

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: P632423

Luminaire Tested: GWS-SA2C-760-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632423
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-760-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5461.5 lumens
Efficiency: N/A
Efficacy: 86.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

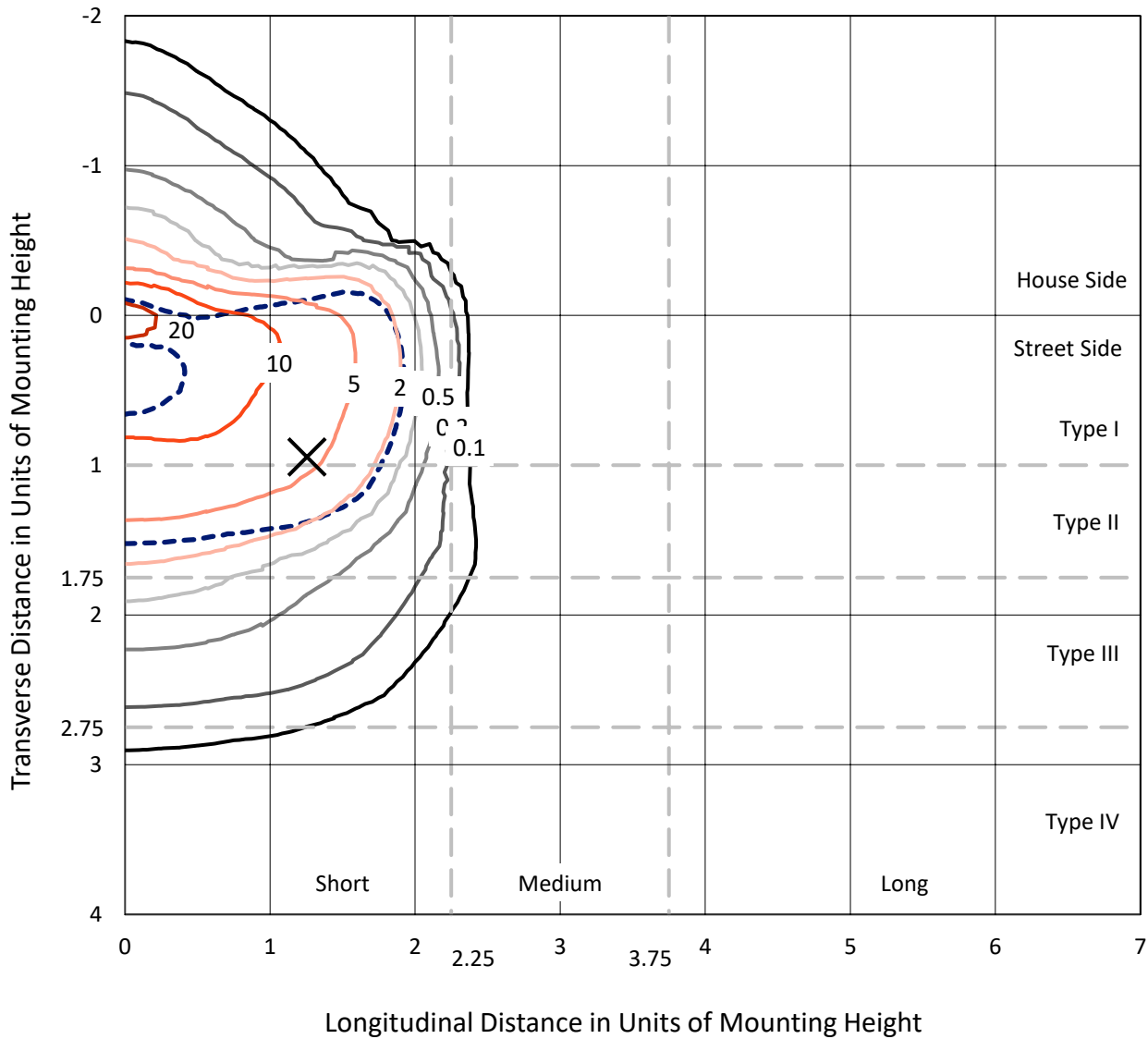
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

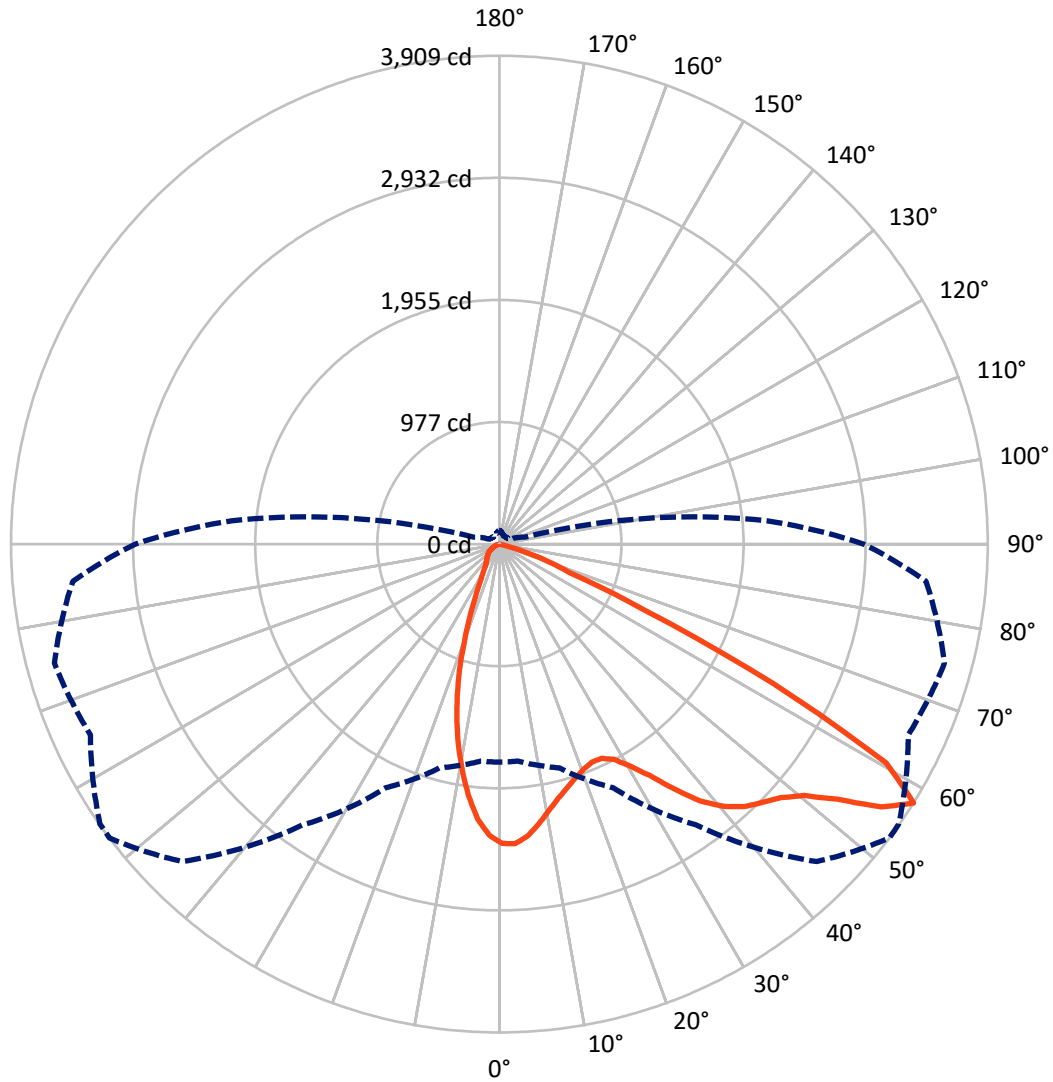
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 24 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	902.2	0.0	902.2
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	4559.3	0.0	4559.3
	% Fixture	83.5	0.0	83.5
Total	Lumens	5461.5	0.0	5461.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.0	3.8
10°-20°	450.0	8.2
20°-30°	586.2	10.7
30°-40°	850.3	15.6
40°-50°	1227.0	22.5
50°-60°	1483.9	27.2
60°-70°	604.8	11.1
70°-80°	54.3	1.0
80°-90°	0.0	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°	5461.5	100.0
0°-180°	5461.5	100.0

Coefficient of Utilization



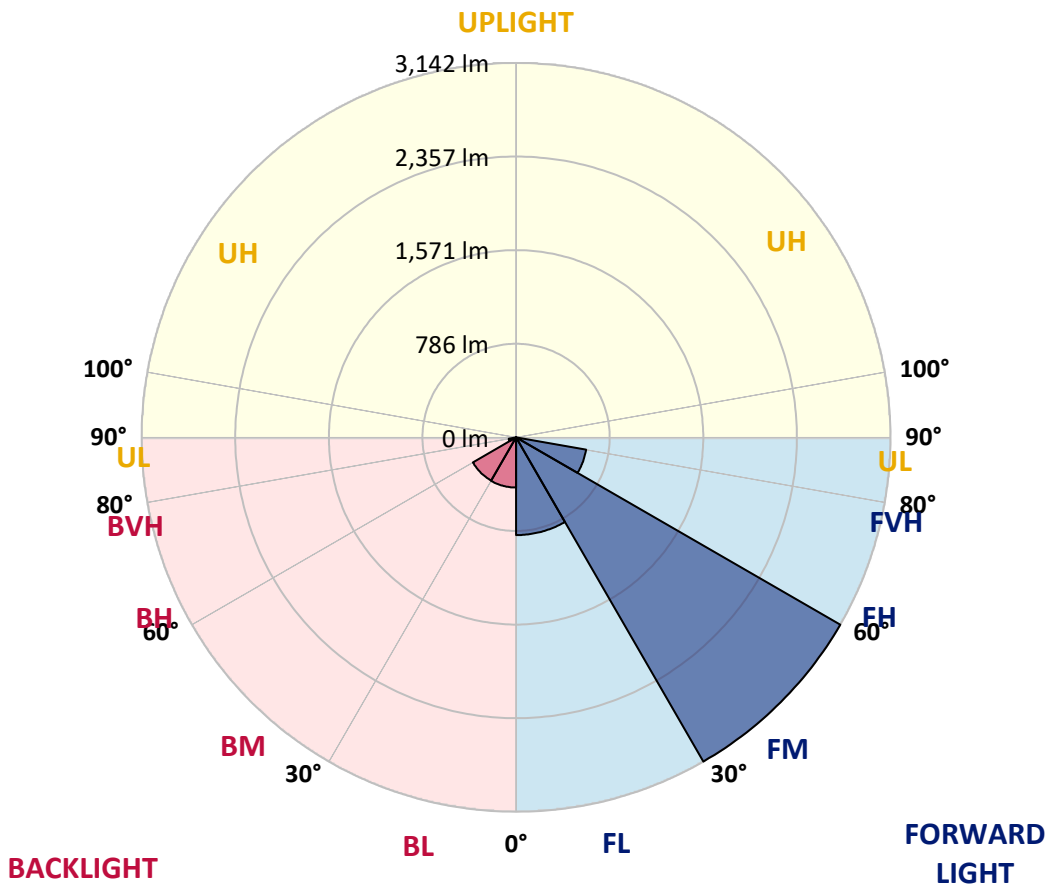
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	820.1	15.0			
FM (30°-60°)	3142.4	57.5			
FH (60°-80°)	596.7	10.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	421.1	7.7	B1/500		
BM (30°-60°)	418.7	7.7	B1/1000		
BH (60°-80°)	62.4	1.1	B0/110		G0/110
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: B1-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	2395.7	2395.7	2395.7	2395.7	2395.7	2395.7	2395.7	2395.7	2395.7	2395.7	2395.7
2.5°	2362.3	2367.6	2377.0	2389.0	2397.1	2401.1	2401.1	2412.5	2405.1	2399.1	2392.4
5°	2261.2	2266.5	2279.3	2298.7	2318.1	2332.1	2348.2	2360.2	2364.9	2364.9	2353.6
7.5°	2118.6	2126.0	2134.0	2160.8	2202.9	2234.4	2261.8	2279.3	2304.7	2312.7	2296.7
10°	1965.3	1972.7	1990.7	2027.6	2075.8	2122.6	2169.5	2191.6	2235.1	2257.8	2239.8
12.5°	1835.5	1838.8	1862.9	1907.1	1968.7	2032.9	2089.8	2112.6	2174.2	2208.3	2186.9
15°	1728.3	1730.4	1754.5	1803.3	1874.3	1953.3	2024.9	2048.3	2124.0	2175.5	2143.4
17.5°	1647.4	1648.0	1668.8	1721.7	1796.0	1883.6	1968.7	1997.4	2095.2	2157.4	2109.2
20°	1606.5	1604.5	1619.2	1665.4	1735.7	1823.4	1923.8	1959.3	2079.1	2154.7	2083.1
22.5°	1607.2	1602.5	1608.5	1641.3	1700.9	1783.2	1895.7	1935.9	2080.4	2166.1	2061.0
25°	1645.3	1638.7	1640.0	1657.4	1699.6	1774.5	1899.7	1942.6	2107.2	2204.3	2053.0
27.5°	1709.6	1702.2	1702.2	1710.9	1733.7	1802.0	1949.9	1998.8	2178.8	2278.6	2069.7
30°	1792.6	1785.2	1782.6	1791.3	1810.0	1872.9	2061.7	2112.6	2301.3	2400.4	2123.3
32.5°	1887.7	1879.0	1883.6	1895.7	1913.8	2000.8	2205.6	2273.2	2454.6	2564.4	2219.7
35°	1988.1	1980.7	2002.1	2028.2	2056.3	2178.2	2404.4	2463.3	2642.7	2768.6	2366.9
37.5°	2083.8	2080.4	2125.3	2180.2	2238.4	2391.0	2606.6	2652.1	2804.0	2990.8	2547.0
40°	2179.5	2178.8	2255.8	2352.2	2445.3	2603.2	2759.9	2797.4	2902.4	3163.5	2719.7
42.5°	2286.6	2286.6	2393.0	2521.6	2645.4	2782.6	2872.3	2889.1	2946.6	3263.2	2849.6
45°	2389.0	2395.1	2518.2	2667.5	2814.1	2922.5	2950.0	2951.3	2964.7	3322.2	2957.3
47.5°	2470.0	2475.4	2622.6	2794.7	2952.7	3029.0	3033.0	3027.0	3012.2	3378.4	3040.3
50°	2535.6	2543.7	2697.6	2879.7	3047.7	3131.4	3162.2	3156.1	3118.7	3438.6	3098.6
52.5°	2567.8	2579.1	2723.7	2921.9	3153.5	3306.8	3392.4	3406.5	3278.0	3472.1	3154.1
55°	2310.7	2327.4	2460.7	2731.8	3212.4	3577.9	3712.4	3709.7	3450.7	3571.8	3289.4
57.5°	1745.1	1743.7	1854.2	2150.7	2743.8	3593.3	3909.2	3903.8	3612.0	3687.6	3427.9
60°	1188.2	1180.1	1209.6	1352.8	1918.5	2927.2	3557.8	3630.1	3497.5	3406.5	2910.5
62.5°	978.0	970.6	961.2	921.7	1101.8	1823.4	2458.0	2567.8	2550.4	2367.6	1825.4
65°	800.6	806.6	832.7	816.0	766.4	935.1	1275.8	1340.8	1225.6	1031.5	637.9
67.5°	590.4	593.1	627.2	715.6	688.8	622.5	600.4	611.1	358.1	164.7	106.4
70°	348.7	350.8	382.2	500.7	558.9	477.9	405.6	399.6	141.9	44.2	48.2
72.5°	197.5	193.5	199.5	238.3	304.6	253.7	208.8	190.1	42.8	24.8	24.8
75°	93.7	91.0	78.3	73.6	66.9	42.8	26.8	22.8	10.7	10.0	10.0
77.5°	0.7	2.0	1.3	2.0	2.0	1.3	0.7	0.7	2.0	2.0	2.7
80°	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2395.7	2395.7	2395.7	2395.7	2395.7	2395.7	2395.7	2395.7	2395.7	2395.7	2395.7
2.5°	2380.3	2360.2	2355.6	2354.2	2335.5	2315.4	2294.6	2286.6	2274.6	2267.2	2273.2
5°	2335.5	2306.7	2281.3	2257.8	2216.3	2170.8	2131.3	2105.9	2081.8	2065.7	2069.7
7.5°	2271.9	2234.4	2176.2	2116.6	2040.3	1972.0	1895.7	1848.8	1805.3	1781.2	1792.6
10°	2204.3	2154.7	2061.7	1960.6	1840.8	1733.7	1624.6	1535.6	1484.0	1435.2	1440.5
12.5°	2138.0	2072.4	1933.2	1779.9	1628.6	1470.6	1306.0	1182.8	1098.5	1037.5	1028.2
15°	2076.4	1992.1	1808.0	1605.9	1399.7	1189.5	979.3	803.3	705.5	645.3	641.3
17.5°	2021.5	1917.1	1678.1	1423.8	1165.4	896.3	654.7	522.8	466.6	440.5	437.8
20°	1968.7	1841.5	1545.6	1239.0	909.7	629.2	451.8	390.9	372.8	362.1	363.5
22.5°	1917.8	1759.1	1406.4	1034.2	682.1	441.8	350.1	326.7	324.7	326.0	326.7
25°	1874.9	1683.5	1263.1	836.7	486.6	336.7	292.5	285.8	291.9	300.6	301.9
27.5°	1852.9	1621.9	1123.2	637.9	352.1	273.8	253.7	256.4	267.1	276.5	277.8
30°	1858.9	1575.7	978.6	462.5	271.1	230.9	224.2	229.6	240.3	249.0	250.3
32.5°	1901.7	1552.3	830.7	336.7	222.9	201.5	198.8	202.8	212.2	218.9	219.6
35°	1986.7	1557.7	690.1	257.7	191.4	179.4	178.7	181.4	186.1	190.8	191.4
37.5°	2111.9	1601.2	551.6	214.2	173.4	164.7	162.0	162.0	165.3	167.3	168.7
40°	2246.5	1666.8	441.8	189.4	160.7	151.3	145.9	143.9	146.6	149.3	149.9
42.5°	2357.6	1732.4	358.8	172.0	150.6	137.9	131.2	129.9	133.2	137.9	139.2
45°	2442.6	1783.2	299.2	158.0	139.2	125.2	117.8	117.8	123.8	131.9	133.2
47.5°	2520.2	1824.1	255.0	145.3	128.5	113.8	106.4	107.8	117.8	128.5	130.5
50°	2573.1	1856.9	222.2	133.9	119.8	104.4	97.7	100.4	112.5	125.2	127.2
52.5°	2630.0	1897.0	200.8	123.8	111.8	97.1	91.0	93.0	106.4	120.5	123.2
55°	2787.3	2031.6	200.1	110.4	97.7	87.0	84.3	85.0	98.4	114.5	117.8
57.5°	2915.8	2150.1	213.5	93.0	81.7	76.3	75.0	75.6	87.7	105.8	109.8
60°	2412.5	1670.8	176.7	77.0	68.3	66.9	64.9	66.3	77.6	93.7	97.1
62.5°	1427.8	955.2	84.3	58.9	58.2	56.9	54.9	57.6	68.3	82.3	84.3
65°	488.0	283.1	53.6	48.2	49.5	47.5	45.5	48.2	57.6	65.6	66.3
67.5°	93.7	75.0	42.8	40.2	40.8	36.8	36.1	38.8	44.2	45.5	44.8
70°	48.9	43.5	32.8	32.8	31.5	26.1	26.1	28.8	28.8	26.8	26.1
72.5°	25.4	24.1	21.4	24.1	20.1	16.1	16.1	17.4	16.1	13.4	13.4
75°	10.0	10.0	9.4	12.0	8.7	7.4	6.7	8.0	6.0	4.7	4.7
77.5°	2.7	2.7	2.7	3.3	2.0	2.0	1.3	1.3	0.7	0.0	0.0
80°	0.0	0.7	0.0	0.7	0.0	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)