

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: P641843

Luminaire Tested: GWS-SA6B-760-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641843
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-760-U-T2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12688.4 lumens
Efficiency: N/A
Efficacy: 91.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

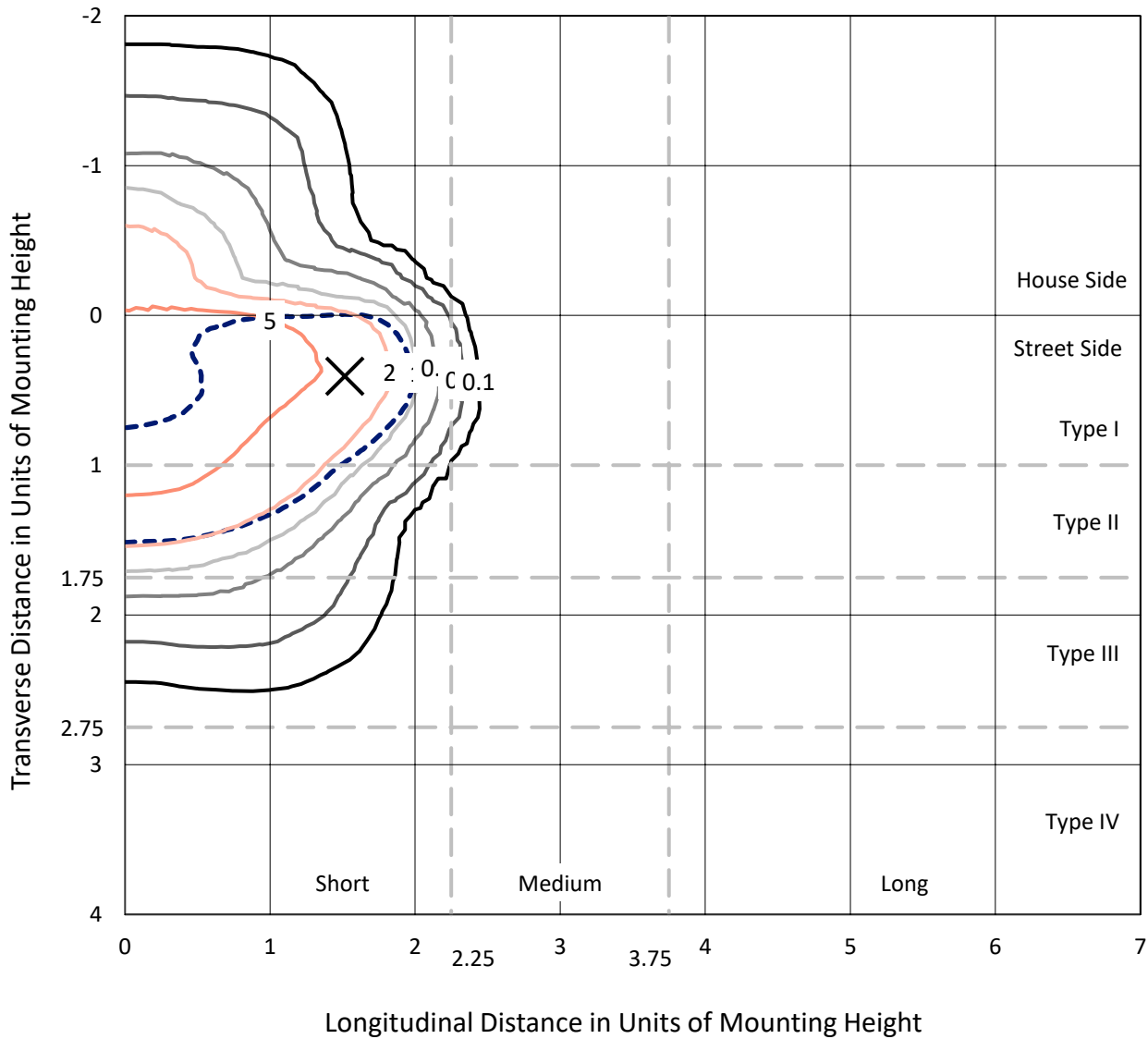
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

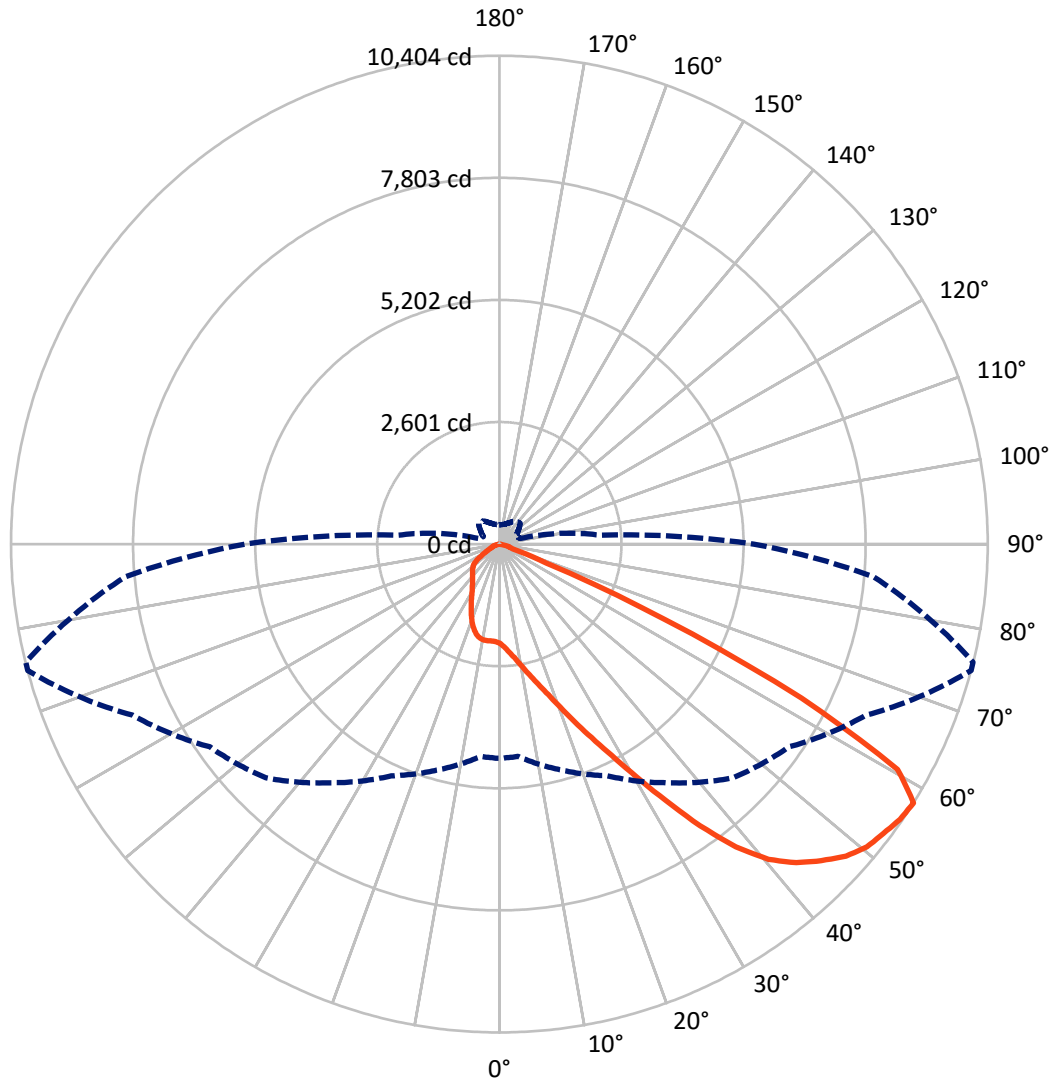
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2072.6	0.0	2072.6
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	10615.8	0.0	10615.8
	% Fixture	83.7	0.0	83.7
Total	Lumens	12688.4	0.0	12688.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.3	1.7
10°-20°	699.5	5.5
20°-30°	1281.0	10.1
30°-40°	2125.3	16.8
40°-50°	3245.9	25.6
50°-60°	3647.3	28.7
60°-70°	1345.3	10.6
70°-80°	128.6	1.0
80°-90°	0.1	0.0
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°	12688.4	100.0
0°-180°	12688.4	100.0

Coefficient of Utilization



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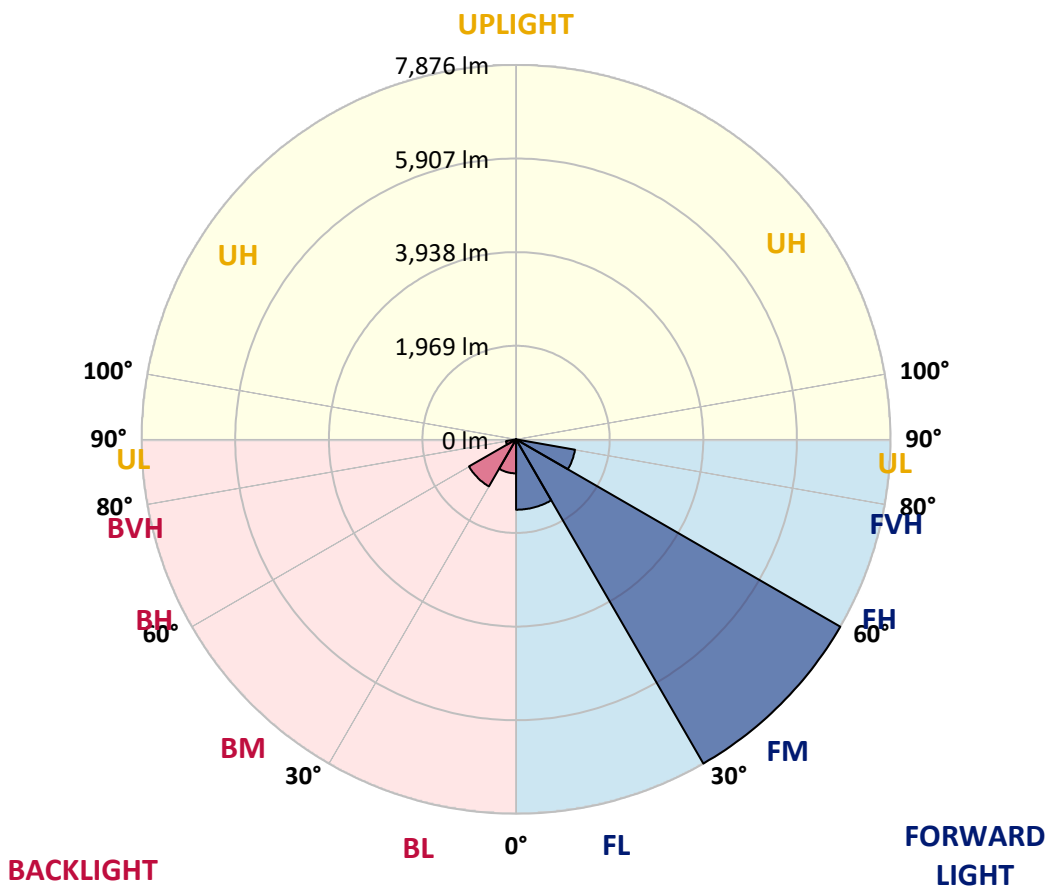
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1480.7	11.7			
FM (30°-60°)	7876.4	62.1			
FH (60°-80°)	1258.6	9.9			G1/1800
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	715.2	5.6	B2/1000		
BM (30°-60°)	1142.2	9.0	B2/2500		
BH (60°-80°)	215.2	1.7	B1/500		G1/500
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	2116.2	2116.2	2116.2	2116.2	2116.2	2116.2	2116.2	2116.2	2116.2	2116.2	2116.2
2.5°	2364.3	2388.8	2381.2	2365.8	2356.7	2324.5	2304.6	2246.4	2205.1	2200.5	2162.2
5°	2662.9	2658.3	2652.2	2633.8	2618.5	2568.0	2508.3	2410.3	2323.0	2312.3	2231.1
7.5°	2826.8	2829.8	2832.9	2829.8	2819.1	2780.8	2715.0	2600.1	2466.9	2457.7	2329.1
10°	2894.1	2900.3	2915.6	2944.7	2970.7	2967.6	2929.4	2811.5	2647.6	2632.3	2459.3
12.5°	2926.3	2934.0	2958.5	3013.6	3084.0	3139.2	3145.3	3039.6	2858.9	2834.4	2613.9
15°	2970.7	2978.4	3009.0	3081.0	3183.6	3292.3	3362.7	3295.3	3093.2	3067.2	2783.9
17.5°	2990.6	3001.3	3045.7	3140.7	3273.9	3440.8	3600.1	3593.9	3370.4	3350.5	2981.4
20°	3028.9	3036.6	3076.4	3179.0	3339.8	3580.2	3848.1	3944.6	3708.8	3679.7	3220.3
22.5°	3149.9	3152.9	3171.3	3235.6	3385.7	3681.2	4100.8	4353.5	4108.5	4070.2	3488.3
25°	3347.4	3345.9	3353.5	3364.3	3474.5	3783.8	4344.3	4814.4	4566.3	4525.0	3791.5
27.5°	3598.5	3598.5	3616.9	3586.3	3630.7	3910.9	4584.7	5344.2	5099.2	5041.0	4123.8
30°	3894.1	3892.5	3935.4	3886.4	3900.2	4111.5	4843.5	5921.5	5742.4	5670.4	4506.6
32.5°	4295.3	4286.1	4335.1	4267.7	4221.8	4414.7	5158.9	6524.8	6512.6	6402.3	4987.4
35°	4802.1	4786.8	4802.1	4736.3	4653.6	4838.9	5572.4	7126.6	7367.1	7250.7	5560.1
37.5°	5305.9	5354.9	5371.8	5258.5	5191.1	5376.4	6070.0	7665.7	8183.2	8062.3	6155.8
40°	5900.1	5884.8	5943.0	5815.9	5773.0	5978.2	6557.0	8066.9	8829.4	8714.6	6685.6
42.5°	6338.0	6365.6	6437.6	6367.1	6333.4	6526.4	6965.9	8301.1	9278.1	9164.8	7063.9
45°	6863.3	6883.2	6910.7	6852.5	6817.3	7007.2	7261.4	8403.7	9619.6	9497.1	7318.1
47.5°	7431.4	7446.7	7446.7	7327.2	7213.9	7292.0	7458.9	8461.9	9933.5	9815.6	7506.4
50°	7838.7	7846.4	7913.7	7829.5	7583.0	7462.0	7549.3	8518.6	10141.8	10031.5	7567.7
52.5°	7477.3	7468.1	7690.2	7864.7	7930.6	7690.2	7705.5	8601.3	10242.8	10147.9	7616.7
55°	6296.7	6281.4	6593.8	7017.9	7598.3	7906.1	7893.8	8650.3	10354.6	10296.4	7794.3
57.5°	4564.8	4538.8	4973.6	5445.3	6206.3	7040.9	7530.9	8622.7	10403.6	10399.0	8001.0
60°	2744.1	2722.6	3133.0	3629.2	4217.2	5056.3	5869.5	7723.8	9748.2	9757.4	7463.5
62.5°	1689.0	1708.9	2079.5	2332.2	2551.1	2803.8	3273.9	5195.7	7221.6	7281.3	5244.7
65°	1136.2	1151.5	1494.5	1813.1	1813.1	1482.3	1272.5	2483.8	3852.7	3751.7	2480.7
67.5°	762.6	779.4	1050.5	1422.6	1476.2	1033.6	516.0	741.1	1073.4	1041.3	614.0
70°	448.7	467.0	699.8	975.4	1075.0	719.7	344.5	313.9	304.7	295.5	238.9
72.5°	200.6	208.3	356.8	496.1	453.3	303.2	243.5	251.1	237.4	232.8	194.5
75°	61.3	64.3	91.9	107.2	108.7	108.7	147.0	197.5	186.8	188.3	150.1
77.5°	15.3	15.3	24.5	23.0	12.3	10.7	27.6	44.4	45.9	41.3	30.6
80°	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2116.2	2116.2	2116.2	2116.2	2116.2	2116.2	2116.2	2116.2	2116.2	2116.2	2116.2
2.5°	2145.3	2105.5	2079.5	2042.7	2016.7	1989.2	1964.7	1944.7	1934.0	1931.0	1932.5
5°	2194.3	2131.6	2070.3	1999.9	1950.9	1904.9	1868.2	1839.1	1825.3	1820.7	1820.7
7.5°	2269.4	2182.1	2073.4	1963.1	1880.4	1808.5	1765.6	1733.4	1721.2	1718.1	1708.9
10°	2367.4	2247.9	2068.8	1897.3	1780.9	1705.9	1675.2	1666.0	1670.6	1672.2	1670.6
12.5°	2485.3	2316.8	2039.7	1800.8	1675.2	1629.3	1632.4	1656.9	1684.4	1698.2	1701.3
15°	2610.9	2379.6	1973.8	1686.0	1584.9	1583.4	1627.8	1684.4	1738.0	1761.0	1767.1
17.5°	2751.7	2430.2	1872.8	1563.5	1506.8	1551.2	1630.8	1718.1	1790.1	1828.4	1836.0
20°	2906.4	2471.5	1744.1	1448.6	1437.9	1517.5	1627.8	1735.0	1823.8	1866.6	1874.3
22.5°	3067.2	2500.6	1595.6	1342.9	1375.1	1479.2	1598.7	1702.8	1787.0	1836.0	1842.1
25°	3250.9	2503.7	1444.0	1254.1	1316.9	1427.2	1528.2	1614.0	1684.4	1727.3	1731.9
27.5°	3411.7	2466.9	1309.3	1182.2	1263.3	1362.9	1430.2	1477.7	1526.7	1551.2	1552.7
30°	3597.0	2402.6	1182.2	1124.0	1208.2	1283.2	1316.9	1327.6	1332.2	1336.8	1330.7
32.5°	3817.5	2324.5	1087.2	1067.3	1145.4	1195.9	1205.1	1183.7	1157.7	1120.9	1111.7
35°	4088.6	2254.1	1009.1	1012.2	1076.5	1107.1	1099.5	1053.5	1003.0	958.6	950.9
37.5°	4382.6	2194.3	949.4	958.6	1001.5	1022.9	999.9	949.4	926.4	888.2	889.7
40°	4642.9	2145.3	895.8	905.0	924.9	944.8	908.1	874.4	917.2	914.2	917.2
42.5°	4828.2	2104.0	849.9	845.3	859.1	872.8	845.3	828.4	900.4	880.5	891.2
45°	4936.9	2065.7	811.6	784.0	805.5	830.0	811.6	790.1	814.6	722.8	715.1
47.5°	5010.4	2044.3	777.9	724.3	762.6	805.5	767.2	715.1	679.9	600.3	594.1
50°	5018.1	2033.6	738.1	663.1	712.1	758.0	713.6	641.6	591.1	555.9	551.3
52.5°	5057.9	2055.0	683.0	585.0	638.5	712.1	681.4	609.5	540.5	509.9	503.8
55°	5235.5	2145.3	591.1	477.8	555.9	676.8	655.4	543.6	477.8	459.4	454.8
57.5°	5419.2	2163.7	465.5	378.2	483.9	626.3	598.7	500.7	436.4	415.0	410.4
60°	4955.3	1782.4	349.1	312.4	427.2	578.8	554.3	474.7	399.7	373.6	369.0
62.5°	3255.5	963.2	277.2	264.9	359.9	490.0	505.3	428.8	356.8	329.2	327.7
65°	1500.7	447.1	212.8	209.8	281.8	390.5	434.9	375.2	301.7	277.2	277.2
67.5°	408.9	222.0	166.9	154.7	191.4	261.9	317.0	280.2	214.4	185.3	183.8
70°	203.7	179.2	150.1	133.2	137.8	162.3	186.8	156.2	108.7	88.8	87.3
72.5°	166.9	147.0	127.1	113.3	104.1	99.5	96.5	78.1	50.5	38.3	36.8
75°	124.0	105.7	90.3	73.5	62.8	58.2	52.1	38.3	21.4	12.3	10.7
77.5°	27.6	26.0	24.5	18.4	16.8	13.8	10.7	7.7	3.1	0.0	0.0
80°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	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)