

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: P641788

Luminaire Tested: GWS-SA6B-750-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641788
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12864.7 lumens
Efficiency: N/A
Efficacy: 92.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

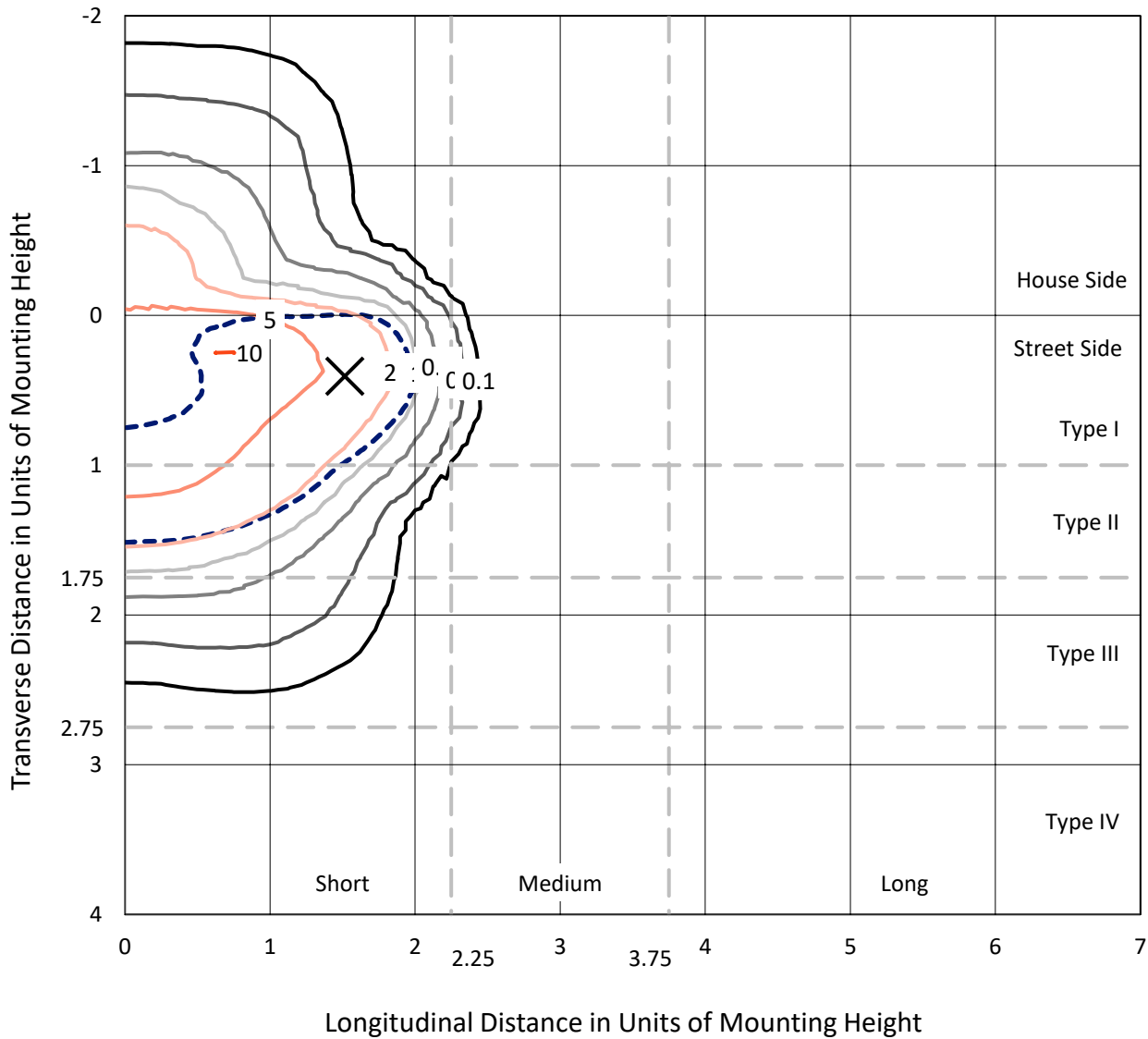
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

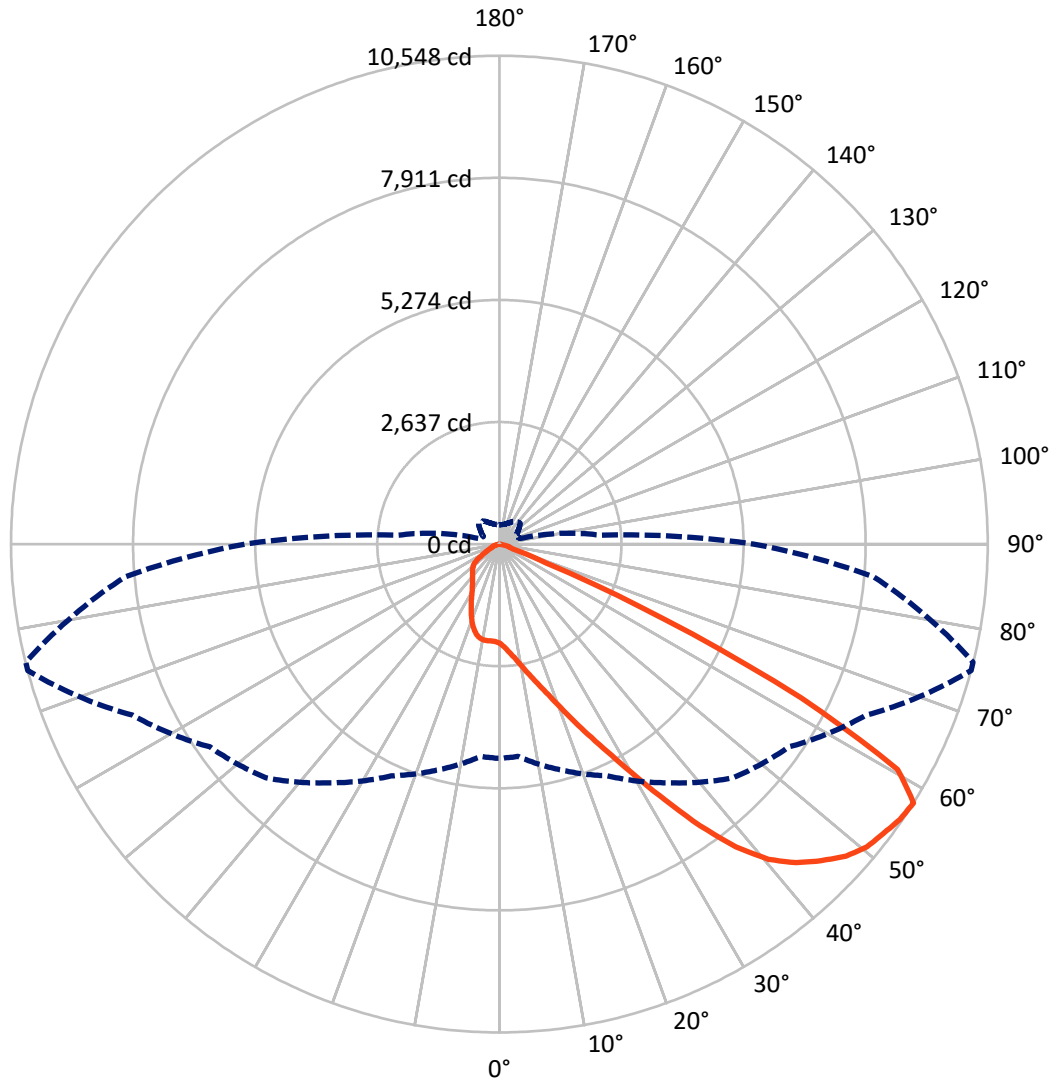
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10 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	2101.4	0.0	2101.4
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	10763.3	0.0	10763.3
	% Fixture	83.7	0.0	83.7
Total	Lumens	12864.7	0.0	12864.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.3	1.7
10°-20°	709.3	5.5
20°-30°	1298.8	10.1
30°-40°	2154.8	16.8
40°-50°	3291.0	25.6
50°-60°	3698.0	28.7
60°-70°	1364.0	10.6
70°-80°	130.4	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°	12864.7	100.0
0°-180°	12864.7	100.0

Coefficient of Utilization



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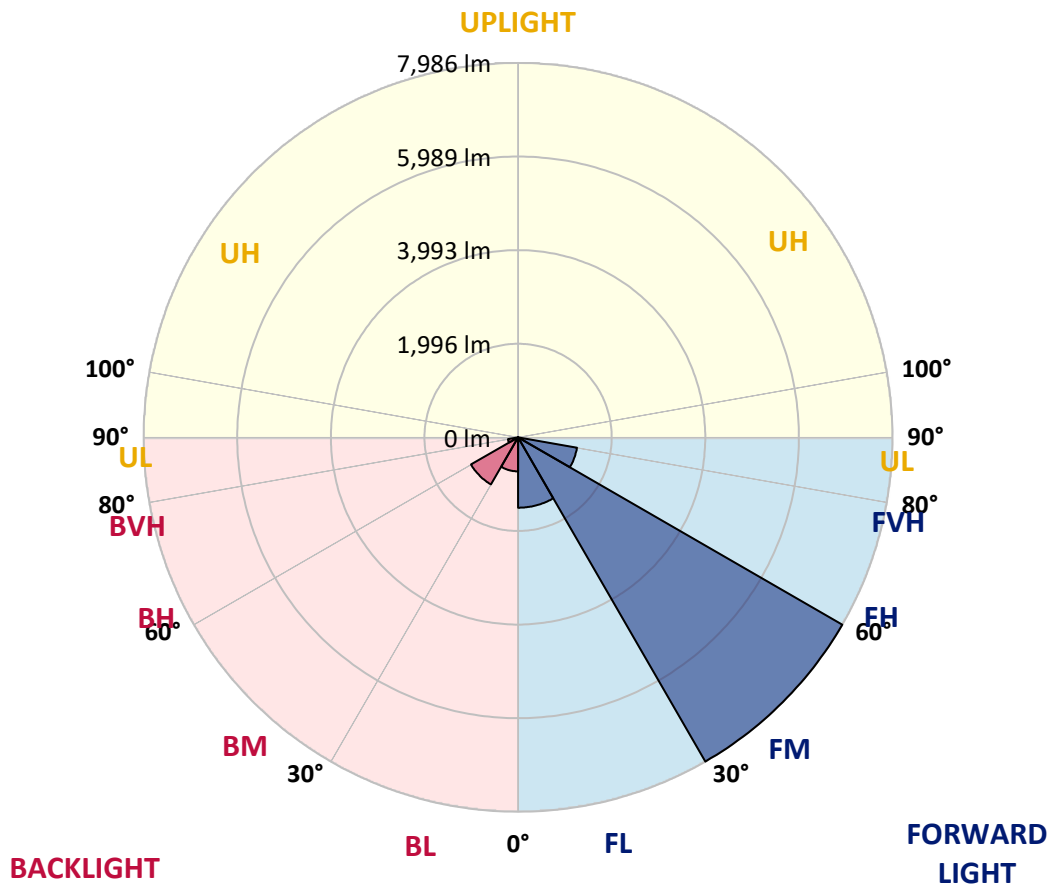
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1501.3	11.7			
FM (30°-60°)	7985.8	62.1			
FH (60°-80°)	1276.1	9.9			G1/1800
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	725.1	5.6	B2/1000		
BM (30°-60°)	1158.0	9.0	B2/2500		
BH (60°-80°)	218.2	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°	2145.7	2145.7	2145.7	2145.7	2145.7	2145.7	2145.7	2145.7	2145.7	2145.7	2145.7
2.5°	2397.2	2422.0	2414.2	2398.7	2389.4	2356.8	2336.6	2277.6	2235.7	2231.0	2192.2
5°	2699.9	2695.3	2689.1	2670.4	2654.9	2603.7	2543.1	2443.7	2355.2	2344.4	2262.1
7.5°	2866.0	2869.2	2872.3	2869.2	2858.3	2819.5	2752.7	2636.3	2501.2	2491.9	2361.5
10°	2934.4	2940.6	2956.1	2985.6	3012.0	3008.9	2970.1	2850.5	2684.4	2668.9	2493.4
12.5°	2967.0	2974.7	2999.6	3055.5	3126.9	3182.8	3189.0	3081.9	2898.6	2873.8	2650.2
15°	3012.0	3019.8	3050.8	3123.8	3227.8	3338.0	3409.4	3341.1	3136.2	3109.8	2822.6
17.5°	3032.2	3043.0	3088.1	3184.3	3319.4	3488.6	3650.1	3643.9	3417.2	3397.0	3022.9
20°	3071.0	3078.7	3119.1	3223.1	3386.2	3629.9	3901.6	3999.4	3760.3	3730.8	3265.1
22.5°	3193.6	3196.7	3215.4	3280.6	3432.7	3732.4	4157.8	4414.0	4165.5	4126.7	3536.8
25°	3393.9	3392.4	3400.1	3411.0	3522.8	3836.4	4404.6	4881.3	4629.8	4587.8	3844.2
27.5°	3648.5	3648.5	3667.2	3636.1	3681.1	3965.3	4648.4	5418.5	5170.1	5111.1	4181.1
30°	3948.2	3946.6	3990.1	3940.4	3954.4	4168.7	4910.8	6003.8	5822.1	5749.2	4569.2
32.5°	4355.0	4345.6	4395.3	4327.0	4280.4	4476.1	5230.6	6615.5	6603.1	6491.3	5056.7
35°	4868.9	4853.3	4868.9	4802.1	4718.3	4906.1	5649.8	7225.7	7469.4	7351.4	5637.4
37.5°	5379.7	5429.3	5446.4	5331.5	5263.2	5451.1	6154.4	7772.2	8296.9	8174.3	6241.3
40°	5982.1	5966.5	6025.5	5896.7	5853.2	6061.2	6648.1	8178.9	8952.1	8835.7	6778.5
42.5°	6426.1	6454.0	6527.0	6455.6	6421.4	6617.1	7062.6	8416.5	9407.0	9292.1	7162.0
45°	6958.6	6978.8	7006.8	6947.8	6912.0	7104.6	7362.3	8520.5	9753.2	9629.0	7419.7
47.5°	7534.6	7550.2	7550.2	7429.1	7314.2	7393.3	7562.6	8579.5	10071.5	9952.0	7610.7
50°	7947.6	7955.4	8023.7	7938.3	7688.3	7565.7	7654.2	8637.0	10282.7	10170.9	7672.8
52.5°	7581.2	7571.9	7797.0	7974.0	8040.8	7797.0	7812.5	8720.8	10385.1	10288.9	7722.5
55°	6384.2	6368.6	6685.4	7115.4	7703.9	8015.9	8003.5	8770.5	10498.5	10439.5	7902.6
57.5°	4628.2	4601.8	5042.7	5520.9	6292.6	7138.7	7635.5	8742.5	10548.2	10543.5	8112.2
60°	2782.2	2760.5	3176.6	3679.6	4275.8	5126.6	5951.0	7831.2	9883.7	9893.0	7567.2
62.5°	1712.5	1732.7	2108.4	2364.6	2586.6	2842.8	3319.4	5267.9	7321.9	7382.5	5317.6
65°	1152.0	1167.5	1515.3	1838.2	1838.2	1502.9	1290.2	2518.3	3906.3	3803.8	2515.2
67.5°	773.2	790.3	1065.1	1442.3	1496.7	1048.0	523.2	751.4	1088.4	1055.7	622.6
70°	454.9	473.5	709.5	989.0	1089.9	729.7	349.3	318.3	309.0	299.6	242.2
72.5°	203.4	211.1	361.7	503.0	459.6	307.4	246.9	254.6	240.6	236.0	197.2
75°	62.1	65.2	93.2	108.7	110.2	110.2	149.0	200.3	189.4	191.0	152.2
77.5°	15.5	15.5	24.8	23.3	12.4	10.9	27.9	45.0	46.6	41.9	31.1
80°	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6
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°	2145.7	2145.7	2145.7	2145.7	2145.7	2145.7	2145.7	2145.7	2145.7	2145.7	2145.7
2.5°	2175.2	2134.8	2108.4	2071.1	2044.7	2016.8	1991.9	1971.8	1960.9	1957.8	1959.3
5°	2224.8	2161.2	2099.1	2027.7	1978.0	1931.4	1894.1	1864.6	1850.7	1846.0	1846.0
7.5°	2300.9	2212.4	2102.2	1990.4	1906.6	1833.6	1790.1	1757.5	1745.1	1742.0	1732.7
10°	2400.3	2279.2	2097.5	1923.6	1805.6	1729.6	1698.5	1689.2	1693.9	1695.4	1693.9
12.5°	2519.8	2349.0	2068.0	1825.8	1698.5	1651.9	1655.0	1679.9	1707.8	1721.8	1724.9
15°	2647.1	2412.7	2001.3	1709.4	1606.9	1605.4	1650.4	1707.8	1762.2	1785.5	1791.7
17.5°	2790.0	2463.9	1898.8	1585.2	1527.7	1572.8	1653.5	1742.0	1815.0	1853.8	1861.5
20°	2946.8	2505.8	1768.4	1468.7	1457.9	1538.6	1650.4	1759.1	1849.1	1892.6	1900.3
22.5°	3109.8	2535.3	1617.8	1361.6	1394.2	1499.8	1620.9	1726.5	1811.9	1861.5	1867.7
25°	3296.1	2538.5	1464.1	1271.6	1335.2	1447.0	1549.5	1636.4	1707.8	1751.3	1756.0
27.5°	3459.1	2501.2	1327.4	1198.6	1280.9	1381.8	1450.1	1498.2	1547.9	1572.8	1574.3
30°	3647.0	2436.0	1198.6	1139.6	1225.0	1301.1	1335.2	1346.1	1350.7	1355.4	1349.2
32.5°	3870.6	2356.8	1102.3	1082.1	1161.3	1212.6	1221.9	1200.1	1173.7	1136.5	1127.2
35°	4145.4	2285.4	1023.1	1026.2	1091.5	1122.5	1114.7	1068.2	1016.9	971.9	964.1
37.5°	4443.5	2224.8	962.6	971.9	1015.4	1037.1	1013.8	962.6	939.3	900.5	902.0
40°	4707.4	2175.2	908.3	917.6	937.8	957.9	920.7	886.5	930.0	926.9	930.0
42.5°	4895.3	2133.2	861.7	857.0	871.0	885.0	857.0	839.9	912.9	892.7	903.6
45°	5005.5	2094.4	822.9	794.9	816.7	841.5	822.9	801.1	826.0	732.8	725.1
47.5°	5080.0	2072.7	788.7	734.4	773.2	816.7	777.8	725.1	689.3	608.6	602.4
50°	5087.8	2061.8	748.3	672.3	721.9	768.5	723.5	650.5	599.3	563.6	558.9
52.5°	5128.1	2083.6	692.4	593.1	647.4	721.9	690.9	617.9	548.1	517.0	510.8
55°	5308.2	2175.2	599.3	484.4	563.6	686.2	664.5	551.2	484.4	465.8	461.1
57.5°	5494.5	2193.8	472.0	383.5	490.6	635.0	607.1	507.7	442.5	420.7	416.1
60°	5024.1	1807.2	354.0	316.7	433.2	586.9	562.0	481.3	405.2	378.8	374.2
62.5°	3300.8	976.6	281.0	268.6	364.9	496.8	512.3	434.7	361.7	333.8	332.3
65°	1521.5	453.4	215.8	212.7	285.7	395.9	440.9	380.4	305.9	281.0	281.0
67.5°	414.5	225.1	169.2	156.8	194.1	265.5	321.4	284.1	217.4	187.9	186.3
70°	206.5	181.7	152.2	135.1	139.7	164.6	189.4	158.4	110.2	90.0	88.5
72.5°	169.2	149.0	128.9	114.9	105.6	100.9	97.8	79.2	51.2	38.8	37.3
75°	125.8	107.1	91.6	74.5	63.7	59.0	52.8	38.8	21.7	12.4	10.9
77.5°	27.9	26.4	24.8	18.6	17.1	14.0	10.9	7.8	3.1	0.0	0.0
80°	1.6	1.6	1.6	1.6	1.6	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)