

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: P632385

Luminaire Tested: GWS-SA2C-750-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632385
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-SA2C-750-U-T2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7091.6 lumens
Efficiency: N/A
Efficacy: 112.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

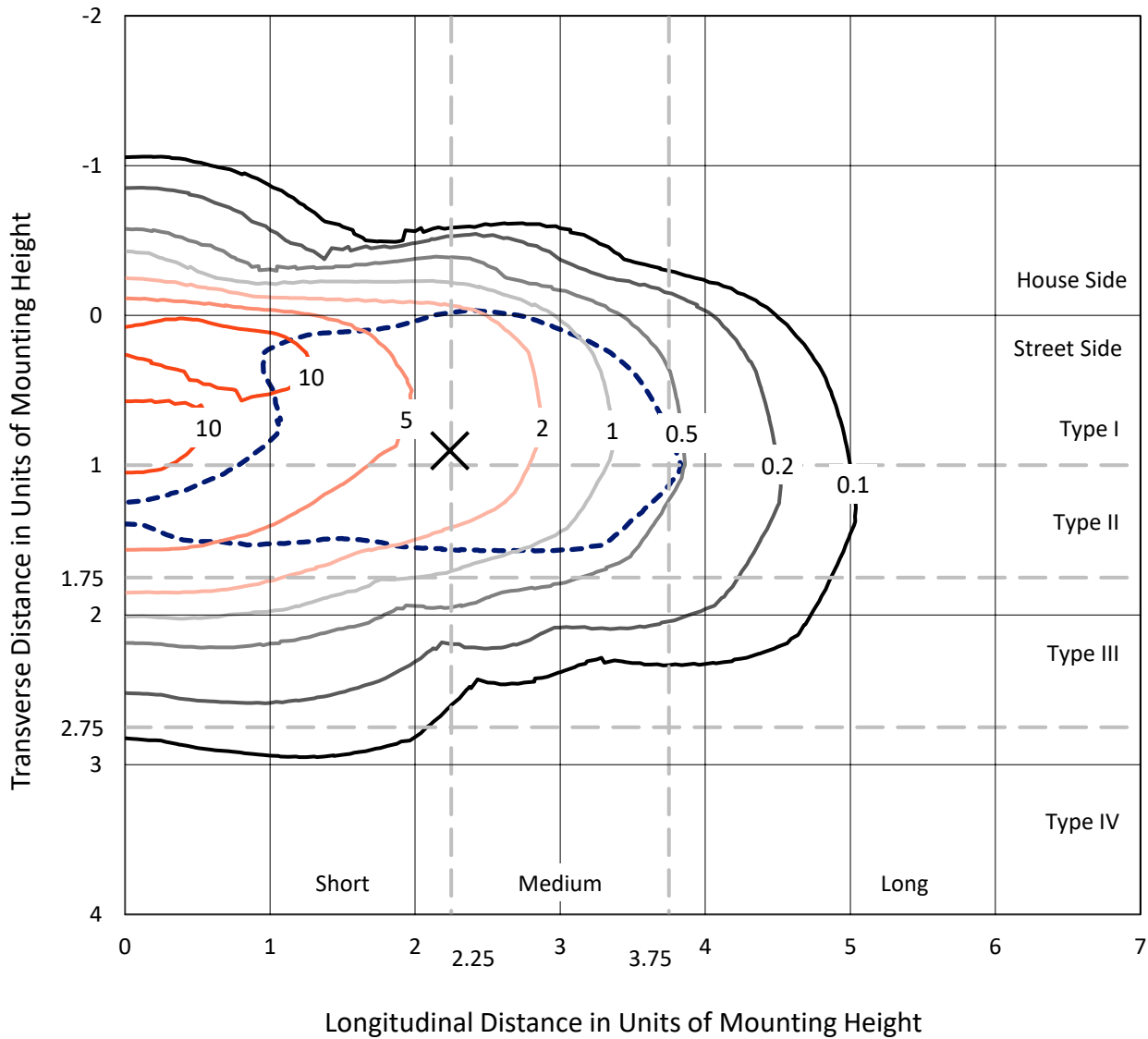
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

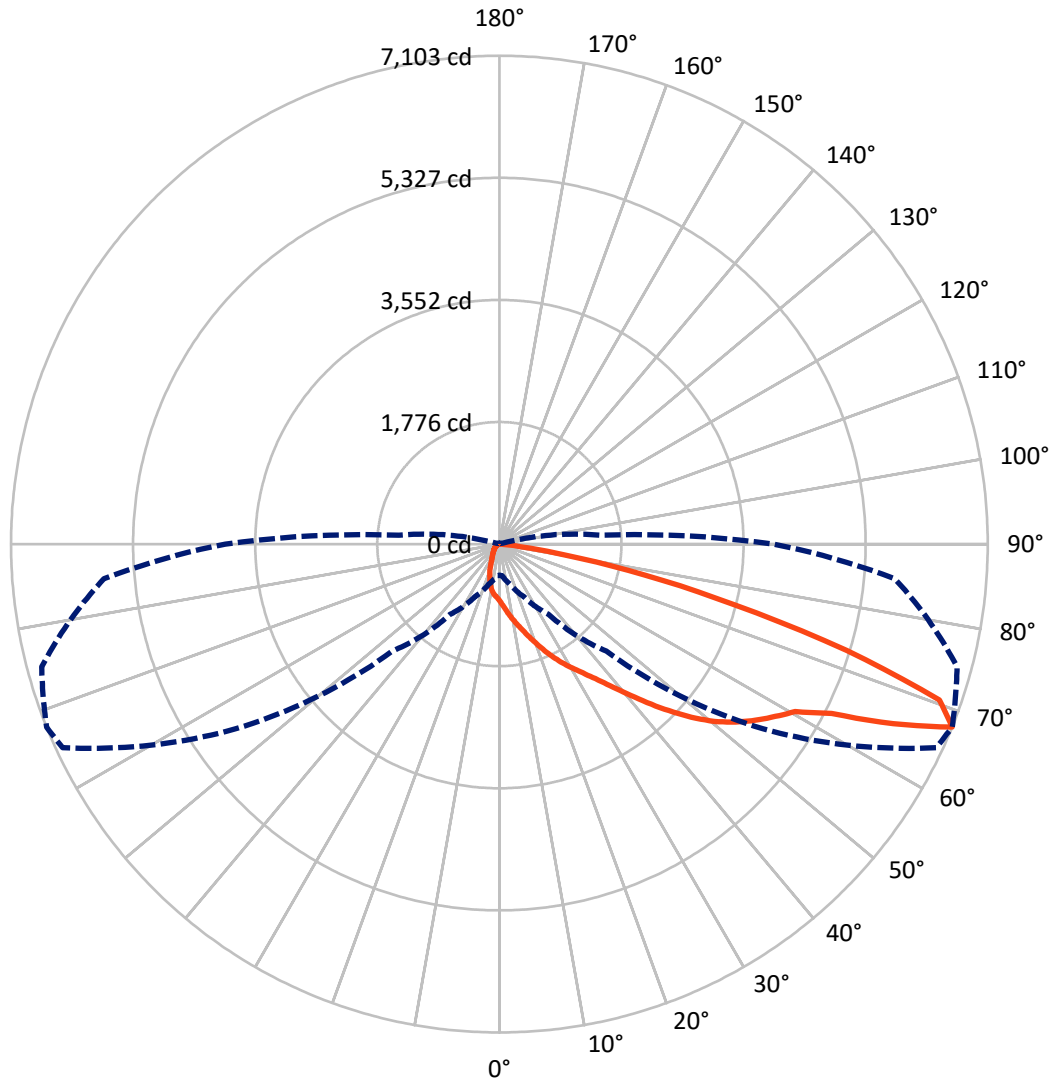
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	512.1	0.0	512.1
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	6579.5	0.0	6579.5
	% Fixture	92.8	0.0	92.8
Total	Lumens	7091.6	0.0	7091.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.5	1.1
10°-20°	231.1	3.3
20°-30°	397.2	5.6
30°-40°	690.6	9.7
40°-50°	1205.1	17.0
50°-60°	1817.5	25.6
60°-70°	1822.5	25.7
70°-80°	804.1	11.3
80°-90°	43.0	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°	7091.6	100.0
0°-180°	7091.6	100.0

Coefficient of Utilization

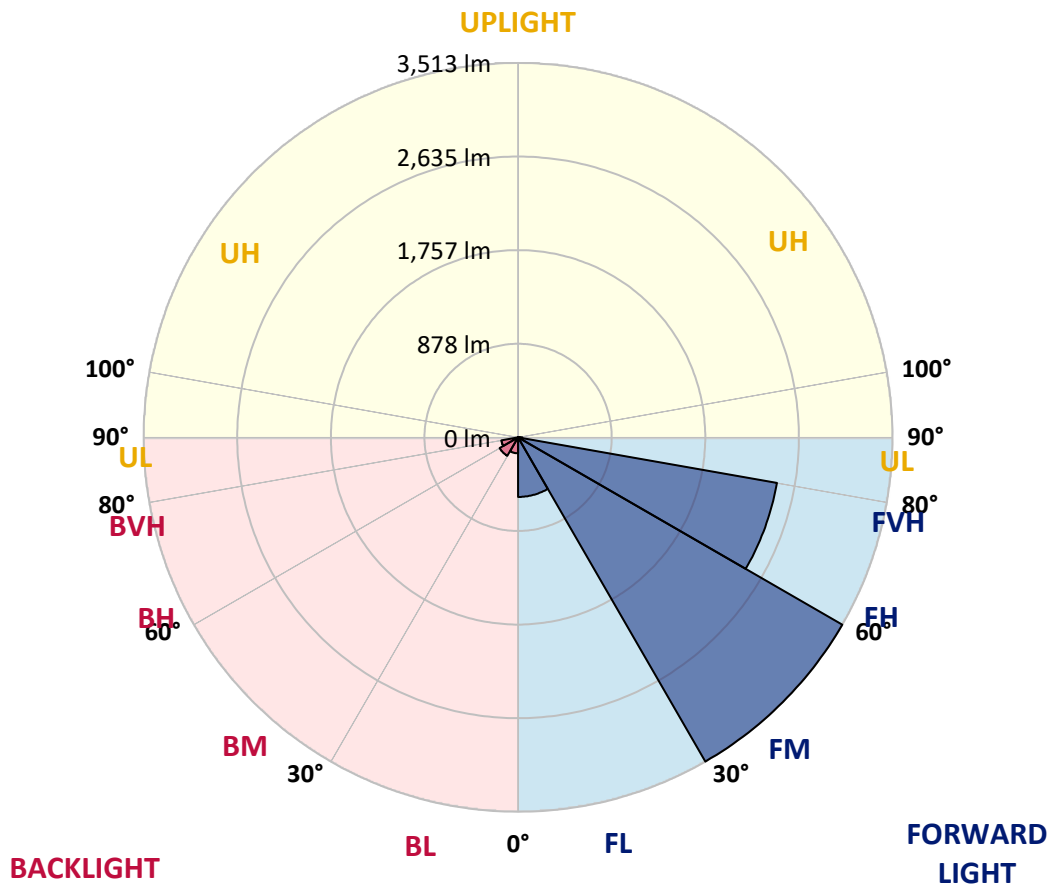


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	559.0	7.9			
FM (30°-60°)	3513.2	49.5			
FH (60°-80°)	2466.8	34.8			G2/5000
FVH (80°-90°)	40.5	0.6			G1/100
BL (0°-30°)	149.8	2.1	B1/500		
BM (30°-60°)	200.0	2.8	B0/220		
BH (60°-80°)	159.8	2.3	B1/500		G1/500
BVH (80°-90°)	2.4	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	825.3	825.3	825.3	825.3	825.3	825.3	825.3	825.3	825.3	825.3	825.3
2.5°	961.0	967.1	961.0	962.4	944.7	936.6	918.9	894.5	888.4	872.8	849.0
5°	1078.4	1083.9	1077.8	1076.4	1056.0	1041.1	1011.9	969.8	957.6	927.1	880.3
7.5°	1142.2	1145.6	1147.7	1151.1	1143.6	1131.4	1104.9	1052.6	1039.7	990.2	924.4
10°	1149.0	1151.7	1161.9	1182.3	1197.2	1204.7	1189.7	1141.5	1121.2	1073.0	978.7
12.5°	1130.0	1134.1	1150.4	1184.3	1225.7	1263.7	1273.2	1231.1	1212.8	1151.1	1042.5
15°	1104.9	1108.3	1130.7	1176.8	1239.3	1309.2	1348.5	1330.2	1309.9	1245.4	1113.0
17.5°	1066.2	1071.0	1102.2	1164.6	1245.4	1345.2	1430.0	1436.1	1421.8	1351.9	1191.1
20°	1044.5	1047.9	1075.7	1140.2	1241.3	1371.6	1506.0	1563.7	1548.1	1474.8	1280.7
22.5°	1062.8	1065.5	1083.9	1134.1	1227.7	1386.6	1576.6	1691.3	1682.5	1606.4	1375.0
25°	1159.2	1168.0	1157.2	1166.0	1233.9	1394.7	1633.6	1818.9	1820.9	1744.2	1472.7
27.5°	1354.7	1343.1	1317.3	1273.2	1281.4	1416.4	1682.5	1939.0	1956.7	1878.6	1559.6
30°	1553.5	1546.7	1531.1	1462.6	1405.6	1464.6	1723.9	2061.8	2089.7	2010.9	1637.0
32.5°	1776.8	1783.6	1755.8	1673.6	1576.6	1562.3	1766.6	2178.6	2230.8	2160.9	1727.9
35°	2043.5	2045.6	1990.6	1899.6	1789.7	1723.9	1843.3	2307.5	2403.9	2352.3	1849.4
37.5°	2303.5	2315.7	2285.8	2142.6	2044.9	1924.8	1970.2	2473.1	2608.9	2588.5	2002.1
40°	2533.5	2552.5	2543.0	2404.6	2276.3	2175.2	2167.0	2667.2	2856.6	2879.7	2203.7
42.5°	2716.8	2729.0	2736.5	2638.1	2524.7	2467.7	2410.0	2892.6	3149.1	3243.4	2450.7
45°	2910.2	2914.3	2929.9	2863.4	2764.3	2769.0	2697.1	3166.1	3457.2	3646.6	2734.4
47.5°	3156.6	3170.1	3162.7	3092.8	3003.2	3056.8	2993.7	3447.7	3761.3	4076.9	3024.9
50°	3456.5	3470.8	3464.0	3382.6	3282.8	3305.2	3265.8	3721.2	4054.5	4482.7	3266.5
52.5°	3611.3	3622.8	3707.0	3743.6	3691.4	3548.8	3497.9	4021.9	4302.2	4816.6	3488.4
55°	3536.6	3544.8	3728.0	3882.8	4074.2	3931.6	3731.4	4254.0	4520.7	5077.2	3653.4
57.5°	3227.2	3271.3	3520.3	3782.3	4184.8	4309.7	4110.1	4506.5	4731.1	5258.5	3815.6
60°	2592.6	2590.5	2947.5	3417.9	3969.0	4413.5	4644.9	4847.9	4942.2	5397.6	4032.8
62.5°	1432.7	1445.6	1920.7	2540.3	3369.0	4144.7	5046.0	5437.6	5423.4	5640.6	4372.8
65°	713.3	739.1	997.0	1455.1	2241.7	3425.3	5115.3	6337.6	6296.8	6212.7	5075.2
67.5°	452.7	462.9	605.4	845.6	1246.1	2201.7	4684.3	7008.8	7103.1	6891.4	5772.2
70°	293.2	310.2	420.8	578.2	752.0	1134.8	3431.4	6573.8	6790.3	6816.7	5337.9
72.5°	159.5	171.7	268.8	412.6	542.9	567.4	1927.5	4933.4	5281.5	5782.4	4176.0
75°	90.9	99.8	147.3	280.3	398.4	345.5	854.5	3302.5	3524.4	4132.5	2992.3
77.5°	55.0	62.4	82.8	136.4	249.8	230.8	323.1	2010.3	2151.4	2465.7	1570.5
80°	25.1	29.9	52.3	75.3	136.4	109.3	123.5	937.3	967.8	1011.9	519.9
82.5°	11.5	13.6	23.8	44.8	77.4	63.1	47.5	216.5	304.7	288.4	132.3
85°	1.4	1.4	8.8	18.3	21.7	16.3	19.7	48.9	61.8	86.9	38.0
87.5°	0.0	0.0	0.7	0.7	1.4	2.0	4.1	6.1	8.8	14.3	9.5
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°	825.3	825.3	825.3	825.3	825.3	825.3	825.3	825.3	825.3	825.3	825.3
2.5°	838.2	819.2	802.2	777.1	760.1	741.1	728.2	712.6	706.5	701.8	695.0
5°	857.2	826.6	785.2	739.1	701.1	665.1	631.9	610.1	591.1	588.4	578.9
7.5°	888.4	842.9	773.0	697.7	633.2	573.5	526.7	488.7	469.7	463.5	452.7
10°	929.8	867.4	754.7	639.3	546.3	475.1	422.1	379.4	349.5	338.7	330.5
12.5°	976.0	889.8	725.5	567.4	461.5	380.1	312.9	267.4	248.4	241.6	235.5
15°	1028.9	910.8	679.4	495.4	378.7	279.6	232.1	212.4	204.3	202.2	200.2
17.5°	1079.8	924.4	624.4	420.8	291.2	217.2	194.8	187.3	185.3	183.2	181.9
20°	1137.5	933.9	559.9	350.2	226.0	183.9	173.1	167.6	163.6	159.5	158.8
22.5°	1196.5	933.9	490.0	281.0	189.4	164.9	152.7	142.5	135.1	131.0	129.6
25°	1252.9	921.0	420.8	224.6	167.0	146.6	131.0	119.4	109.3	104.5	103.2
27.5°	1292.9	887.7	360.4	190.0	151.3	130.3	111.3	98.4	90.3	85.5	84.8
30°	1318.0	838.2	304.7	169.7	137.8	113.3	94.3	83.5	77.4	74.0	72.6
32.5°	1337.0	777.1	255.2	155.4	124.9	98.4	82.1	73.3	67.9	65.2	64.5
35°	1375.0	719.4	218.5	142.5	111.3	86.2	71.9	65.2	61.1	57.7	57.0
37.5°	1428.0	671.2	189.4	131.0	98.4	76.7	65.2	59.0	55.7	52.3	51.6
40°	1506.0	640.7	167.6	119.4	86.9	69.2	59.7	54.3	49.5	46.2	45.5
42.5°	1626.1	626.4	153.4	107.9	76.7	62.4	55.0	48.2	43.4	40.0	39.4
45°	1769.3	633.9	141.2	96.4	69.9	57.7	48.9	42.1	37.3	33.9	33.3
47.5°	1922.7	660.4	131.0	85.5	63.1	52.9	43.4	36.0	31.9	28.5	27.8
50°	2082.9	703.8	122.2	75.3	57.7	47.5	37.3	31.2	27.1	24.4	23.8
52.5°	2222.0	762.8	113.3	67.9	52.9	42.1	32.6	27.1	23.1	20.4	19.7
55°	2355.0	818.5	106.6	61.1	47.5	36.6	28.5	23.1	19.7	17.0	16.3
57.5°	2499.6	877.5	98.4	55.0	42.8	32.6	25.1	19.7	17.0	14.3	13.6
60°	2710.0	965.1	86.2	50.2	37.3	28.5	21.7	17.6	14.9	11.5	10.9
62.5°	3013.4	1124.6	72.6	43.4	31.9	24.4	18.3	14.9	12.2	9.5	8.1
65°	3580.7	1396.1	59.7	36.0	25.8	20.4	15.6	12.2	9.5	6.8	6.1
67.5°	3989.3	1466.6	48.2	29.2	21.0	15.6	12.9	9.5	6.8	4.8	4.1
70°	3487.8	1053.3	37.3	23.8	17.6	12.2	10.2	7.5	4.8	3.4	2.7
72.5°	2627.9	688.2	27.8	18.3	13.6	10.2	7.5	6.1	4.1	2.7	2.0
75°	1852.1	397.7	20.4	13.6	9.5	7.5	6.1	4.8	3.4	2.0	2.0
77.5°	949.5	164.2	14.3	9.5	6.8	4.8	4.1	2.7	2.7	2.0	1.4
80°	288.4	54.3	8.1	6.1	4.8	3.4	2.0	2.0	2.0	1.4	0.7
82.5°	65.8	17.6	4.8	4.8	3.4	2.7	2.0	0.7	0.7	0.0	0.0
85°	17.0	5.4	4.1	3.4	3.4	2.7	1.4	0.7	0.0	0.0	0.0
87.5°	6.1	3.4	3.4	3.4	2.7	2.0	1.4	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)