

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: P641527

Luminaire Tested: GWS-SA6B-722-U-T3R-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641527  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6B-722-U-T3R-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

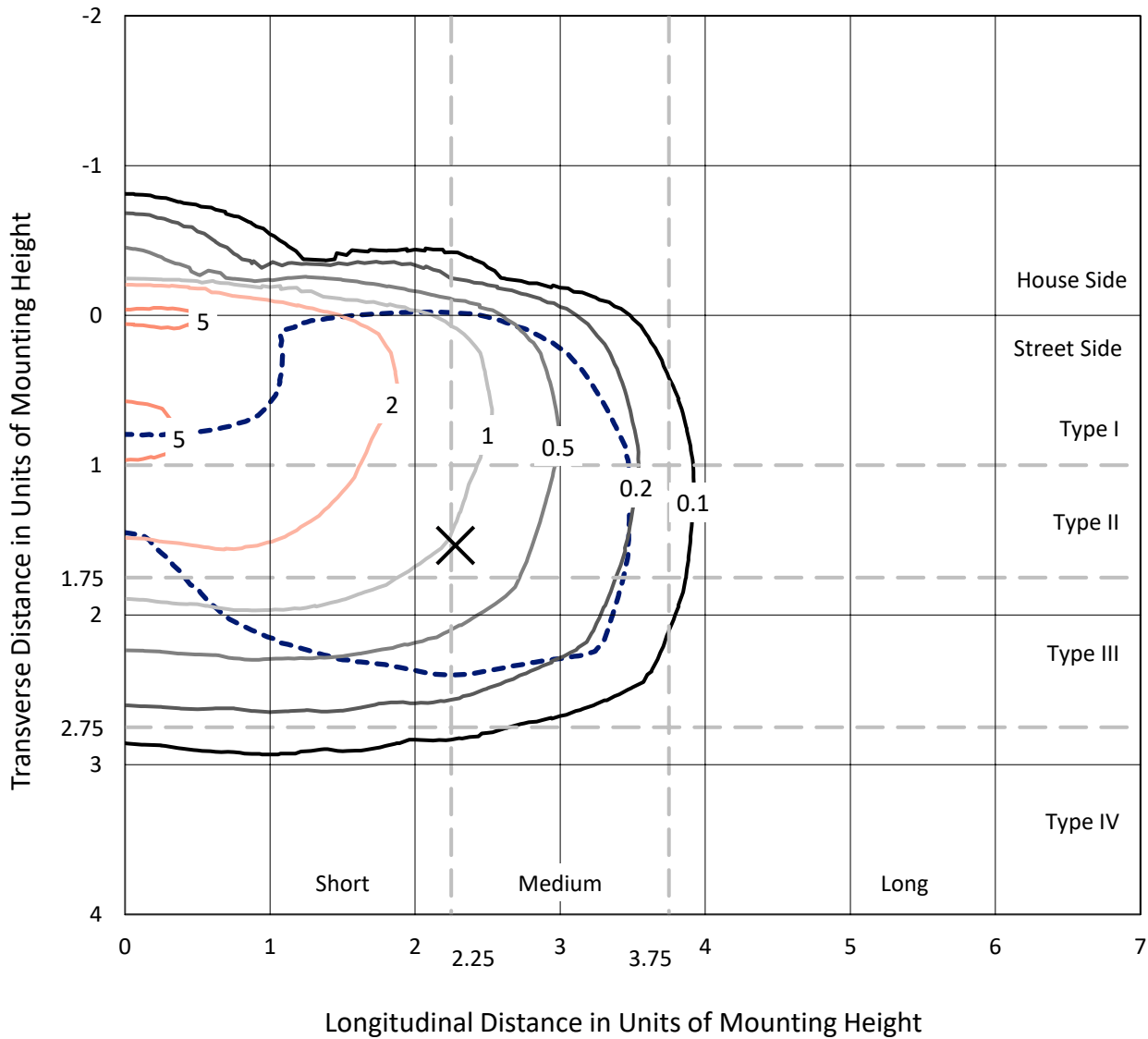
Lumens per Lamp: N/A  
Luminaire Lumens: 12208.6 lumens  
Efficiency: N/A  
Efficacy: 87.9 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): 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

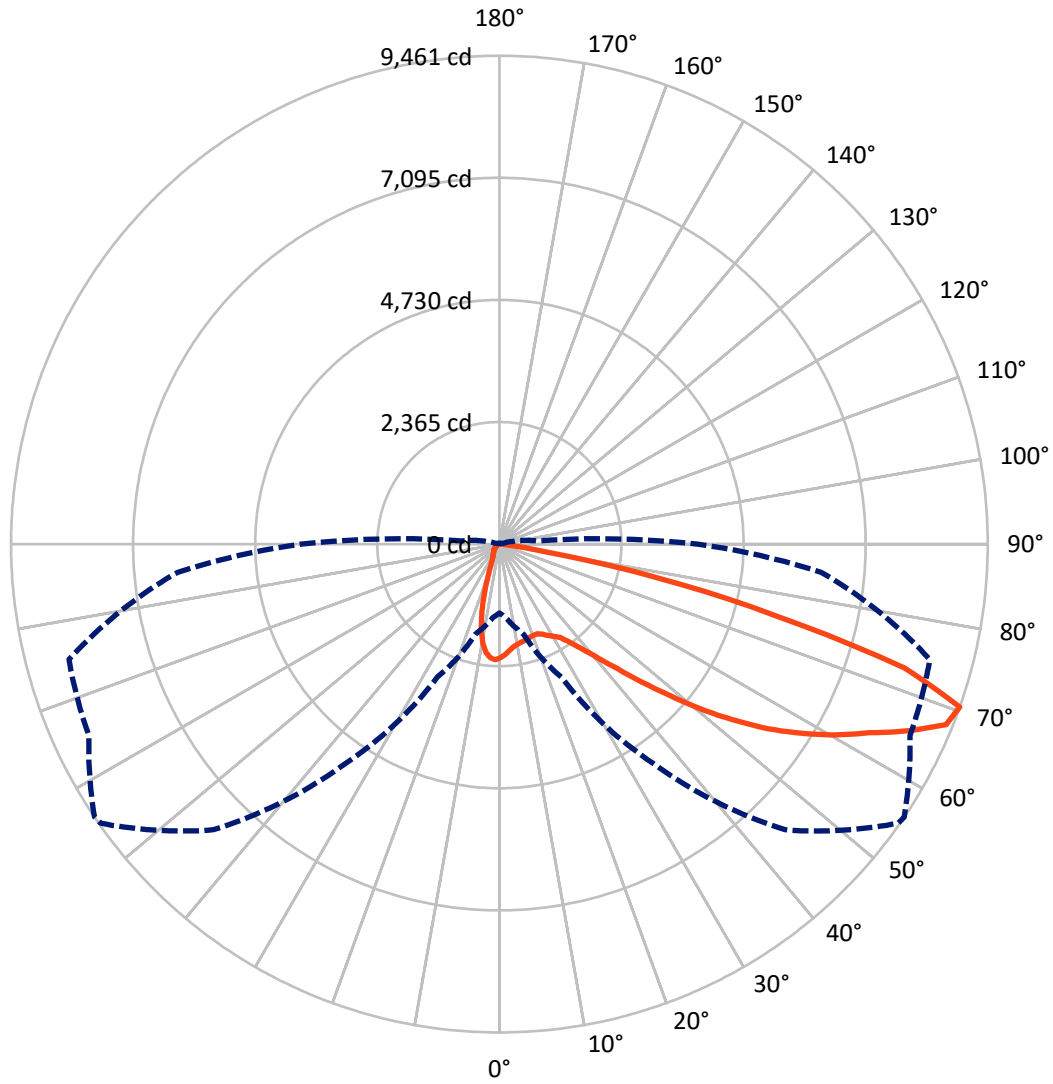
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.8 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1096.6	0.0	1096.6
	% Fixture	9.0	0.0	9.0
<b>Street Side</b>	Lumens	11112.0	0.0	11112.0
	% Fixture	91.0	0.0	91.0
<b>Total</b>	Lumens	12208.6	0.0	12208.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	189.0	1.5
10°-20°	425.1	3.5
20°-30°	673.3	5.5
30°-40°	1161.2	9.5
40°-50°	1960.8	16.1
50°-60°	2881.1	23.6
60°-70°	3415.7	28.0
70°-80°	1456.6	11.9
80°-90°	45.7	0.4
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°	12208.6	100.0
0°-180°	12208.6	100.0

**Coefficient of Utilization**



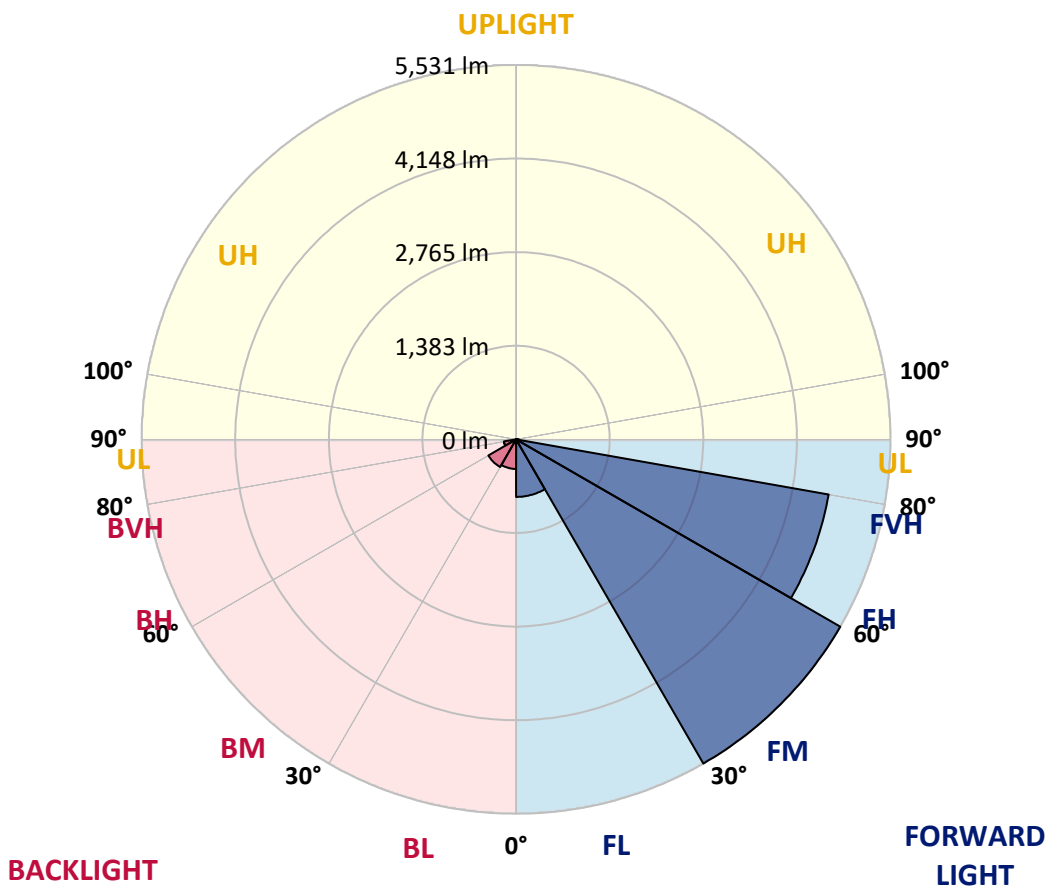
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	850.7	7.0			
FM (30°-60°)	5530.8	45.3			
FH (60°-80°)	4689.4	38.4			G2/5000
FVH (80°-90°)	41.1	0.3			G1/100
BL (0°-30°)	436.7	3.6	B1/500		
BM (30°-60°)	472.3	3.9	B1/1000		
BH (60°-80°)	182.9	1.5	B1/500		G1/500
BVH (80°-90°)	4.6	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-G2**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	2201.3	2201.3	2201.3	2201.3	2201.3	2201.3	2201.3	2201.3	2201.3	2201.3	2201.3
2.5°	2049.3	2045.9	2048.2	2064.9	2096.2	2110.8	2135.4	2139.8	2160.0	2185.7	2195.7
5°	1916.2	1905.1	1910.7	1934.1	1969.9	2010.2	2056.0	2068.3	2118.6	2175.6	2218.1
7.5°	1794.4	1782.1	1795.5	1832.4	1882.7	1926.3	1994.5	2002.3	2082.8	2183.4	2260.6
10°	1603.2	1606.6	1633.4	1698.2	1775.4	1865.9	1957.6	1968.8	2068.3	2209.2	2328.8
12.5°	1456.7	1448.9	1478.0	1551.8	1660.2	1792.1	1929.7	1944.2	2069.4	2248.3	2416.0
15°	1388.6	1386.3	1398.6	1452.3	1557.4	1712.8	1903.9	1923.0	2083.9	2284.1	2498.7
17.5°	1390.8	1387.4	1386.3	1417.6	1495.9	1653.5	1876.0	1900.6	2096.2	2323.2	2585.9
20°	1488.1	1472.4	1444.5	1429.9	1476.9	1615.5	1857.0	1884.9	2114.1	2364.6	2678.7
22.5°	1691.5	1697.1	1622.2	1544.0	1521.6	1620.0	1854.8	1887.2	2153.3	2429.4	2792.8
25°	2098.5	2089.5	1950.9	1775.4	1653.5	1671.4	1893.9	1933.0	2230.4	2522.2	2900.1
27.5°	2608.3	2616.1	2426.1	2146.6	1891.6	1777.6	1965.4	2004.6	2319.8	2580.3	2971.6
30°	3163.9	3156.1	2952.6	2642.9	2229.3	1954.3	2037.0	2071.6	2364.6	2611.6	3045.4
32.5°	3689.4	3671.5	3470.3	3146.0	2659.7	2232.6	2135.4	2155.5	2423.8	2679.8	3144.9
35°	4137.7	4136.6	3961.1	3615.6	3102.4	2581.5	2304.2	2321.0	2534.5	2788.3	3291.4
37.5°	4600.6	4584.9	4388.1	4072.9	3557.5	2963.8	2562.4	2555.7	2708.9	2948.2	3471.4
40°	4980.7	4970.6	4819.7	4516.7	4030.4	3386.4	2875.5	2855.4	2915.7	3169.5	3721.8
42.5°	5262.4	5263.5	5216.6	5032.1	4531.2	3875.0	3269.0	3237.7	3236.6	3503.8	4052.7
45°	5475.9	5490.5	5560.9	5533.0	5122.7	4444.0	3773.2	3740.8	3686.0	3937.6	4431.7
47.5°	5575.4	5594.5	5806.9	5918.7	5640.3	5008.6	4373.6	4305.4	4198.1	4514.5	4855.5
50°	5565.4	5598.9	5895.2	6235.1	6109.8	5581.0	5027.6	4995.2	4819.7	5124.9	5274.7
52.5°	5337.3	5408.9	5900.8	6427.4	6471.0	6108.7	5704.0	5643.6	5558.7	5762.1	5668.2
55°	4717.9	4805.1	5664.9	6488.8	6752.7	6569.3	6365.9	6316.7	6175.8	6363.6	6011.5
57.5°	4381.4	4456.3	5168.5	6458.7	6991.9	6995.3	6955.1	6914.8	6798.5	6958.4	6413.9
60°	4179.1	4254.0	4903.5	6348.0	7208.8	7444.7	7508.5	7504.0	7336.3	7634.8	6885.7
62.5°	3882.8	3985.7	4627.4	6060.7	7363.1	7887.5	8079.8	8049.6	7862.9	8339.1	7353.1
65°	3284.7	3374.1	4061.7	5586.6	7272.6	8254.2	8699.1	8714.8	8499.0	9002.1	7722.0
67.5°	2303.1	2369.0	3052.1	4591.6	6657.7	8374.9	9333.0	9331.9	8964.1	9342.0	7558.8
70°	1334.9	1425.4	1803.3	2838.6	5179.7	7826.0	9428.1	9460.5	8775.1	8632.0	6255.2
72.5°	516.5	591.4	1021.8	1508.2	2701.1	5994.7	8109.9	8205.0	7344.1	6658.8	4353.5
75°	154.3	172.2	480.7	802.7	1084.5	2895.6	5490.5	5517.3	5037.7	4153.4	2231.5
77.5°	115.2	127.5	210.2	405.8	380.1	877.6	2840.8	3102.4	2674.2	1483.6	614.9
80°	78.3	92.8	149.8	197.9	140.9	233.7	798.2	876.5	816.1	333.2	154.3
82.5°	34.7	44.7	106.2	99.5	51.4	67.1	246.0	261.6	168.8	100.6	53.7
85°	3.4	4.5	40.2	43.6	19.0	15.7	51.4	51.4	36.9	34.7	22.4
87.5°	0.0	0.0	1.1	2.2	2.2	3.4	4.5	5.6	6.7	8.9	11.2
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°	2201.3	2201.3	2201.3	2201.3	2201.3	2201.3	2201.3	2201.3	2201.3	2201.3	2201.3
2.5°	2221.5	2208.0	2224.8	2238.2	2241.6	2217.0	2202.5	2181.2	2176.7	2177.9	2172.3
5°	2251.6	2244.9	2257.2	2242.7	2204.7	2133.1	2071.6	2003.4	1966.6	1945.3	1943.1
7.5°	2307.5	2304.2	2290.8	2224.8	2106.3	1947.5	1794.4	1644.6	1551.8	1518.2	1512.6
10°	2390.3	2383.6	2328.8	2172.3	1919.6	1614.4	1357.2	1142.6	1011.8	973.8	926.8
12.5°	2485.3	2471.9	2352.3	2059.3	1637.9	1215.3	894.4	654.0	541.1	507.6	507.6
15°	2577.0	2547.9	2338.8	1872.6	1291.3	790.4	499.7	377.9	343.2	334.3	334.3
17.5°	2670.9	2615.0	2286.3	1617.7	892.2	467.3	333.2	309.7	305.2	306.3	307.4
20°	2759.2	2672.0	2193.5	1311.4	569.1	326.5	298.5	292.9	290.7	292.9	291.8
22.5°	2855.4	2724.6	2052.6	977.1	370.1	294.0	284.0	279.5	277.3	280.6	280.6
25°	2950.4	2762.6	1865.9	657.4	294.0	273.9	268.3	263.8	261.6	262.7	262.7
27.5°	2999.6	2748.0	1621.1	419.2	263.8	253.8	248.2	242.6	239.3	238.1	239.3
30°	3033.1	2703.3	1321.5	298.5	239.3	227.0	221.4	216.9	207.9	202.4	204.6
32.5°	3085.7	2658.6	996.1	250.4	219.1	200.1	191.2	180.0	167.7	162.1	162.1
35°	3148.3	2597.1	698.7	225.8	197.9	177.8	161.0	142.0	127.5	123.0	123.0
37.5°	3231.0	2539.0	465.1	209.1	180.0	158.8	135.3	112.9	97.3	95.0	93.9
40°	3355.1	2489.8	327.6	196.8	164.3	138.6	110.7	87.2	76.0	72.7	72.7
42.5°	3516.1	2439.5	259.4	184.5	150.9	119.6	88.3	69.3	60.4	58.1	57.0
45°	3715.1	2380.2	225.8	173.3	137.5	99.5	70.4	58.1	51.4	49.2	49.2
47.5°	3930.9	2299.7	210.2	158.8	121.9	80.5	59.3	50.3	47.0	45.8	44.7
50°	4143.3	2191.3	196.8	145.3	104.0	66.0	51.4	45.8	43.6	42.5	42.5
52.5°	4328.9	2064.9	180.0	129.7	85.0	57.0	45.8	42.5	40.2	38.0	36.9
55°	4487.6	1927.4	158.8	111.8	69.3	50.3	42.5	39.1	36.9	34.7	33.5
57.5°	4692.2	1849.2	127.5	90.6	57.0	44.7	39.1	35.8	33.5	30.2	30.2
60°	4919.2	1792.1	95.0	71.6	49.2	41.4	35.8	32.4	30.2	26.8	26.8
62.5°	5101.4	1707.2	74.9	58.1	42.5	36.9	32.4	29.1	26.8	23.5	23.5
65°	5170.7	1531.7	61.5	45.8	34.7	32.4	29.1	26.8	23.5	20.1	20.1
67.5°	4857.7	1180.6	51.4	36.9	29.1	27.9	25.7	24.6	20.1	17.9	16.8
70°	3847.0	720.0	42.5	30.2	24.6	23.5	23.5	21.2	17.9	16.8	15.7
72.5°	2636.2	371.2	34.7	24.6	21.2	21.2	20.1	19.0	16.8	15.7	15.7
75°	1369.5	124.1	26.8	19.0	16.8	17.9	17.9	16.8	15.7	15.7	14.5
77.5°	392.4	55.9	20.1	14.5	13.4	13.4	14.5	14.5	14.5	13.4	13.4
80°	101.7	32.4	14.5	11.2	11.2	11.2	11.2	12.3	13.4	12.3	12.3
82.5°	41.4	17.9	10.1	8.9	8.9	8.9	8.9	10.1	11.2	11.2	11.2
85°	25.7	8.9	7.8	7.8	7.8	6.7	6.7	7.8	7.8	8.9	8.9
87.5°	15.7	6.7	6.7	6.7	6.7	5.6	5.6	5.6	5.6	5.6	5.6
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)