

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: P630905

Luminaire Tested: GWS-SA1E-750-U-T2R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630905
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-750-U-T2R-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7903.8 lumens
Efficiency: N/A
Efficacy: 135.3 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

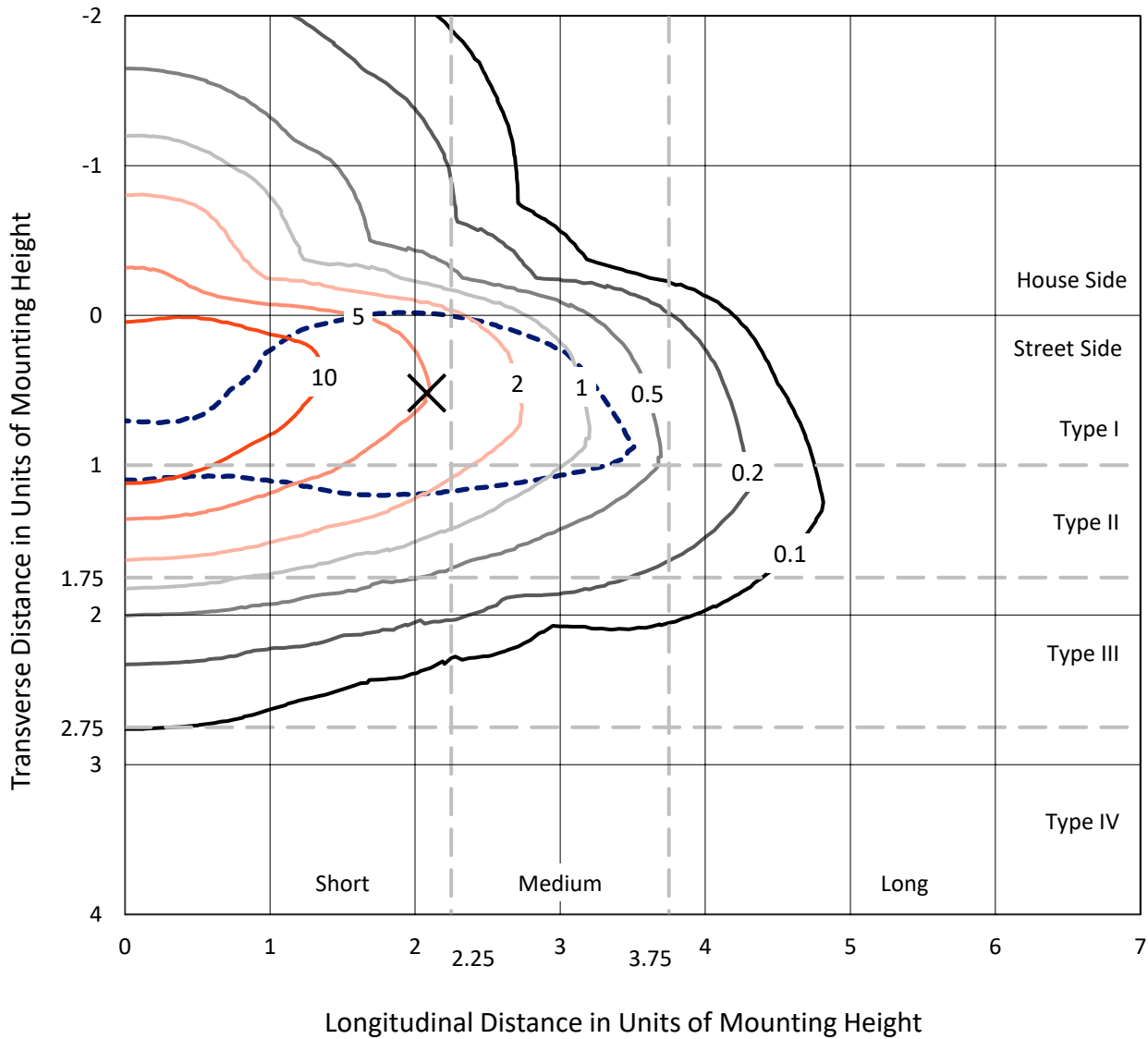
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

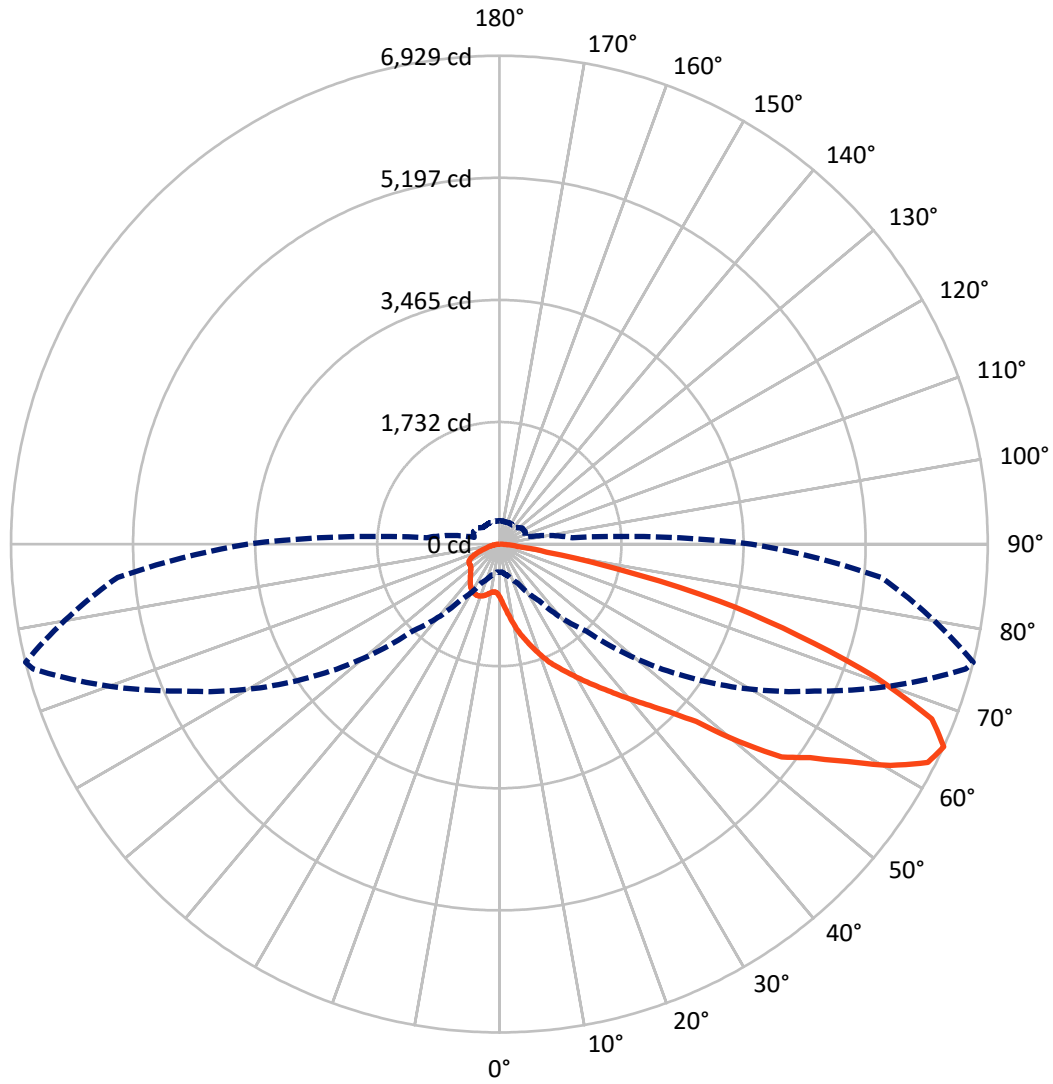
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.4 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	1321.1	0.0	1321.1
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	6582.7	0.0	6582.7
	% Fixture	83.3	0.0	83.3
Total	Lumens	7903.8	0.0	7903.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.9	1.1
10°-20°	338.7	4.3
20°-30°	660.1	8.4
30°-40°	1103.9	14.0
40°-50°	1580.6	20.0
50°-60°	1871.2	23.7
60°-70°	1555.9	19.7
70°-80°	636.7	8.1
80°-90°	67.8	0.9
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°	7903.8	100.0
0°-180°	7903.8	100.0

Coefficient of Utilization



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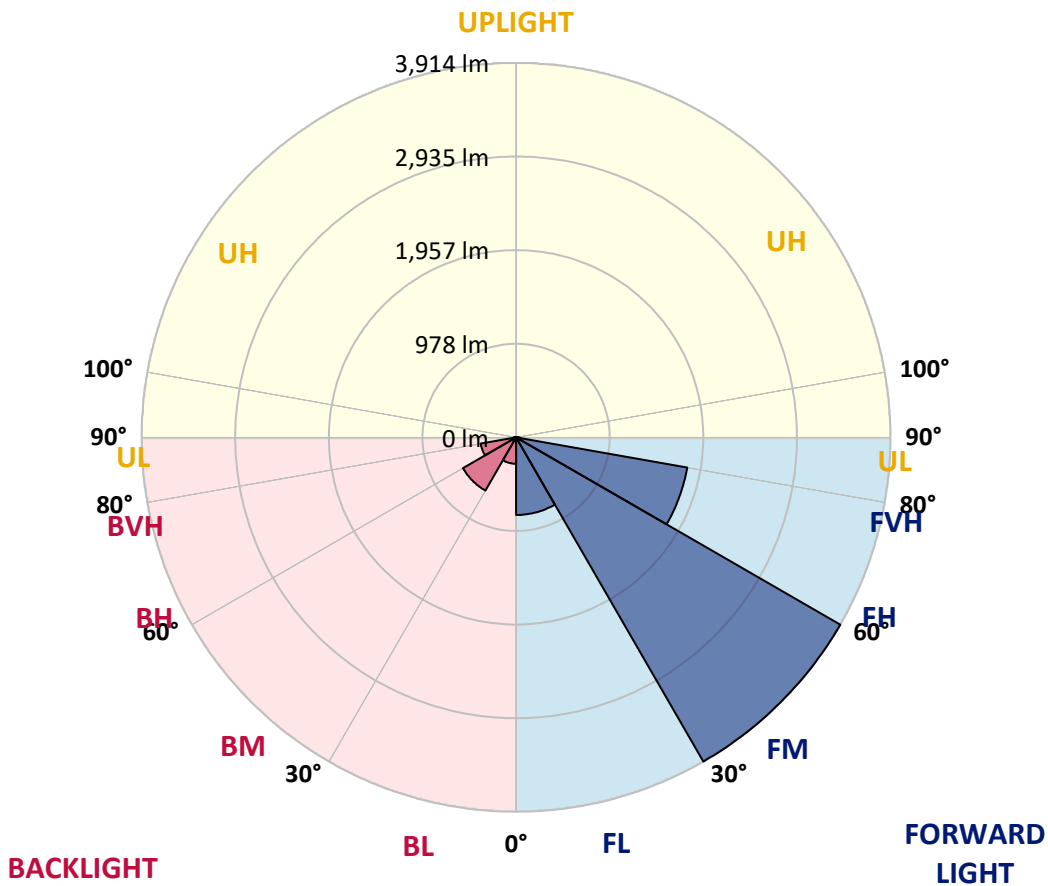
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	811.3	10.3			
FM (30°-60°)	3913.7	49.5			
FH (60°-80°)	1817.3	23.0			G2/5000
FVH (80°-90°)	40.4	0.5			G1/100
BL (0°-30°)	276.4	3.5	B1/500		
BM (30°-60°)	642.0	8.1	B1/1000		
BH (60°-80°)	375.3	4.7	B1/500		G1/500
BVH (80°-90°)	27.4	0.3			G1/100
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°	75°	76°	85°
0°	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5
2.5°	1049.1	1053.0	1040.2	1035.7	1005.7	965.2	931.3	880.1	832.9	825.7	783.5
5°	1332.4	1315.8	1301.3	1291.9	1250.2	1204.1	1132.4	1036.3	935.7	923.5	832.4
7.5°	1500.8	1498.0	1480.3	1474.7	1442.5	1396.3	1322.4	1203.0	1056.8	1036.8	898.5
10°	1635.8	1634.2	1625.3	1630.3	1600.8	1555.8	1484.1	1360.8	1189.6	1169.6	972.4
12.5°	1753.6	1756.4	1754.7	1773.1	1758.1	1723.1	1648.6	1513.0	1322.4	1300.8	1062.4
15°	1839.8	1842.0	1850.3	1890.3	1898.7	1891.4	1815.9	1662.5	1453.6	1422.5	1155.2
17.5°	1864.2	1868.7	1888.7	1953.1	1998.1	2028.1	1972.0	1814.8	1582.5	1548.6	1249.7
20°	1897.0	1902.0	1922.0	1989.2	2055.3	2123.7	2113.7	1969.2	1712.5	1684.7	1345.2
22.5°	2048.7	2044.8	2035.9	2068.1	2115.4	2200.4	2225.4	2117.6	1847.0	1820.3	1450.8
25°	2341.0	2333.7	2277.1	2247.6	2232.0	2283.7	2328.2	2252.6	1978.1	1938.1	1549.2
27.5°	2663.2	2659.3	2587.1	2517.1	2421.5	2399.3	2425.4	2370.4	2105.4	2064.8	1634.7
30°	2968.3	2956.6	2881.0	2793.3	2665.5	2569.9	2531.5	2486.0	2244.8	2202.6	1734.7
32.5°	3241.1	3226.1	3137.2	3040.0	2906.0	2793.3	2678.8	2608.8	2402.6	2353.7	1837.0
35°	3465.0	3450.0	3358.9	3255.6	3108.3	3025.0	2868.3	2742.1	2563.2	2513.8	1957.6
37.5°	3638.4	3624.5	3529.5	3427.8	3299.5	3233.3	3097.2	2892.2	2748.2	2696.6	2085.4
40°	3735.6	3725.6	3649.5	3568.9	3461.1	3403.9	3342.8	3081.6	2955.5	2903.8	2235.9
42.5°	3765.1	3758.4	3705.1	3663.4	3590.6	3547.3	3582.3	3304.5	3176.7	3131.6	2405.4
45°	3691.2	3691.2	3675.6	3696.7	3700.1	3699.5	3822.3	3556.2	3448.4	3398.9	2644.3
47.5°	3502.3	3514.5	3537.3	3641.2	3750.6	3842.3	4102.9	3891.8	3797.9	3757.3	2982.7
50°	3156.6	3190.0	3267.8	3470.6	3703.4	3936.8	4368.5	4388.0	4477.4	4405.7	3480.6
52.5°	2650.5	2645.4	2843.8	3132.8	3487.8	3940.7	4514.7	4825.8	5066.4	5017.0	3850.7
55°	2106.5	2098.1	2283.2	2681.6	3157.2	3791.8	4602.4	5026.4	5393.1	5348.7	4183.5
57.5°	1613.1	1602.5	1767.0	2126.5	2690.5	3475.6	4585.8	5265.3	5842.7	5819.9	4635.8
60°	1110.2	1097.4	1251.3	1565.8	2138.1	2992.2	4401.3	5388.1	6368.9	6376.6	5119.8
62.5°	666.8	659.6	771.2	1015.2	1538.0	2393.2	3969.6	5313.7	6787.8	6822.8	5430.9
65°	402.3	397.3	462.9	605.7	975.7	1746.4	3303.9	4933.1	6848.4	6929.0	5438.1
67.5°	292.8	293.4	312.3	369.0	569.0	1128.0	2479.3	4250.7	6532.8	6616.1	5095.3
70°	254.5	255.6	265.6	278.4	343.9	645.7	1611.9	3355.6	5599.8	5664.3	4273.5
72.5°	226.1	226.1	232.8	239.5	268.9	393.4	863.5	2345.4	4419.6	4436.9	3261.7
75°	198.9	197.3	200.6	203.9	233.4	275.0	420.1	1634.2	3264.4	3224.4	2108.1
77.5°	158.4	156.7	157.2	160.6	187.3	196.7	212.8	1020.7	1839.8	1736.4	931.3
80°	112.8	111.7	117.8	126.1	138.4	120.6	133.4	494.0	729.6	679.0	361.2
82.5°	67.2	69.5	78.9	85.6	95.6	75.6	86.1	165.0	258.4	251.7	146.7
85°	9.4	10.0	28.3	32.8	41.1	29.4	45.6	74.5	103.4	110.6	51.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.9	13.3	29.4	30.0	12.8
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°	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5
2.5°	761.8	735.7	698.5	667.3	641.2	620.1	602.3	589.0	585.1	579.5	579.5
5°	789.6	742.3	675.7	628.4	601.2	585.1	574.0	568.4	565.7	562.3	560.7
7.5°	827.9	761.8	671.8	624.0	602.9	592.9	585.7	582.3	580.1	576.8	576.8
10°	880.7	790.7	684.0	639.6	622.9	612.9	604.5	599.0	594.0	589.0	587.9
12.5°	937.9	828.5	706.2	660.7	642.9	630.7	619.0	610.7	604.5	598.4	596.8
15°	1001.3	867.4	730.1	681.2	659.0	642.3	628.4	615.7	607.3	598.4	597.3
17.5°	1063.5	906.8	750.1	695.1	666.8	646.2	626.2	609.5	599.0	589.0	586.2
20°	1138.0	946.3	764.0	699.0	665.1	637.9	614.0	592.9	581.2	569.5	567.9
22.5°	1206.3	982.9	770.7	693.5	652.3	620.1	592.3	569.5	556.8	545.1	542.9
25°	1272.4	1015.2	767.9	680.1	632.9	595.7	566.8	544.0	531.8	519.5	516.2
27.5°	1336.3	1036.8	756.8	659.6	608.4	568.4	540.6	520.1	509.5	499.0	494.5
30°	1399.1	1056.8	739.6	632.9	577.3	540.1	517.3	502.9	492.3	481.2	477.9
32.5°	1462.5	1071.3	713.5	601.8	545.6	515.1	501.2	490.6	479.5	468.4	465.1
35°	1526.4	1077.4	681.8	566.2	519.0	499.0	494.0	481.7	466.7	453.4	449.0
37.5°	1602.5	1083.0	642.3	531.2	495.6	491.2	490.1	471.7	454.0	435.6	430.6
40°	1694.2	1090.2	601.8	499.5	476.7	488.4	484.0	459.0	423.4	405.6	400.1
42.5°	1806.4	1103.5	559.5	470.6	462.9	477.9	472.9	427.9	404.0	394.0	391.2
45°	1971.4	1152.4	517.3	447.9	452.3	462.9	455.1	409.5	400.1	393.4	390.1
47.5°	2265.4	1227.4	480.6	430.6	444.0	449.5	419.5	404.5	397.3	388.4	384.5
50°	2571.0	1260.2	451.2	420.1	434.5	437.3	400.1	397.8	392.8	383.4	379.5
52.5°	2777.7	1255.8	433.4	416.2	426.7	416.2	391.2	390.6	387.3	376.2	371.7
55°	3011.1	1263.5	425.6	417.3	423.4	380.6	380.1	381.7	380.1	367.8	365.6
57.5°	3326.1	1287.4	421.7	421.2	421.2	363.4	369.5	371.7	368.4	362.8	361.2
60°	3629.0	1289.1	414.5	425.6	419.5	352.8	357.3	359.5	355.6	354.5	353.9
62.5°	3742.9	1209.1	398.4	422.3	412.8	341.2	344.5	345.6	341.7	344.5	343.9
65°	3573.4	1039.1	371.7	406.2	392.3	330.6	328.4	331.2	324.5	331.7	332.3
67.5°	3172.8	825.7	331.2	375.6	363.4	318.9	314.5	314.5	303.4	314.5	313.9
70°	2558.2	583.4	271.7	326.7	331.7	305.1	302.8	290.0	272.3	288.9	287.3
72.5°	1939.2	419.0	213.9	258.4	285.6	285.6	286.2	264.5	243.9	251.7	245.0
75°	1228.5	295.1	171.1	197.8	223.9	250.6	263.4	223.4	205.0	201.7	198.4
77.5°	553.4	193.9	133.4	151.7	158.9	197.8	240.6	192.3	167.3	160.0	157.8
80°	231.7	120.6	95.0	107.2	97.8	166.1	212.3	149.5	122.8	112.8	105.6
82.5°	101.7	71.7	60.6	57.8	61.1	123.4	158.4	99.5	76.7	103.9	105.0
85°	42.8	37.8	31.1	28.3	25.0	47.2	74.5	38.9	47.8	27.2	22.2
87.5°	10.0	11.1	8.3	5.6	3.3	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)