

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: P634344

Luminaire Tested: GWS-SA3B-750-U-SL2-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634344  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3B-750-U-SL2-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

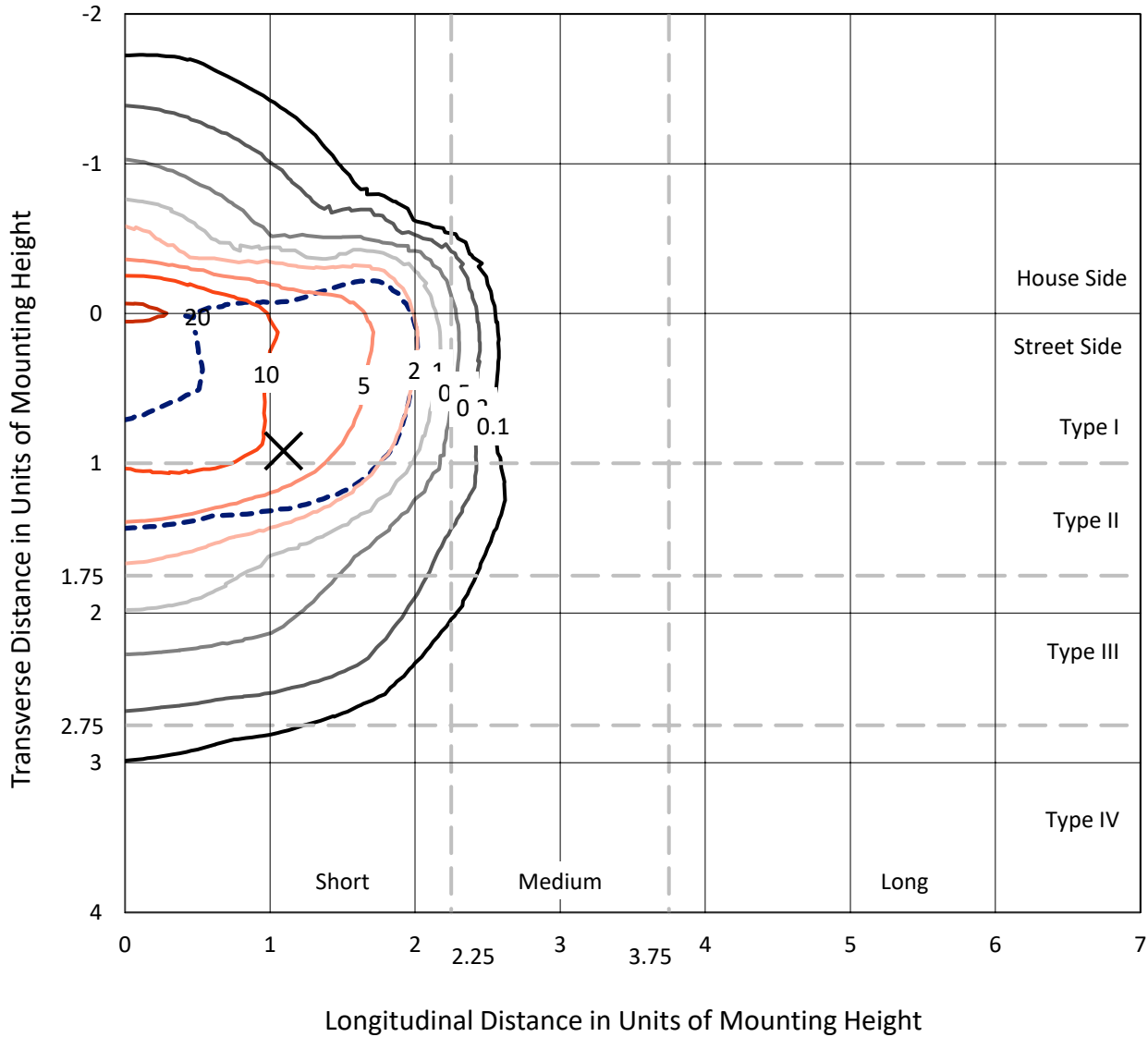
Lumens per Lamp: N/A  
Luminaire Lumens: 6247.6 lumens  
Efficiency: N/A  
Efficacy: 91.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

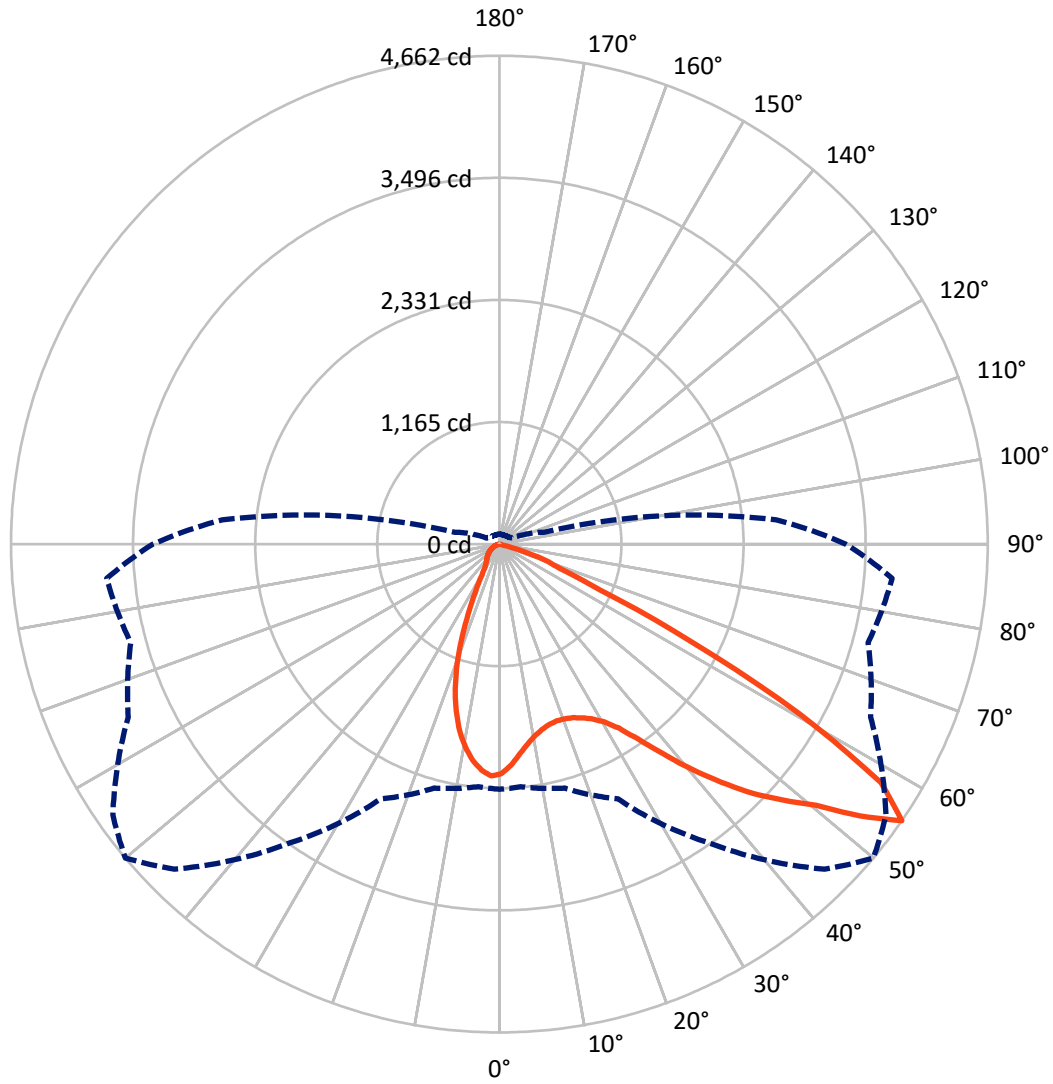
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 21.9 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1231.1	0.0	1231.1
	% Fixture	19.7	0.0	19.7
<b>Street Side</b>	Lumens	5016.5	0.0	5016.5
	% Fixture	80.3	0.0	80.3
<b>Total</b>	Lumens	6247.6	0.0	6247.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	192.5	3.1
10°-20°	473.7	7.6
20°-30°	668.2	10.7
30°-40°	988.8	15.8
40°-50°	1426.5	22.8
50°-60°	1682.7	26.9
60°-70°	750.6	12.0
70°-80°	64.5	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°	6247.6	100.0
0°-180°	6247.6	100.0

**Coefficient of Utilization**



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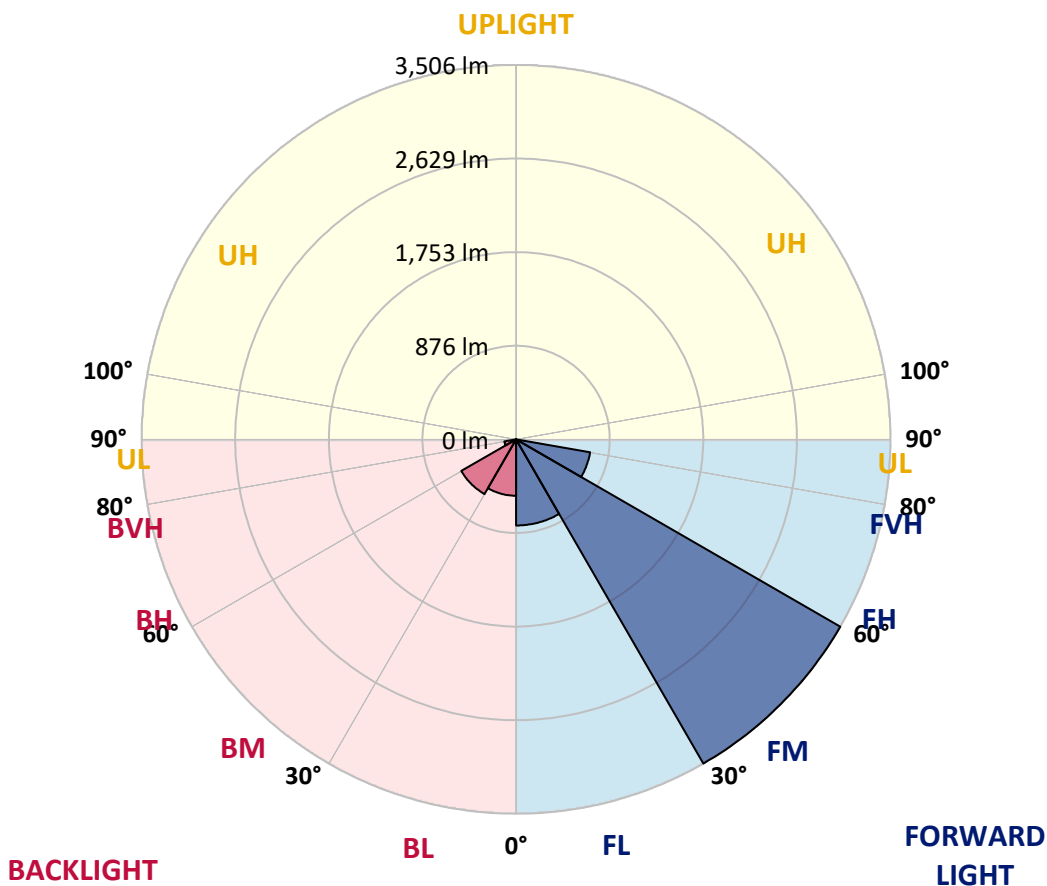
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	806.6	12.9			
FM (30°-60°)	3505.9	56.1			
FH (60°-80°)	704.0	11.3			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	527.8	8.4	B2/1000		
BM (30°-60°)	592.1	9.5	B1/1000		
BH (60°-80°)	111.2	1.8	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°	50°	55°	65°	75°	85°
0°	2192.0	2192.0	2192.0	2192.0	2192.0	2192.0	2192.0	2192.0	2192.0	2192.0	2192.0
2.5°	2036.4	2037.9	2038.7	2059.3	2066.9	2097.4	2113.4	2121.8	2144.0	2169.9	2191.2
5°	1899.9	1897.6	1901.4	1927.3	1944.1	1989.1	2013.5	2030.3	2079.1	2140.1	2191.2
7.5°	1780.9	1785.5	1790.1	1818.3	1843.5	1892.3	1927.3	1952.5	2020.4	2111.2	2197.3
10°	1697.0	1697.0	1703.9	1735.9	1765.7	1825.9	1861.0	1893.0	1973.9	2085.2	2204.2
12.5°	1635.2	1636.0	1644.4	1681.0	1715.3	1777.9	1814.5	1845.7	1935.0	2059.3	2205.7
15°	1606.3	1604.0	1610.8	1649.7	1687.9	1746.6	1784.7	1815.2	1907.5	2044.8	2213.4
17.5°	1598.6	1597.1	1602.4	1640.6	1679.5	1736.7	1774.0	1804.6	1903.7	2049.4	2236.2
20°	1620.7	1617.7	1615.4	1648.2	1684.8	1741.2	1780.1	1814.5	1922.0	2074.5	2271.3
22.5°	1673.4	1673.4	1668.0	1684.0	1708.5	1759.6	1800.0	1845.0	1970.1	2124.9	2323.2
25°	1770.2	1762.6	1752.7	1759.6	1756.5	1788.5	1836.6	1899.1	2060.8	2208.0	2386.5
27.5°	1880.8	1887.7	1870.9	1871.7	1845.0	1833.5	1889.2	1983.8	2195.8	2325.5	2480.3
30°	2031.1	2025.7	2026.5	2024.2	1962.4	1908.3	1968.5	2094.4	2365.9	2504.7	2602.3
32.5°	2148.5	2156.2	2181.3	2195.8	2115.0	2028.0	2092.1	2244.6	2559.6	2709.1	2751.8
35°	2272.9	2286.6	2337.7	2385.0	2317.1	2217.2	2285.8	2443.7	2741.9	2911.2	2923.4
37.5°	2404.0	2431.5	2492.5	2575.6	2565.0	2476.5	2539.0	2677.8	2885.3	3033.3	3065.3
40°	2554.3	2581.0	2680.9	2800.6	2825.8	2806.0	2826.6	2907.4	2979.9	3038.6	3126.3
42.5°	2719.0	2755.6	2882.3	3042.4	3137.0	3154.5	3106.5	3098.1	3021.1	2977.6	3113.3
45°	2913.5	2956.2	3099.6	3307.1	3457.3	3481.0	3397.8	3290.3	3047.0	2932.6	3074.5
47.5°	3131.7	3172.1	3314.7	3564.1	3787.6	3796.7	3651.8	3478.7	3124.0	2984.5	3104.2
50°	3204.9	3230.0	3353.6	3646.5	4058.3	4128.5	3918.8	3690.7	3278.9	3137.0	3249.1
52.5°	2953.2	2963.1	3070.6	3366.6	4003.4	4454.2	4308.5	4007.2	3554.2	3369.6	3472.6
55°	2340.0	2324.0	2410.9	2682.4	3479.4	4387.8	4661.6	4504.5	3908.8	3642.7	3763.2
57.5°	1636.8	1617.7	1597.9	1781.7	2596.2	3719.7	4295.5	4573.9	4246.7	3913.4	4076.6
60°	1345.4	1327.1	1231.0	1146.3	1569.6	2671.0	3299.4	3823.4	4219.3	3899.7	4066.7
62.5°	1162.4	1151.7	1112.8	997.6	923.6	1524.6	2066.2	2568.0	3237.7	3062.2	3071.4
65°	913.0	909.9	936.6	948.8	816.9	843.5	1054.1	1334.7	1750.4	1650.5	1565.1
67.5°	623.9	617.0	667.4	820.7	785.6	665.8	617.0	622.4	757.4	463.0	367.6
70°	396.6	380.6	381.4	508.7	639.1	525.5	475.9	418.7	376.8	68.6	77.8
72.5°	254.0	244.1	209.7	229.6	295.9	256.3	258.6	222.7	148.7	36.6	42.7
75°	106.8	98.4	75.5	60.3	59.5	37.4	32.8	30.5	20.6	20.6	22.1
77.5°	0.8	0.0	0.0	0.8	1.5	0.8	0.8	1.5	3.1	4.6	5.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
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°	2192.0	2192.0	2192.0	2192.0	2192.0	2192.0	2192.0	2192.0	2192.0	2192.0	2192.0
2.5°	2204.2	2185.9	2206.5	2214.1	2213.4	2214.1	2192.0	2176.8	2176.0	2156.9	2147.8
5°	2212.6	2198.1	2213.4	2203.4	2179.8	2150.1	2110.4	2076.1	2060.8	2038.7	2028.0
7.5°	2228.6	2213.4	2211.1	2171.4	2112.7	2050.1	1980.0	1917.4	1883.9	1843.5	1845.7
10°	2240.1	2222.5	2192.8	2111.9	2014.3	1914.4	1809.9	1716.8	1658.1	1604.0	1594.8
12.5°	2244.6	2218.7	2149.3	2027.3	1890.0	1759.6	1606.3	1473.5	1382.0	1311.1	1301.2
15°	2253.0	2211.1	2093.6	1925.1	1736.7	1552.1	1356.8	1175.3	1054.1	972.4	979.3
17.5°	2266.0	2202.7	2031.1	1810.7	1571.9	1311.1	1047.2	839.0	727.6	680.3	681.1
20°	2284.3	2192.8	1962.4	1684.8	1374.4	1038.8	732.2	575.1	543.8	542.3	540.0
22.5°	2308.7	2182.9	1889.2	1546.8	1140.2	727.6	487.4	438.6	451.5	476.7	481.3
25°	2337.7	2170.6	1807.6	1391.2	884.7	477.5	365.3	357.7	389.0	422.5	430.2
27.5°	2382.7	2164.5	1714.6	1214.2	620.8	342.5	299.0	303.6	331.8	360.0	366.9
30°	2459.0	2176.0	1613.1	1015.9	398.9	273.0	259.3	266.2	281.4	295.9	302.0
32.5°	2562.7	2209.5	1514.7	799.3	284.5	237.2	234.1	238.0	244.1	252.5	254.7
35°	2683.9	2267.5	1413.3	572.0	234.9	216.6	213.6	213.6	216.6	218.1	218.9
37.5°	2783.9	2328.5	1317.9	380.6	210.5	200.6	196.0	193.7	193.0	194.5	195.3
40°	2827.3	2353.7	1214.2	276.9	193.0	186.1	179.2	172.4	172.4	177.7	178.5
42.5°	2796.8	2325.5	1094.5	228.8	180.8	170.8	160.2	154.1	157.1	162.5	164.0
45°	2732.0	2256.1	962.5	202.1	168.6	155.6	143.4	139.6	142.6	149.5	151.0
47.5°	2721.3	2210.3	804.7	184.6	155.6	142.6	129.7	125.8	129.7	135.0	136.5
50°	2827.3	2250.0	629.2	169.3	143.4	128.9	118.2	114.4	116.7	119.7	121.3
52.5°	3021.1	2397.2	508.0	154.8	128.9	115.2	108.3	103.7	103.7	106.8	107.5
55°	3307.1	2654.2	438.6	138.0	112.1	104.5	98.4	93.8	93.8	95.3	96.1
57.5°	3636.6	2965.4	454.6	115.9	98.4	94.6	89.2	85.4	86.9	86.9	86.9
60°	3590.8	2942.5	486.6	97.6	86.9	85.4	80.8	79.3	83.1	80.1	78.6
62.5°	2645.1	2032.6	254.7	80.1	74.7	73.2	70.2	73.2	78.6	70.2	67.1
65°	1284.4	983.9	102.2	65.6	63.3	61.8	60.3	64.8	67.9	54.9	51.9
67.5°	302.0	245.6	66.4	55.7	52.6	49.6	51.1	51.9	49.6	37.4	35.8
70°	78.6	77.0	51.9	46.5	41.9	38.9	38.9	38.1	32.8	23.6	22.1
72.5°	42.7	41.9	37.4	35.1	29.0	25.9	26.7	23.6	18.3	13.7	13.0
75°	21.4	22.9	21.4	19.8	16.0	14.5	14.5	13.0	9.2	5.3	5.3
77.5°	4.6	5.3	5.3	4.6	3.8	3.1	3.1	3.8	1.5	0.0	0.0
80°	0.8	0.8	0.8	0.8	0.8	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)