

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: P632313

Luminaire Tested: GWS-SA2C-740-U-SL3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632313  
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-740-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) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

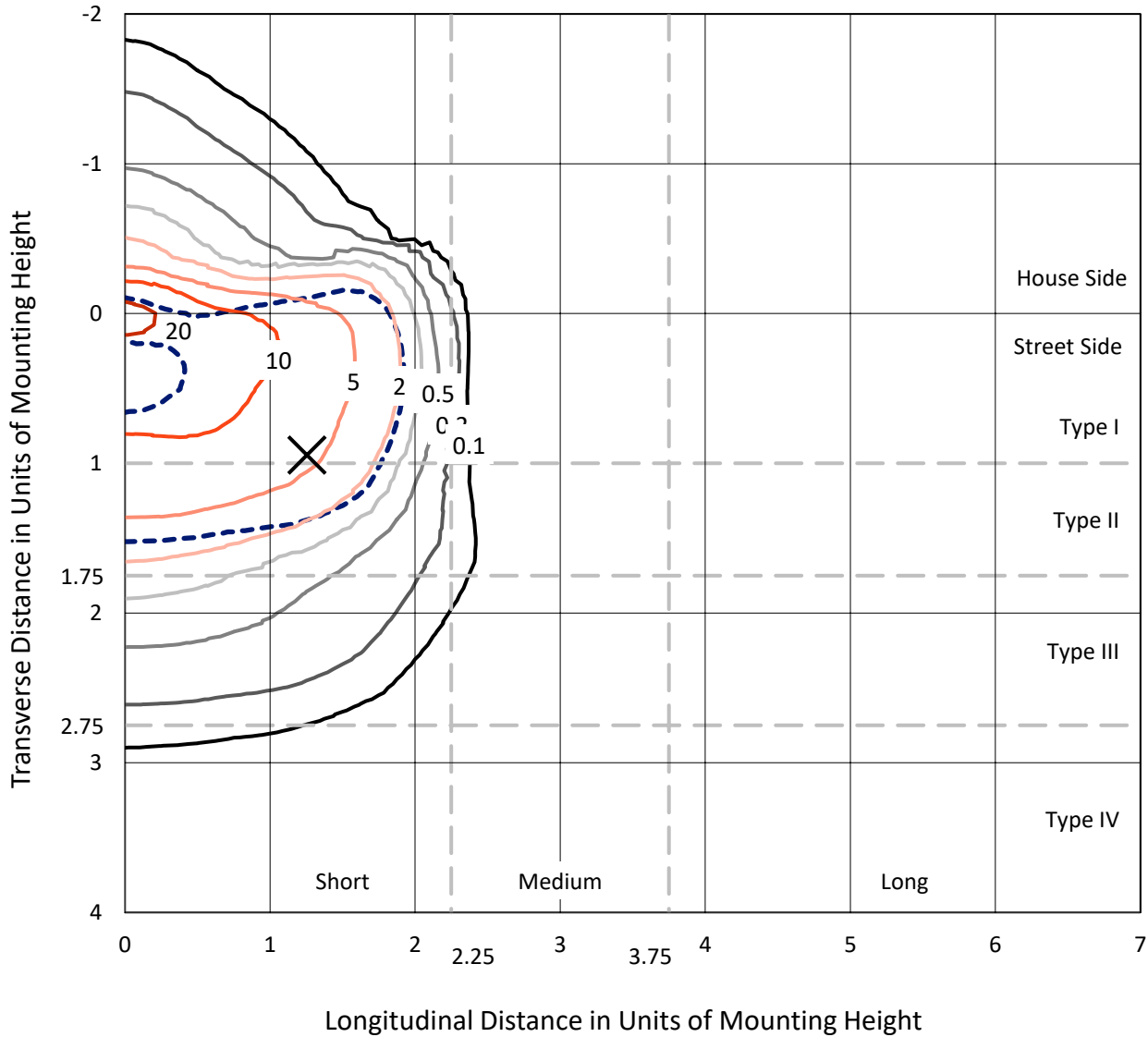
Lumens per Lamp: N/A  
Luminaire Lumens: 5413.4 lumens  
Efficiency: N/A  
Efficacy: 85.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 63.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

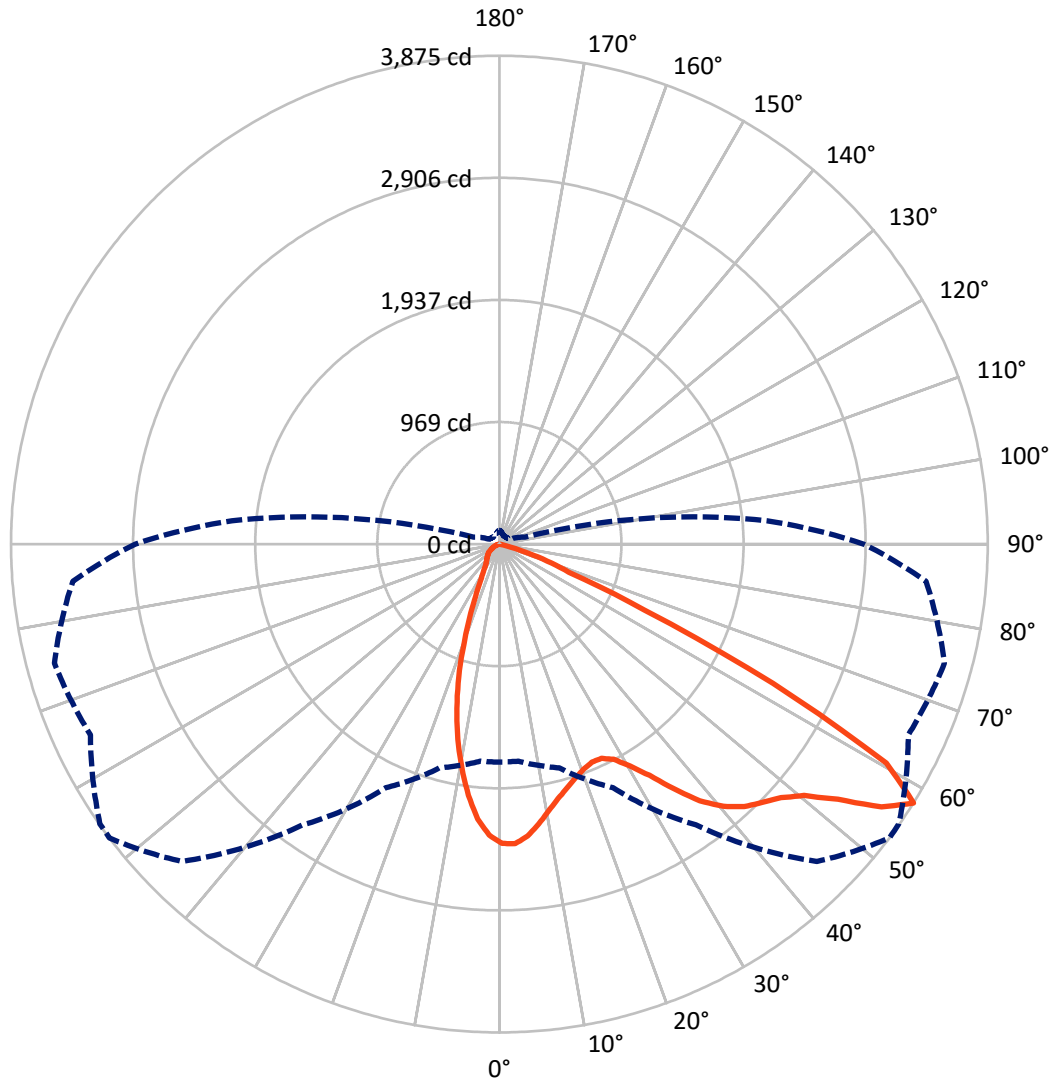
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 23.7 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
<b>House Side</b>	Lumens	894.2	0.0	894.2
	% Fixture	16.5	0.0	16.5
<b>Street Side</b>	Lumens	4519.2	0.0	4519.2
	% Fixture	83.5	0.0	83.5
<b>Total</b>	Lumens	5413.4	0.0	5413.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	203.2	3.8
10°-20°	446.0	8.2
20°-30°	581.1	10.7
30°-40°	842.8	15.6
40°-50°	1216.2	22.5
50°-60°	1470.8	27.2
60°-70°	599.5	11.1
70°-80°	53.9	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°	5413.4	100.0
0°-180°	5413.4	100.0

**Coefficient of Utilization**



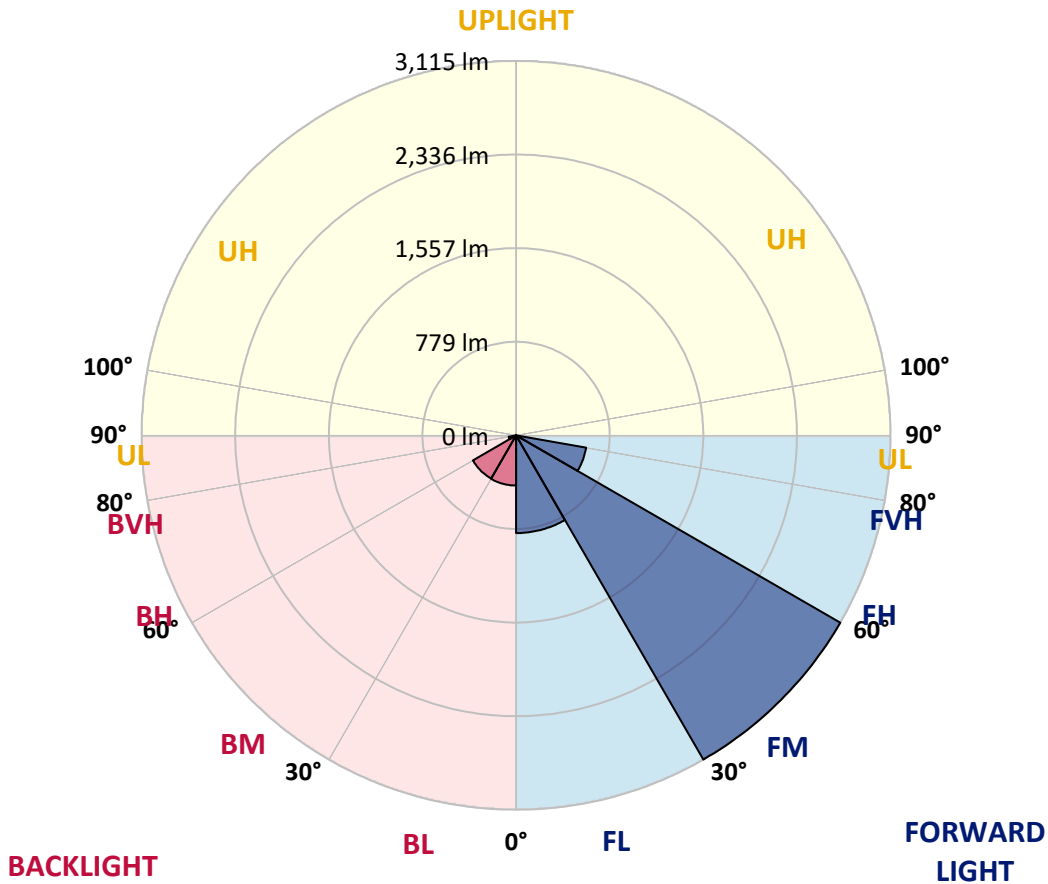
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	812.9	15.0			
FM (30°-60°)	3114.8	57.5			
FH (60°-80°)	591.5	10.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	417.3	7.7	B1/500		
BM (30°-60°)	415.1	7.7	B1/1000		
BH (60°-80°)	61.8	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°	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6
2.5°	2341.5	2346.8	2356.0	2368.0	2376.0	2379.9	2379.9	2391.2	2383.9	2377.9	2371.3
5°	2241.3	2246.6	2259.2	2278.4	2297.7	2311.6	2327.5	2339.5	2344.1	2344.1	2332.8
7.5°	2099.9	2107.2	2115.2	2141.7	2183.5	2214.7	2241.9	2259.2	2284.4	2292.4	2276.4
10°	1948.0	1955.3	1973.2	2009.7	2057.5	2103.9	2150.4	2172.3	2215.4	2237.9	2220.0
12.5°	1819.3	1822.6	1846.5	1890.3	1951.3	2015.0	2071.4	2094.0	2155.0	2188.8	2167.6
15°	1713.1	1715.1	1739.0	1787.4	1857.8	1936.1	2007.1	2030.3	2105.2	2156.3	2124.5
17.5°	1632.8	1633.5	1654.1	1706.5	1780.1	1867.1	1951.3	1979.9	2076.7	2138.4	2090.7
20°	1592.4	1590.4	1605.0	1650.8	1720.4	1807.3	1906.9	1942.0	2060.8	2135.8	2064.8
22.5°	1593.0	1588.4	1594.4	1626.9	1685.9	1767.5	1879.0	1918.8	2062.1	2147.0	2042.9
25°	1630.9	1624.2	1625.5	1642.8	1684.6	1758.9	1883.0	1925.4	2088.7	2184.9	2034.9
27.5°	1694.5	1687.3	1687.3	1695.9	1718.4	1786.1	1932.7	1981.2	2159.7	2258.5	2051.5
30°	1776.8	1769.5	1766.9	1775.5	1794.1	1856.4	2043.5	2094.0	2281.1	2379.3	2104.6
32.5°	1871.0	1862.4	1867.1	1879.0	1896.9	1983.2	2186.2	2253.2	2433.0	2541.8	2200.1
35°	1970.6	1963.3	1984.5	2010.4	2038.2	2159.0	2383.3	2441.6	2619.5	2744.2	2346.1
37.5°	2065.4	2062.1	2106.6	2161.0	2218.7	2370.0	2583.6	2628.7	2779.4	2964.5	2524.6
40°	2160.3	2159.7	2236.0	2331.5	2423.7	2580.3	2735.6	2772.7	2876.9	3135.6	2695.8
42.5°	2266.5	2266.5	2372.0	2499.4	2622.1	2758.1	2847.0	2863.6	2920.7	3234.5	2824.5
45°	2368.0	2374.0	2496.0	2644.0	2789.3	2896.8	2924.0	2925.3	2938.6	3292.9	2931.3
47.5°	2448.3	2453.6	2599.5	2770.1	2926.6	3002.3	3006.3	3000.3	2985.7	3348.6	3013.6
50°	2513.3	2521.3	2673.9	2854.3	3020.9	3103.8	3134.3	3128.3	3091.2	3408.3	3071.3
52.5°	2545.1	2556.4	2699.7	2896.1	3125.7	3277.6	3362.6	3376.5	3249.1	3441.5	3126.4
55°	2290.4	2307.0	2439.0	2707.7	3184.1	3546.3	3679.7	3677.1	3420.3	3540.4	3260.4
57.5°	1729.7	1728.4	1837.9	2131.8	2719.6	3561.6	3874.8	3869.5	3580.2	3655.2	3397.7
60°	1177.7	1169.7	1198.9	1340.9	1901.6	2901.4	3526.4	3598.1	3466.7	3376.5	2884.8
62.5°	969.4	962.1	952.8	913.6	1092.1	1807.3	2436.3	2545.1	2527.9	2346.8	1809.3
65°	793.5	799.5	825.4	808.8	759.7	926.9	1264.6	1329.0	1214.8	1022.4	632.3
67.5°	585.2	587.9	621.7	709.3	682.7	617.0	595.1	605.8	355.0	163.2	105.5
70°	345.7	347.7	378.9	496.3	554.0	473.7	402.1	396.1	140.7	43.8	47.8
72.5°	195.7	191.7	197.7	236.2	301.9	251.5	207.0	188.4	42.5	24.5	24.5
75°	92.9	90.2	77.6	73.0	66.3	42.5	26.5	22.6	10.6	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°	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6
2.5°	2359.4	2339.5	2334.8	2333.5	2314.9	2295.0	2274.4	2266.5	2254.5	2247.2	2253.2
5°	2314.9	2286.4	2261.2	2237.9	2196.8	2151.7	2112.5	2087.3	2063.4	2047.5	2051.5
7.5°	2251.9	2214.7	2157.0	2098.0	2022.3	1954.6	1879.0	1832.6	1789.4	1765.5	1776.8
10°	2184.9	2135.8	2043.5	1943.4	1824.6	1718.4	1610.3	1522.0	1471.0	1422.5	1427.8
12.5°	2119.2	2054.2	1916.2	1764.2	1614.3	1457.7	1294.5	1172.4	1088.8	1028.4	1019.1
15°	2058.1	1974.5	1792.1	1591.7	1387.4	1179.0	970.7	796.2	699.3	639.6	635.6
17.5°	2003.7	1900.2	1663.4	1411.2	1155.1	888.4	648.9	518.2	462.5	436.6	433.9
20°	1951.3	1825.3	1532.0	1228.1	901.7	623.7	447.9	387.5	369.6	358.9	360.3
22.5°	1900.9	1743.6	1394.0	1025.1	676.1	437.9	347.0	323.8	321.8	323.1	323.8
25°	1858.4	1668.7	1252.0	829.4	482.4	333.7	289.9	283.3	289.3	297.9	299.2
27.5°	1836.5	1607.6	1113.3	632.3	349.0	271.4	251.5	254.1	264.7	274.0	275.3
30°	1842.5	1561.9	970.0	458.5	268.7	228.9	222.3	227.6	238.2	246.8	248.1
32.5°	1885.0	1538.6	823.4	333.7	220.9	199.7	197.1	201.0	210.3	217.0	217.6
35°	1969.2	1543.9	684.1	255.4	189.8	177.8	177.2	179.8	184.4	189.1	189.8
37.5°	2093.3	1587.1	546.7	212.3	171.8	163.2	160.6	160.6	163.9	165.9	167.2
40°	2226.7	1652.1	437.9	187.8	159.2	149.9	144.6	142.7	145.3	148.0	148.6
42.5°	2336.8	1717.1	355.6	170.5	149.3	136.7	130.0	128.7	132.0	136.7	138.0
45°	2421.1	1767.5	296.6	156.6	138.0	124.1	116.8	116.8	122.7	130.7	132.0
47.5°	2498.0	1808.0	252.8	144.0	127.4	112.8	105.5	106.8	116.8	127.4	129.4
50°	2550.5	1840.5	220.3	132.7	118.8	103.5	96.9	99.5	111.5	124.1	126.1
52.5°	2606.8	1880.3	199.0	122.7	110.8	96.2	90.2	92.2	105.5	119.4	122.1
55°	2762.8	2013.7	198.4	109.5	96.9	86.3	83.6	84.3	97.5	113.5	116.8
57.5°	2890.2	2131.1	211.7	92.2	80.9	75.6	74.3	75.0	86.9	104.8	108.8
60°	2391.2	1656.1	175.2	76.3	67.7	66.3	64.4	65.7	77.0	92.9	96.2
62.5°	1415.2	946.8	83.6	58.4	57.7	56.4	54.4	57.1	67.7	81.6	83.6
65°	483.7	280.7	53.1	47.8	49.1	47.1	45.1	47.8	57.1	65.0	65.7
67.5°	92.9	74.3	42.5	39.8	40.5	36.5	35.8	38.5	43.8	45.1	44.5
70°	48.4	43.1	32.5	32.5	31.2	25.9	25.9	28.5	28.5	26.5	25.9
72.5°	25.2	23.9	21.2	23.9	19.9	15.9	15.9	17.3	15.9	13.3	13.3
75°	10.0	10.0	9.3	11.9	8.6	7.3	6.6	8.0	6.0	4.6	4.6
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)