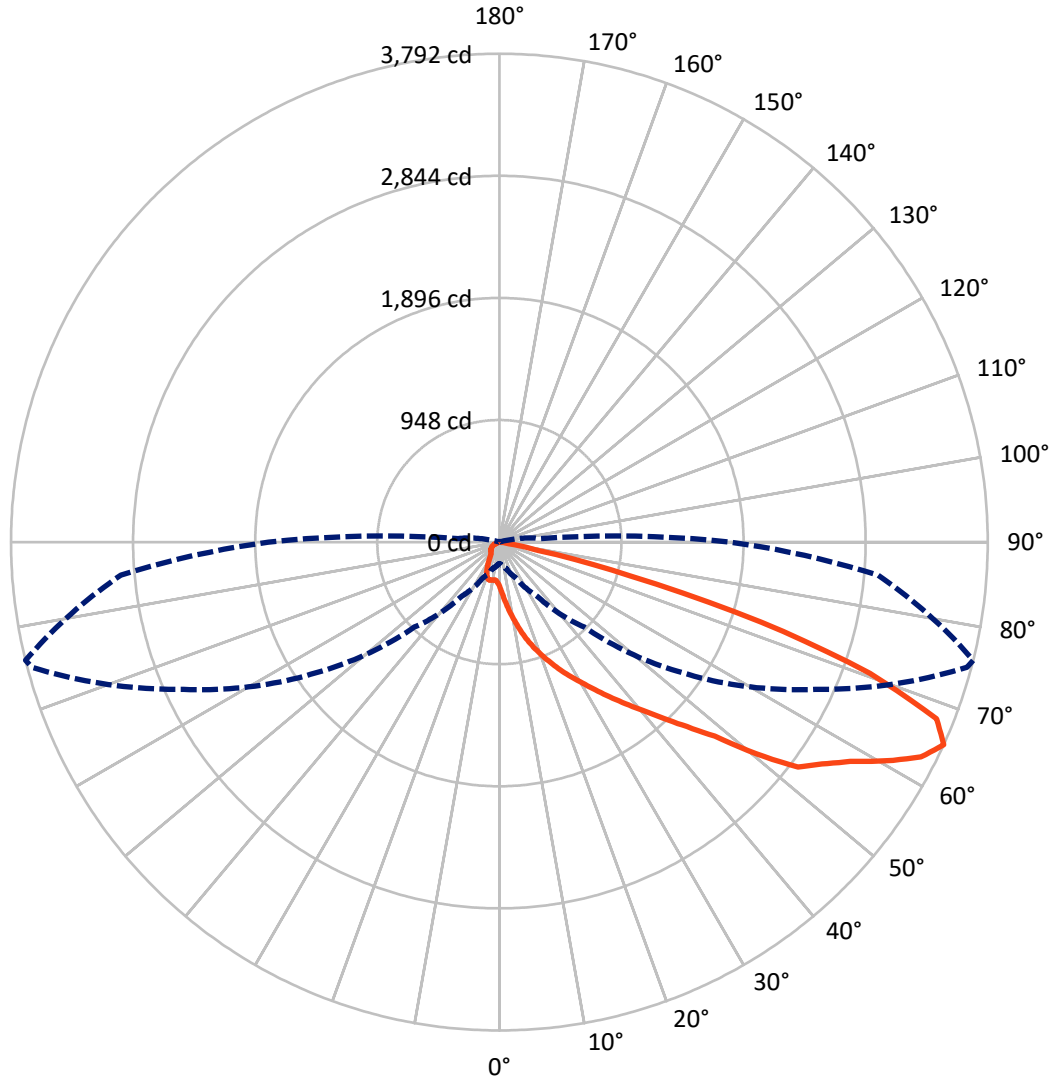
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.7 fc
 Type II - Short - N/A

REPORT NUMBER: P629969
CATALOG NUMBER: GWS-SA1C-760-U-T2R-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P629969
 CATALOG NUMBER: GWS-SA1C-760-U-T2R-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	216.2	0.0	216.2
	% Fixture	5.5	0.0	5.5
Street Side	Lumens	3694.7	0.0	3694.7
	% Fixture	94.5	0.0	94.5
Total	Lumens	3910.9	0.0	3910.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.1	1.1
10°-20°	159.8	4.1
20°-30°	326.1	8.3
30°-40°	580.0	14.8
40°-50°	857.3	21.9
50°-60°	981.6	25.1
60°-70°	748.9	19.1
70°-80°	209.8	5.4
80°-90°	5.3	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°	3910.9	100.0
0°-180°	3910.9	100.0

Coefficient of Utilization



REPORT NUMBER: P629969

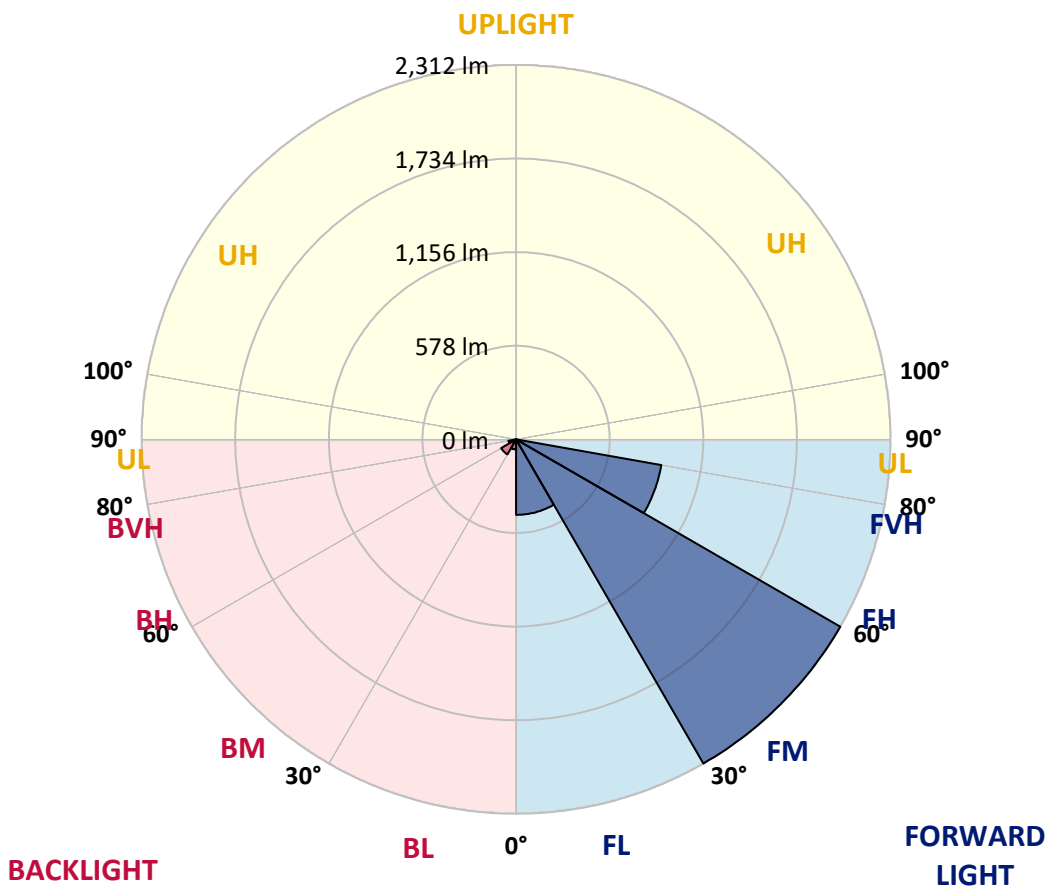
CATALOG NUMBER: GWS-SA1C-760-U-T2R-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	466.3	11.9			
FM (30°-60°)	2312.2	59.1			
FH (60°-80°)	911.1	23.3			G1/1800
FVH (80°-90°)	5.0	0.1			G0/10
BL (0°-30°)	61.7	1.6	B0/110		
BM (30°-60°)	106.7	2.7	B0/220		
BH (60°-80°)	47.5	1.2	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 II Short





REPORT NUMBER: P629969

CATALOG NUMBER: GWS-SA1C-760-U-T2R-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	346.3	346.3	346.3	346.3	346.3	346.3	346.3	346.3	346.3	346.3	346.3
2.5°	533.6	541.6	535.4	524.9	504.8	485.3	460.3	425.9	398.4	394.9	369.2
5°	720.7	720.0	706.4	692.9	671.7	638.3	587.9	523.9	462.4	457.2	399.4
7.5°	831.9	833.0	825.3	814.9	794.0	759.6	707.1	629.9	539.9	529.5	440.8
10°	925.4	925.1	919.5	914.7	895.9	872.9	816.6	731.8	623.3	607.0	487.1
12.5°	995.7	998.1	1000.9	1005.7	997.7	975.2	922.0	829.5	707.8	689.7	539.9
15°	1051.3	1052.0	1062.4	1081.2	1087.8	1076.0	1027.6	924.0	791.2	775.6	600.7
17.5°	1068.0	1069.4	1087.1	1121.5	1156.3	1162.9	1126.4	1019.3	873.3	856.6	659.8
20°	1103.1	1106.2	1119.4	1149.7	1193.5	1228.9	1214.7	1115.6	955.3	933.4	720.3
22.5°	1213.6	1215.4	1210.9	1214.7	1237.3	1278.3	1287.0	1208.8	1039.5	1016.2	785.7
25°	1403.8	1404.5	1372.9	1343.0	1325.9	1333.6	1352.7	1294.6	1122.9	1100.0	846.5
27.5°	1601.3	1603.7	1565.8	1515.0	1454.2	1419.4	1413.9	1373.2	1207.0	1181.7	906.7
30°	1787.3	1787.3	1747.3	1685.4	1604.0	1536.3	1496.3	1452.5	1297.1	1269.3	968.2
32.5°	1954.5	1953.1	1902.0	1834.9	1754.6	1680.2	1596.1	1535.2	1397.2	1366.3	1039.1
35°	2092.5	2089.0	2031.0	1966.6	1880.8	1825.5	1731.6	1624.2	1505.7	1474.7	1112.1
37.5°	2196.8	2193.0	2139.8	2071.6	1992.0	1956.2	1877.6	1730.9	1620.0	1591.9	1193.1
40°	2253.5	2245.8	2209.0	2158.2	2091.4	2060.2	2027.5	1863.4	1754.6	1719.5	1288.7
42.5°	2270.1	2261.1	2236.8	2213.1	2172.8	2148.1	2183.2	2012.9	1902.3	1872.1	1397.9
45°	2220.8	2215.6	2213.5	2230.5	2237.8	2244.8	2331.3	2178.4	2065.4	2042.4	1535.2
47.5°	2101.9	2100.5	2118.9	2189.8	2267.0	2340.4	2492.3	2382.4	2276.7	2252.1	1727.1
50°	1882.2	1896.4	1947.9	2072.3	2226.7	2394.6	2642.8	2665.4	2618.8	2582.7	1977.4
52.5°	1538.7	1566.2	1681.6	1870.7	2092.5	2379.3	2712.3	2892.1	2939.7	2902.2	2156.8
55°	1207.4	1233.1	1336.0	1575.9	1871.7	2262.8	2715.5	2970.3	3074.3	3039.5	2278.1
57.5°	899.4	923.0	1016.5	1246.0	1571.4	2033.7	2641.1	3013.8	3233.8	3211.6	2469.7
60°	587.9	611.2	695.6	896.2	1218.9	1700.0	2457.9	3004.7	3451.1	3449.0	2705.0
62.5°	326.1	344.5	405.7	562.1	850.7	1316.5	2170.0	2914.0	3661.4	3674.6	2899.0
65°	166.9	178.7	215.9	309.1	514.9	933.4	1791.4	2706.1	3758.8	3792.1	2950.1
67.5°	109.2	113.0	122.0	160.6	275.7	587.2	1348.2	2372.7	3621.8	3660.7	2778.7
70°	88.7	91.8	97.0	107.1	142.2	311.8	885.5	1895.0	3026.3	3052.7	2212.8
72.5°	65.0	69.2	79.3	85.9	102.6	171.0	460.6	1243.9	2078.2	2124.8	1390.6
75°	48.0	50.4	58.8	67.8	83.8	108.1	176.3	653.9	1073.2	1046.1	584.0
77.5°	28.9	30.6	37.5	43.5	59.8	67.4	61.5	241.6	326.4	307.0	141.1
80°	14.3	16.0	24.7	32.7	38.2	27.1	25.7	67.4	72.7	72.7	35.5
82.5°	4.9	6.3	13.2	21.6	18.8	10.4	12.2	17.4	19.5	20.5	10.4
85°	0.0	0.0	3.1	6.3	2.8	1.4	3.1	3.8	4.9	5.2	3.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.0	1.4	1.4
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: P629969

CATALOG NUMBER: GWS-SA1C-760-U-T2R-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	346.3	346.3	346.3	346.3	346.3	346.3	346.3	346.3	346.3	346.3	346.3
2.5°	355.3	339.0	314.3	292.0	275.0	259.0	246.8	237.1	235.4	229.8	230.5
5°	371.3	341.7	296.2	261.1	236.4	219.7	205.8	195.4	190.9	186.3	182.9
7.5°	396.0	353.2	289.2	246.5	217.6	191.9	170.3	153.0	144.6	139.4	135.9
10°	426.2	369.2	289.6	237.8	195.0	155.7	126.2	107.1	98.0	95.3	94.9
12.5°	462.4	389.4	292.4	223.5	162.4	115.8	93.5	84.8	82.0	79.6	79.6
15°	500.6	412.0	292.4	197.5	123.8	90.4	81.0	75.4	72.0	70.6	69.9
17.5°	540.9	433.2	285.4	161.7	94.9	79.6	72.0	66.7	64.0	61.9	61.2
20°	584.0	453.3	268.0	123.8	81.3	71.3	64.0	58.8	56.0	53.9	53.9
22.5°	627.9	472.1	239.9	95.3	72.0	63.3	56.3	51.5	48.7	46.6	46.6
25°	668.5	484.6	203.7	78.6	65.0	56.3	50.1	45.2	42.1	40.7	40.0
27.5°	706.4	492.6	163.7	69.2	58.4	50.4	43.8	39.3	36.9	35.8	35.1
30°	745.7	494.7	125.2	62.9	52.8	44.5	38.2	34.8	32.7	31.3	31.3
32.5°	783.9	492.3	95.6	57.7	48.0	39.3	34.1	30.9	29.2	28.2	27.8
35°	822.9	481.1	77.5	53.2	43.1	34.4	30.2	27.8	26.8	25.4	25.4
37.5°	865.3	466.2	67.4	48.7	38.2	30.9	27.1	25.4	24.0	22.9	22.6
40°	918.1	448.8	61.9	44.8	33.7	27.8	24.3	22.6	21.6	20.5	20.2
42.5°	980.7	431.8	59.1	40.7	30.2	24.7	21.9	19.8	18.8	17.4	17.0
45°	1069.4	428.0	56.0	36.2	27.1	22.2	19.1	17.0	15.6	14.6	14.3
47.5°	1211.9	438.7	50.8	31.3	24.0	19.5	16.3	14.6	12.9	11.8	11.1
50°	1353.4	436.0	45.5	27.1	21.2	16.7	13.9	12.2	10.4	9.4	9.0
52.5°	1430.6	422.7	40.7	24.0	18.4	14.3	11.8	9.7	8.7	7.6	7.3
55°	1500.4	417.5	35.8	20.9	15.6	12.5	9.7	8.0	7.3	6.3	5.9
57.5°	1637.4	429.7	31.6	18.1	13.6	10.8	8.3	6.6	5.9	4.9	4.5
60°	1780.7	431.1	27.1	15.6	11.8	9.0	6.6	5.2	4.5	3.5	3.1
62.5°	1855.4	396.0	22.2	13.2	9.7	7.6	5.6	4.2	3.5	2.1	2.1
65°	1792.8	320.2	18.8	10.8	7.6	5.9	4.2	3.1	2.1	1.0	0.3
67.5°	1586.7	227.7	15.6	8.7	5.6	4.2	3.1	2.1	0.3	0.0	0.0
70°	1161.8	130.0	12.2	6.3	4.2	2.8	2.1	1.0	0.0	0.0	0.0
72.5°	714.1	69.5	9.0	4.2	3.1	2.1	1.7	0.7	0.0	0.0	0.0
75°	270.8	33.4	5.6	2.8	2.4	1.7	1.0	0.3	0.0	0.0	0.0
77.5°	73.4	16.3	3.1	2.1	1.7	1.0	0.7	0.0	0.0	0.0	0.0
80°	19.1	7.6	2.1	1.4	1.0	0.7	0.0	0.0	0.0	0.0	0.0
82.5°	6.6	3.5	1.0	1.0	0.7	0.3	0.0	0.0	0.0	0.0	0.0
85°	2.8	1.4	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.0	0.3	0.3	0.3	0.3	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)