

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: P634534

Luminaire Tested: GWS-SA3B-830-U-T2R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634534
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-SA3B-830-U-T2R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6663.8 lumens
Efficiency: N/A
Efficacy: 97.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

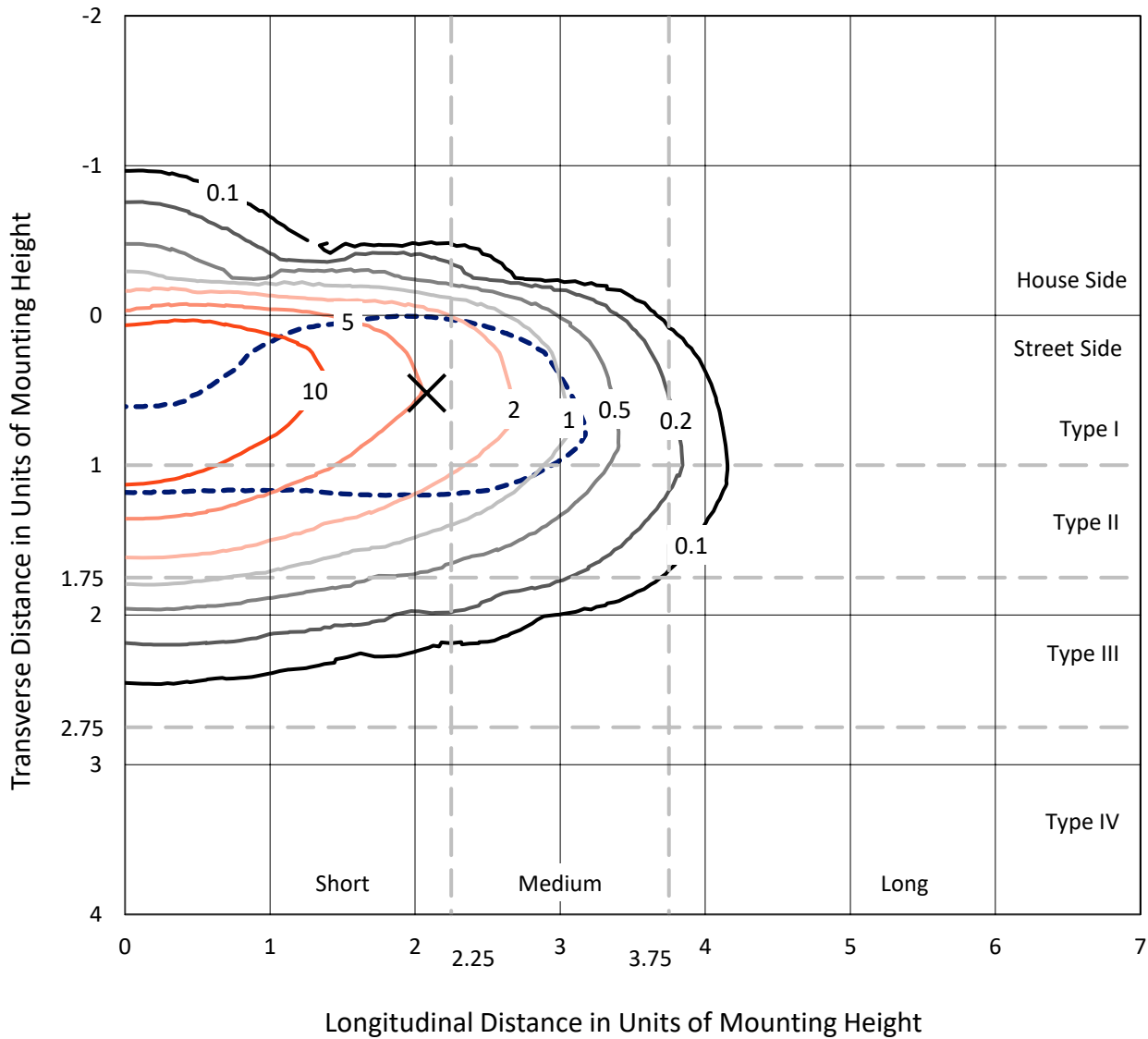
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

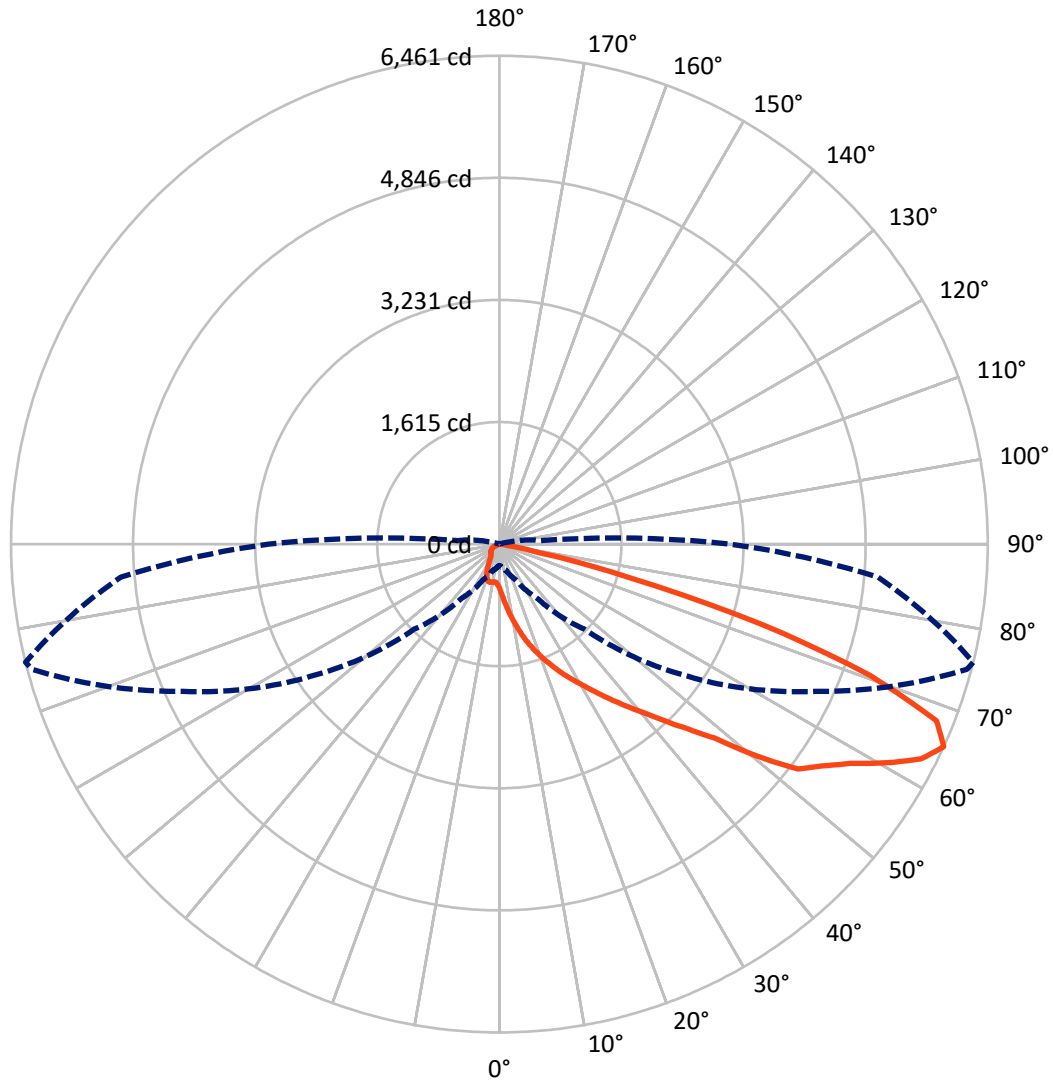
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	368.5	0.0	368.5
	% Fixture	5.5	0.0	5.5
Street Side	Lumens	6295.3	0.0	6295.3
	% Fixture	94.5	0.0	94.5
Total	Lumens	6663.8	0.0	6663.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.8	1.1
10°-20°	272.3	4.1
20°-30°	555.6	8.3
30°-40°	988.2	14.8
40°-50°	1460.8	21.9
50°-60°	1672.5	25.1
60°-70°	1276.1	19.1
70°-80°	357.5	5.4
80°-90°	9.0	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°	6663.8	100.0
0°-180°	6663.8	100.0

Coefficient of Utilization



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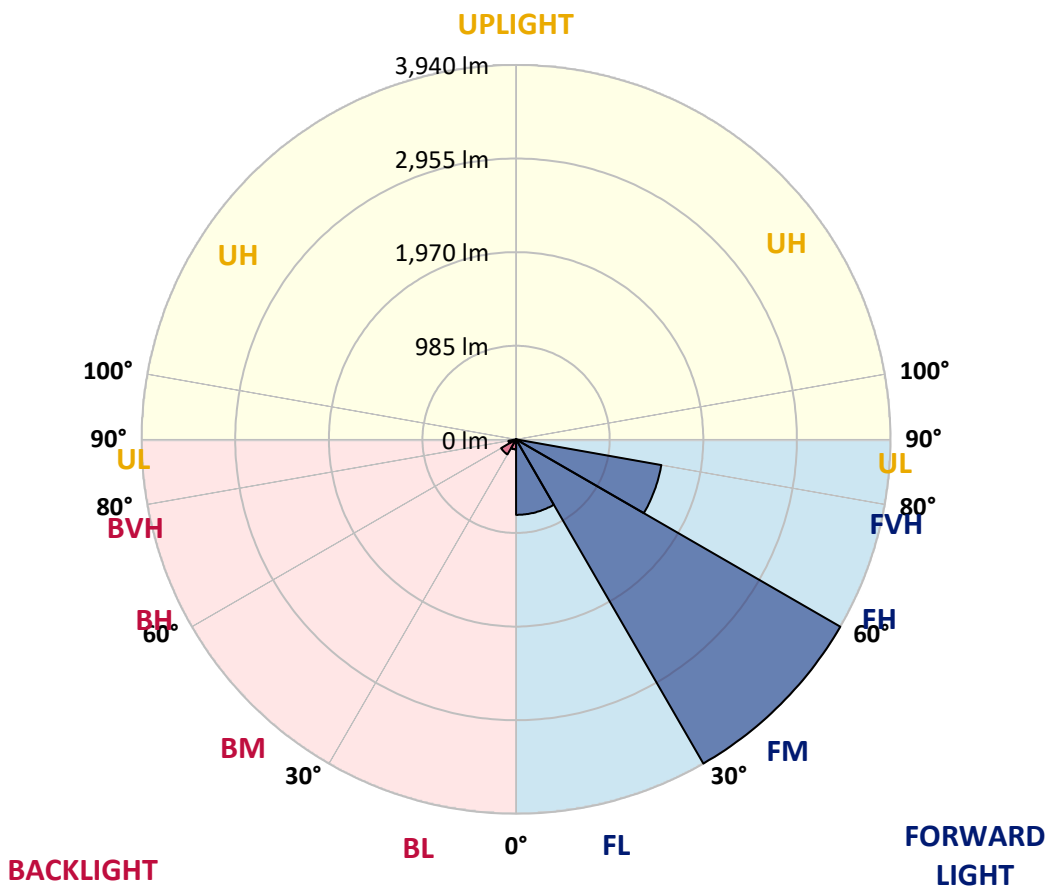
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	794.6	11.9			
FM (30°-60°)	3939.7	59.1			
FH (60°-80°)	1552.5	23.3			G1/1800
FVH (80°-90°)	8.5	0.1			G0/10
BL (0°-30°)	105.1	1.6	B0/110		
BM (30°-60°)	181.8	2.7	B0/220		
BH (60°-80°)	81.0	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	590.0	590.0	590.0	590.0	590.0	590.0	590.0	590.0	590.0	590.0	590.0
2.5°	909.3	922.9	912.2	894.5	860.1	826.9	784.3	725.6	678.8	672.9	629.1
5°	1228.0	1226.8	1203.7	1180.6	1144.4	1087.6	1001.7	892.7	787.8	779.0	680.6
7.5°	1417.5	1419.3	1406.3	1388.5	1352.9	1294.3	1204.9	1073.4	919.9	902.2	751.1
10°	1576.9	1576.3	1566.8	1558.5	1526.5	1487.4	1391.5	1246.9	1062.1	1034.3	829.9
12.5°	1696.5	1700.7	1705.4	1713.7	1700.1	1661.6	1570.9	1413.4	1206.0	1175.2	919.9
15°	1791.3	1792.5	1810.2	1842.2	1853.5	1833.4	1751.0	1574.5	1348.2	1321.6	1023.6
17.5°	1819.7	1822.1	1852.3	1910.9	1970.2	1981.4	1919.2	1736.8	1488.0	1459.6	1124.3
20°	1879.6	1884.9	1907.4	1958.9	2033.6	2094.0	2069.7	1900.9	1627.8	1590.5	1227.4
22.5°	2067.9	2070.9	2063.2	2069.7	2108.2	2178.1	2192.9	2059.6	1771.2	1731.5	1338.7
25°	2391.9	2393.1	2339.2	2288.3	2259.3	2272.3	2304.9	2205.9	1913.3	1874.2	1442.4
27.5°	2728.4	2732.6	2668.0	2581.5	2477.8	2418.6	2409.1	2339.8	2056.7	2013.4	1544.9
30°	3045.3	3045.3	2977.2	2871.8	2733.1	2617.6	2549.5	2474.9	2210.1	2162.7	1649.7
32.5°	3330.2	3327.9	3240.8	3126.5	2989.6	2862.9	2719.5	2615.9	2380.7	2328.0	1770.6
35°	3565.4	3559.5	3460.6	3351.0	3204.7	3110.5	2950.5	2767.5	2565.5	2512.8	1895.0
37.5°	3743.1	3736.6	3646.0	3529.9	3394.2	3333.2	3199.3	2949.4	2760.4	2712.4	2033.0
40°	3839.7	3826.6	3763.8	3677.4	3563.6	3510.3	3454.6	3175.0	2989.6	2929.8	2195.9
42.5°	3868.1	3852.7	3811.2	3771.0	3702.2	3660.2	3720.0	3429.8	3241.4	3189.9	2381.9
45°	3784.0	3775.1	3771.5	3800.6	3813.0	3824.9	3972.4	3711.7	3519.2	3480.1	2615.9
47.5°	3581.4	3579.0	3610.4	3731.3	3862.8	3987.8	4246.6	4059.4	3879.4	3837.3	2942.8
50°	3207.0	3231.3	3319.0	3531.1	3794.1	4080.2	4503.1	4541.6	4462.2	4400.6	3369.3
52.5°	2621.8	2668.6	2865.2	3187.5	3565.4	4054.1	4621.6	4927.8	5009.0	4945.0	3675.0
55°	2057.3	2101.1	2276.4	2685.2	3189.3	3855.7	4626.9	5061.1	5238.2	5179.0	3881.7
57.5°	1532.4	1572.7	1732.1	2123.0	2677.5	3465.3	4500.1	5135.2	5510.1	5472.2	4208.1
60°	1001.7	1041.4	1185.3	1527.1	2076.8	2896.6	4188.0	5119.8	5880.3	5876.8	4609.1
62.5°	555.6	587.0	691.3	957.8	1449.5	2243.3	3697.5	4965.2	6238.7	6261.2	4939.7
65°	284.3	304.5	367.9	526.6	877.3	1590.5	3052.4	4610.9	6404.6	6461.4	5026.8
67.5°	186.0	192.5	207.9	273.7	469.7	1000.5	2297.2	4042.8	6171.2	6237.5	4734.7
70°	151.1	156.4	165.3	182.4	242.3	531.3	1508.7	3228.9	5156.5	5201.5	3770.4
72.5°	110.8	117.9	135.1	146.3	174.7	291.4	784.9	2119.5	3541.1	3620.5	2369.4
75°	81.7	85.9	100.1	115.5	142.8	184.2	300.3	1114.2	1828.6	1782.4	995.2
77.5°	49.2	52.1	64.0	74.0	101.9	114.9	104.8	411.7	556.2	523.1	240.5
80°	24.3	27.2	42.1	55.7	65.2	46.2	43.8	114.9	123.8	123.8	60.4
82.5°	8.3	10.7	22.5	36.7	32.0	17.8	20.7	29.6	33.2	34.9	17.8
85°	0.0	0.0	5.3	10.7	4.7	2.4	5.3	6.5	8.3	8.9	5.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.8	2.4	2.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	590.0	590.0	590.0	590.0	590.0	590.0	590.0	590.0	590.0	590.0	590.0
2.5°	605.4	577.5	535.5	497.6	468.6	441.3	420.6	404.0	401.0	391.5	392.7
5°	632.6	582.3	504.7	444.9	402.8	374.4	350.7	332.9	325.2	317.5	311.6
7.5°	674.7	601.8	492.8	420.0	370.8	327.0	290.3	260.6	246.4	237.5	231.6
10°	726.2	629.1	493.4	405.2	332.3	265.4	215.0	182.4	167.0	162.3	161.7
12.5°	787.8	663.4	498.2	380.9	276.6	197.3	159.3	144.5	139.8	135.7	135.7
15°	853.0	701.9	498.2	336.5	210.9	154.0	138.0	128.5	122.6	120.2	119.1
17.5°	921.7	738.1	486.3	275.4	161.7	135.7	122.6	113.7	109.0	105.4	104.3
20°	995.2	772.4	456.7	210.9	138.6	121.4	109.0	100.1	95.4	91.8	91.8
22.5°	1069.8	804.4	408.7	162.3	122.6	107.8	96.0	87.7	82.9	79.4	79.4
25°	1139.1	825.7	347.1	133.9	110.8	96.0	85.3	77.0	71.7	69.3	68.1
27.5°	1203.7	839.4	279.0	117.9	99.5	85.9	74.6	66.9	62.8	61.0	59.8
30°	1270.6	842.9	213.2	107.2	90.0	75.8	65.2	59.2	55.7	53.3	53.3
32.5°	1335.8	838.8	162.9	98.3	81.7	66.9	58.1	52.7	49.8	48.0	47.4
35°	1402.1	819.8	132.1	90.6	73.5	58.6	51.5	47.4	45.6	43.2	43.2
37.5°	1474.4	794.4	114.9	82.9	65.2	52.7	46.2	43.2	40.9	39.1	38.5
40°	1564.4	764.7	105.4	76.4	57.5	47.4	41.5	38.5	36.7	34.9	34.4
42.5°	1671.0	735.7	100.7	69.3	51.5	42.1	37.3	33.8	32.0	29.6	29.0
45°	1822.1	729.2	95.4	61.6	46.2	37.9	32.6	29.0	26.7	24.9	24.3
47.5°	2065.0	747.6	86.5	53.3	40.9	33.2	27.8	24.9	21.9	20.1	19.0
50°	2306.1	742.8	77.6	46.2	36.1	28.4	23.7	20.7	17.8	16.0	15.4
52.5°	2437.6	720.3	69.3	40.9	31.4	24.3	20.1	16.6	14.8	13.0	12.4
55°	2556.6	711.4	61.0	35.5	26.7	21.3	16.6	13.6	12.4	10.7	10.1
57.5°	2790.0	732.2	53.9	30.8	23.1	18.4	14.2	11.3	10.1	8.3	7.7
60°	3034.1	734.5	46.2	26.7	20.1	15.4	11.3	8.9	7.7	5.9	5.3
62.5°	3161.4	674.7	37.9	22.5	16.6	13.0	9.5	7.1	5.9	3.6	3.6
65°	3054.8	545.6	32.0	18.4	13.0	10.1	7.1	5.3	3.6	1.8	0.6
67.5°	2703.5	388.0	26.7	14.8	9.5	7.1	5.3	3.6	0.6	0.0	0.0
70°	1979.7	221.5	20.7	10.7	7.1	4.7	3.6	1.8	0.0	0.0	0.0
72.5°	1216.7	118.5	15.4	7.1	5.3	3.6	3.0	1.2	0.0	0.0	0.0
75°	461.4	56.9	9.5	4.7	4.1	3.0	1.8	0.6	0.0	0.0	0.0
77.5°	125.0	27.8	5.3	3.6	3.0	1.8	1.2	0.0	0.0	0.0	0.0
80°	32.6	13.0	3.6	2.4	1.8	1.2	0.0	0.0	0.0	0.0	0.0
82.5°	11.3	5.9	1.8	1.8	1.2	0.6	0.0	0.0	0.0	0.0	0.0
85°	4.7	2.4	1.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.8	0.6	0.6	0.6	0.6	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)