

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: P631323

Luminaire Tested: GWS-SA1F-740-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631323
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-SA1F-740-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4927.7 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

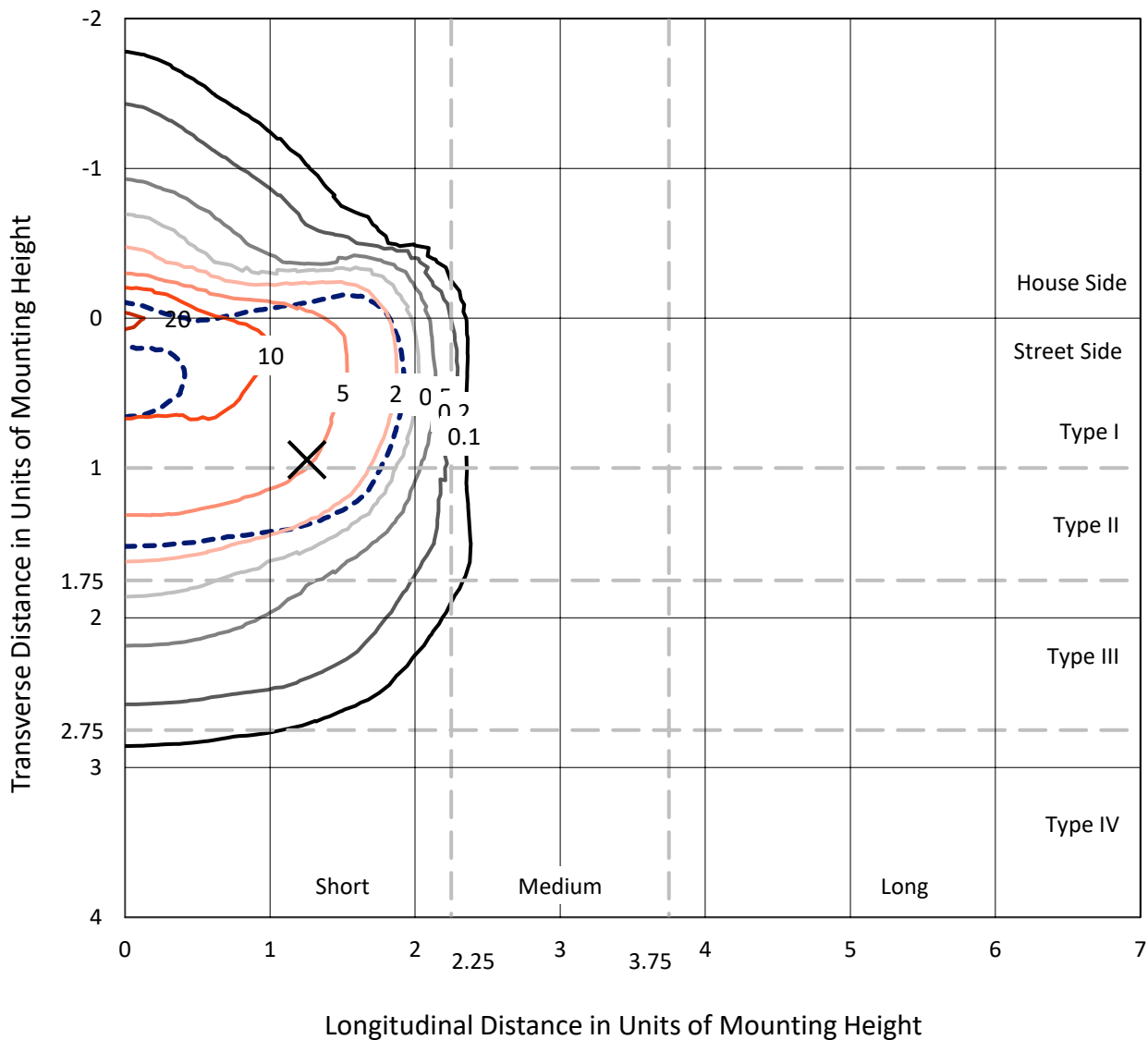
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

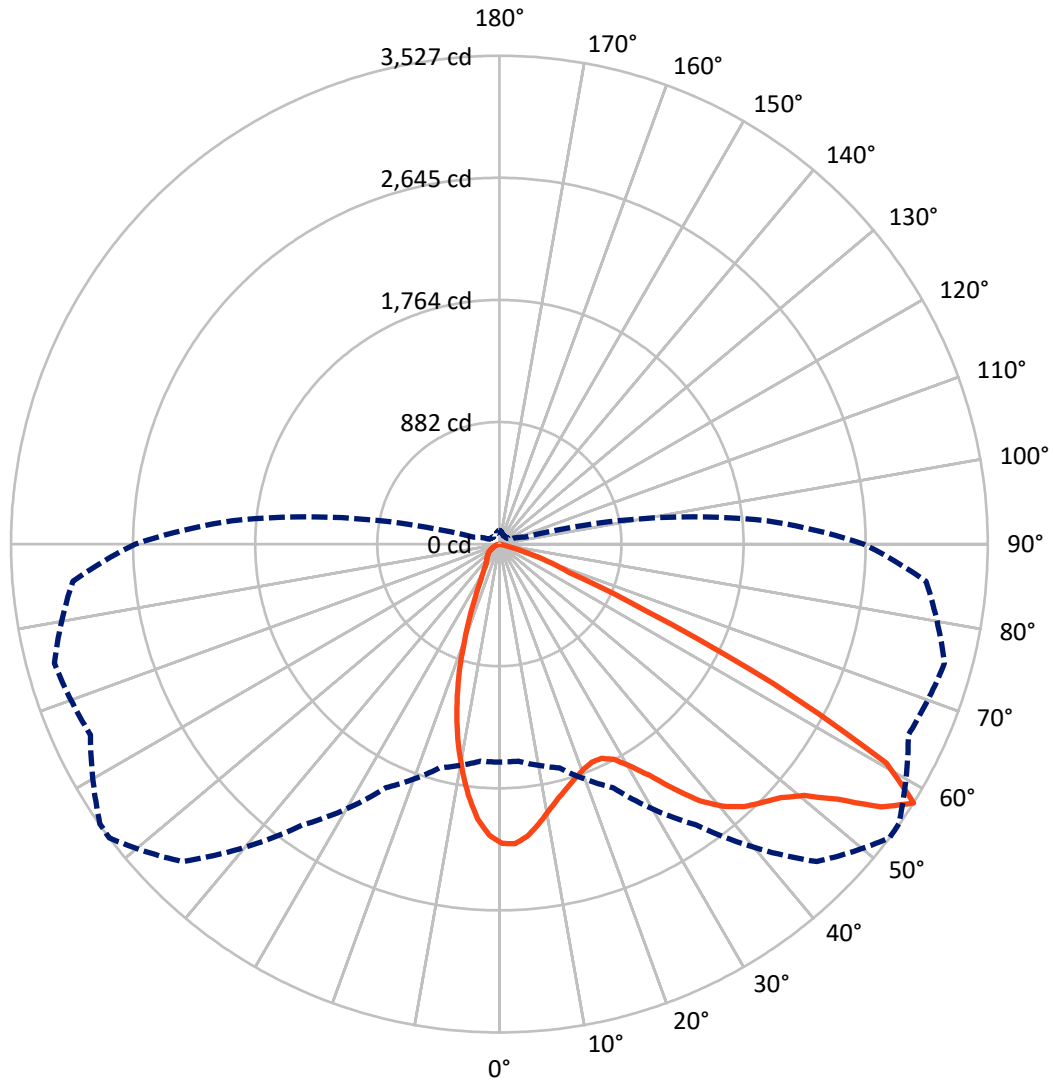
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 21.6 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	814.0	0.0	814.0
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	4113.7	0.0	4113.7
	% Fixture	83.5	0.0	83.5
Total	Lumens	4927.7	0.0	4927.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.9	3.8
10°-20°	406.0	8.2
20°-30°	528.9	10.7
30°-40°	767.2	15.6
40°-50°	1107.0	22.5
50°-60°	1338.9	27.2
60°-70°	545.7	11.1
70°-80°	49.0	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°	4927.7	100.0
0°-180°	4927.7	100.0

Coefficient of Utilization



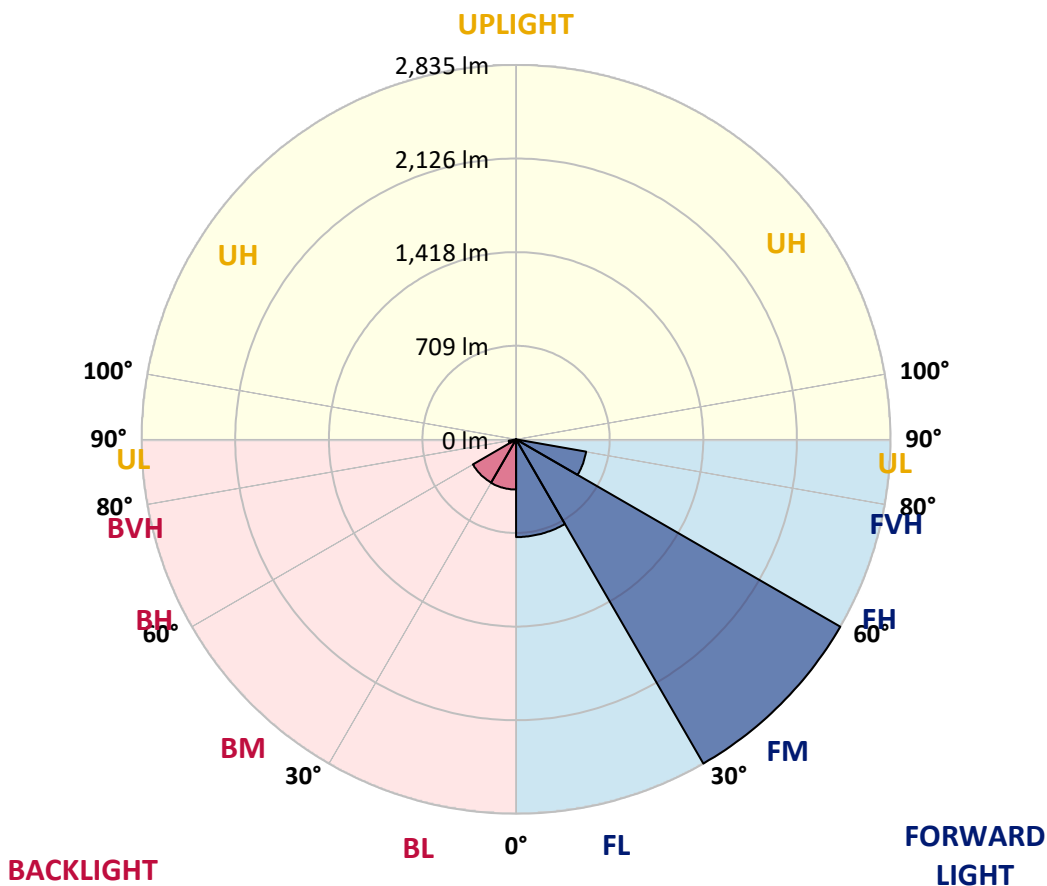
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	740.0	15.0			
FM (30°-60°)	2835.3	57.5			
FH (60°-80°)	538.4	10.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	379.9	7.7	B1/500		
BM (30°-60°)	377.8	7.7	B1/1000		
BH (60°-80°)	56.3	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°	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6
2.5°	2131.4	2136.2	2144.7	2155.5	2162.8	2166.4	2166.4	2176.7	2170.0	2164.6	2158.6
5°	2040.2	2045.0	2056.5	2074.0	2091.5	2104.2	2118.7	2129.6	2133.8	2133.8	2123.5
7.5°	1911.5	1918.2	1925.4	1949.6	1987.6	2016.0	2040.8	2056.5	2079.4	2086.7	2072.2
10°	1773.2	1779.9	1796.2	1829.4	1872.9	1915.2	1957.4	1977.4	2016.6	2037.2	2020.8
12.5°	1656.1	1659.1	1680.8	1720.7	1776.2	1834.2	1885.6	1906.1	1961.7	1992.5	1973.1
15°	1559.4	1561.2	1583.0	1627.1	1691.1	1762.4	1827.0	1848.1	1916.4	1962.9	1933.9
17.5°	1486.3	1486.9	1505.7	1553.4	1620.4	1699.5	1776.2	1802.2	1890.4	1946.6	1903.1
20°	1449.5	1447.7	1461.0	1502.7	1566.1	1645.2	1735.8	1767.8	1875.9	1944.1	1879.5
22.5°	1450.1	1445.9	1451.3	1480.9	1534.7	1608.9	1710.4	1746.7	1877.1	1954.4	1859.6
25°	1484.5	1478.5	1479.7	1495.4	1533.5	1601.1	1714.0	1752.7	1901.3	1988.8	1852.3
27.5°	1542.5	1535.9	1535.9	1543.7	1564.3	1625.9	1759.3	1803.4	1965.9	2055.9	1867.4
30°	1617.4	1610.8	1608.3	1616.2	1633.1	1689.9	1860.2	1906.1	2076.4	2165.8	1915.8
32.5°	1703.2	1695.3	1699.5	1710.4	1726.7	1805.2	1990.0	2051.0	2214.7	2313.8	2002.7
35°	1793.8	1787.1	1806.4	1830.0	1855.4	1965.3	2169.4	2222.6	2384.4	2498.0	2135.6
37.5°	1880.1	1877.1	1917.6	1967.1	2019.6	2157.3	2351.8	2392.9	2530.0	2698.5	2298.1
40°	1966.5	1965.9	2035.3	2122.3	2206.3	2348.8	2490.1	2523.9	2618.8	2854.3	2453.9
42.5°	2063.1	2063.1	2159.2	2275.1	2386.8	2510.7	2591.6	2606.7	2658.6	2944.3	2571.1
45°	2155.5	2161.0	2272.1	2406.8	2539.0	2636.9	2661.6	2662.9	2674.9	2997.4	2668.3
47.5°	2228.6	2233.4	2366.3	2521.5	2664.1	2732.9	2736.5	2731.1	2717.8	3048.2	2743.2
50°	2287.8	2295.0	2434.0	2598.2	2749.8	2825.3	2853.1	2847.7	2813.8	3102.5	2795.7
52.5°	2316.8	2327.1	2457.5	2636.3	2845.3	2983.6	3060.9	3073.5	2957.6	3132.7	2845.9
55°	2084.9	2100.0	2220.2	2464.8	2898.4	3228.2	3349.6	3347.1	3113.4	3222.7	2967.9
57.5°	1574.5	1573.3	1673.0	1940.5	2475.6	3242.1	3527.1	3522.3	3259.0	3327.2	3092.9
60°	1072.0	1064.8	1091.4	1220.6	1730.9	2641.1	3210.0	3275.3	3155.7	3073.5	2626.0
62.5°	882.4	875.7	867.3	831.7	994.1	1645.2	2217.7	2316.8	2301.1	2136.2	1647.0
65°	722.3	727.8	751.3	736.2	691.5	843.7	1151.1	1209.7	1105.8	930.7	575.6
67.5°	532.7	535.1	565.9	645.6	621.5	561.7	541.8	551.4	323.1	148.6	96.0
70°	314.7	316.5	344.9	451.8	504.3	431.2	366.0	360.6	128.0	39.9	43.5
72.5°	178.2	174.5	180.0	215.0	274.8	228.9	188.4	171.5	38.7	22.3	22.3
75°	84.6	82.1	70.7	66.4	60.4	38.7	24.2	20.5	9.7	9.1	9.1
77.5°	0.6	1.8	1.2	1.8	1.8	1.2	0.6	0.6	1.8	1.8	2.4
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°	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6
2.5°	2147.7	2129.6	2125.3	2124.1	2107.2	2089.1	2070.4	2063.1	2052.3	2045.6	2051.0
5°	2107.2	2081.2	2058.3	2037.2	1999.7	1958.6	1923.0	1900.1	1878.3	1863.8	1867.4
7.5°	2049.8	2016.0	1963.5	1909.7	1840.9	1779.3	1710.4	1668.1	1628.9	1607.1	1617.4
10°	1988.8	1944.1	1860.2	1769.0	1660.9	1564.3	1465.8	1385.5	1339.0	1294.9	1299.7
12.5°	1929.0	1869.9	1744.2	1605.9	1469.4	1326.9	1178.3	1067.2	991.1	936.1	927.7
15°	1873.5	1797.4	1631.3	1448.9	1262.9	1073.2	883.6	724.8	636.6	582.2	578.6
17.5°	1824.0	1729.7	1514.1	1284.6	1051.5	808.7	590.7	471.7	421.0	397.4	395.0
20°	1776.2	1661.5	1394.5	1117.9	820.8	567.7	407.7	352.7	336.4	326.7	327.9
22.5°	1730.3	1587.2	1268.9	933.1	615.4	398.6	315.9	294.7	292.9	294.1	294.7
25°	1691.7	1519.0	1139.7	754.9	439.1	303.8	263.9	257.9	263.3	271.2	272.4
27.5°	1671.8	1463.4	1013.4	575.6	317.7	247.0	228.9	231.3	241.0	249.4	250.6
30°	1677.2	1421.7	883.0	417.3	244.6	208.4	202.3	207.2	216.8	224.7	225.9
32.5°	1715.8	1400.6	749.5	303.8	201.1	181.8	179.4	183.0	191.5	197.5	198.1
35°	1792.6	1405.4	622.7	232.5	172.7	161.9	161.3	163.7	167.9	172.1	172.7
37.5°	1905.5	1444.7	497.7	193.3	156.4	148.6	146.2	146.2	149.2	151.0	152.2
40°	2026.9	1503.9	398.6	170.9	145.0	136.5	131.7	129.9	132.3	134.7	135.3
42.5°	2127.1	1563.0	323.7	155.2	135.9	124.4	118.4	117.2	120.2	124.4	125.6
45°	2203.8	1608.9	270.0	142.5	125.6	112.9	106.3	106.3	111.7	119.0	120.2
47.5°	2273.9	1645.8	230.1	131.1	116.0	102.7	96.0	97.2	106.3	116.0	117.8
50°	2321.6	1675.4	200.5	120.8	108.1	94.2	88.2	90.6	101.5	112.9	114.8
52.5°	2373.0	1711.6	181.2	111.7	100.9	87.6	82.1	84.0	96.0	108.7	111.1
55°	2514.9	1833.0	180.6	99.7	88.2	78.5	76.1	76.7	88.8	103.3	106.3
57.5°	2630.8	1939.9	192.7	84.0	73.7	68.9	67.6	68.2	79.1	95.4	99.0
60°	2176.7	1507.5	159.4	69.5	61.6	60.4	58.6	59.8	70.1	84.6	87.6
62.5°	1288.2	861.8	76.1	53.1	52.5	51.3	49.5	51.9	61.6	74.3	76.1
65°	440.3	255.5	48.3	43.5	44.7	42.9	41.1	43.5	51.9	59.2	59.8
67.5°	84.6	67.6	38.7	36.2	36.8	33.2	32.6	35.0	39.9	41.1	40.5
70°	44.1	39.3	29.6	29.6	28.4	23.6	23.6	26.0	26.0	24.2	23.6
72.5°	23.0	21.7	19.3	21.7	18.1	14.5	14.5	15.7	14.5	12.1	12.1
75°	9.1	9.1	8.5	10.9	7.9	6.6	6.0	7.2	5.4	4.2	4.2
77.5°	2.4	2.4	2.4	3.0	1.8	1.8	1.2	1.2	0.6	0.0	0.0
80°	0.0	0.6	0.0	0.6	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)