

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: P634405

Luminaire Tested: GWS-SA3B-760-U-SL3-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634405  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-34)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3B-760-U-SL3-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (48) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

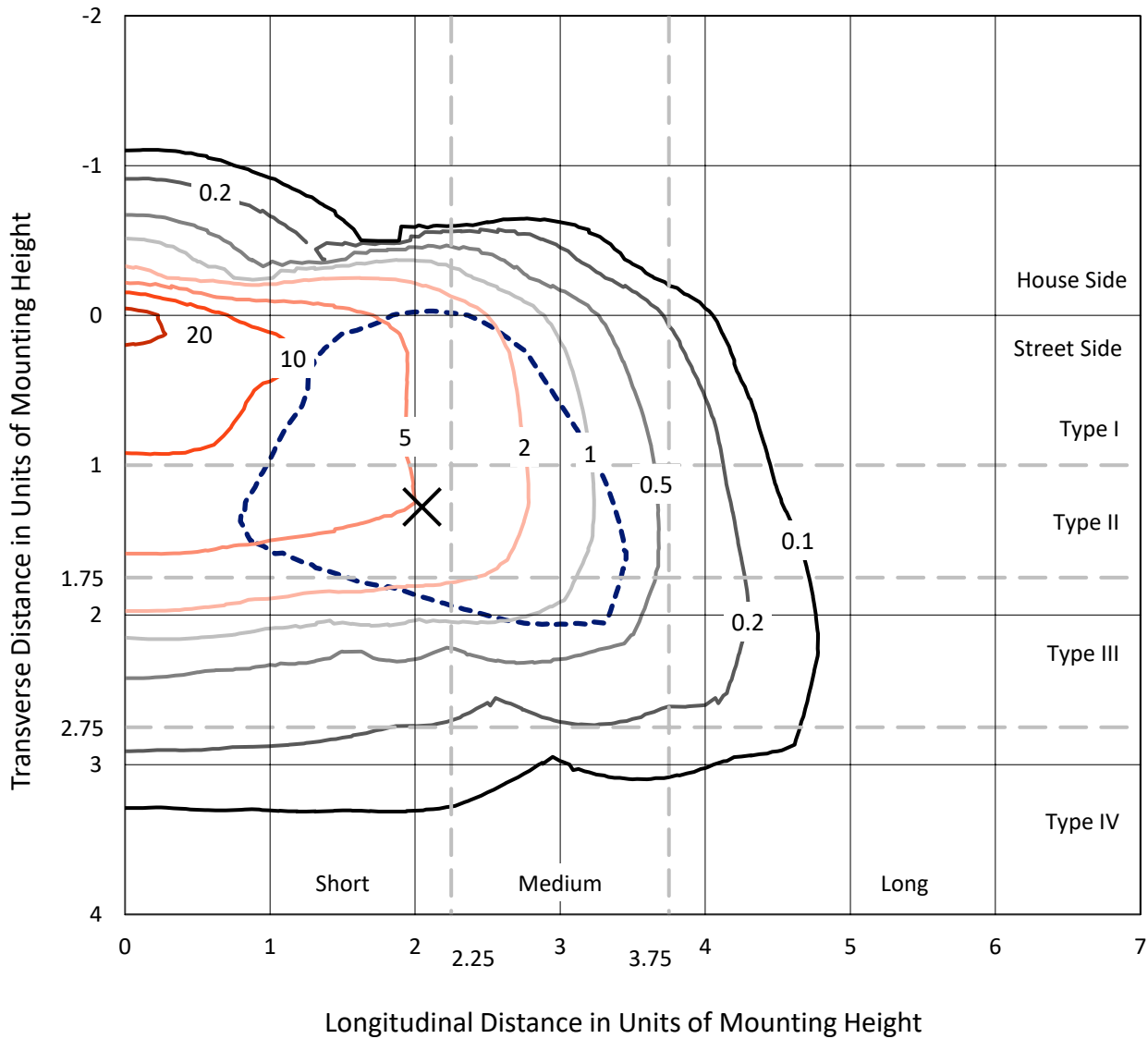
Lumens per Lamp: N/A  
Luminaire Lumens: 8499.3 lumens  
Efficiency: N/A  
Efficacy: 124.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

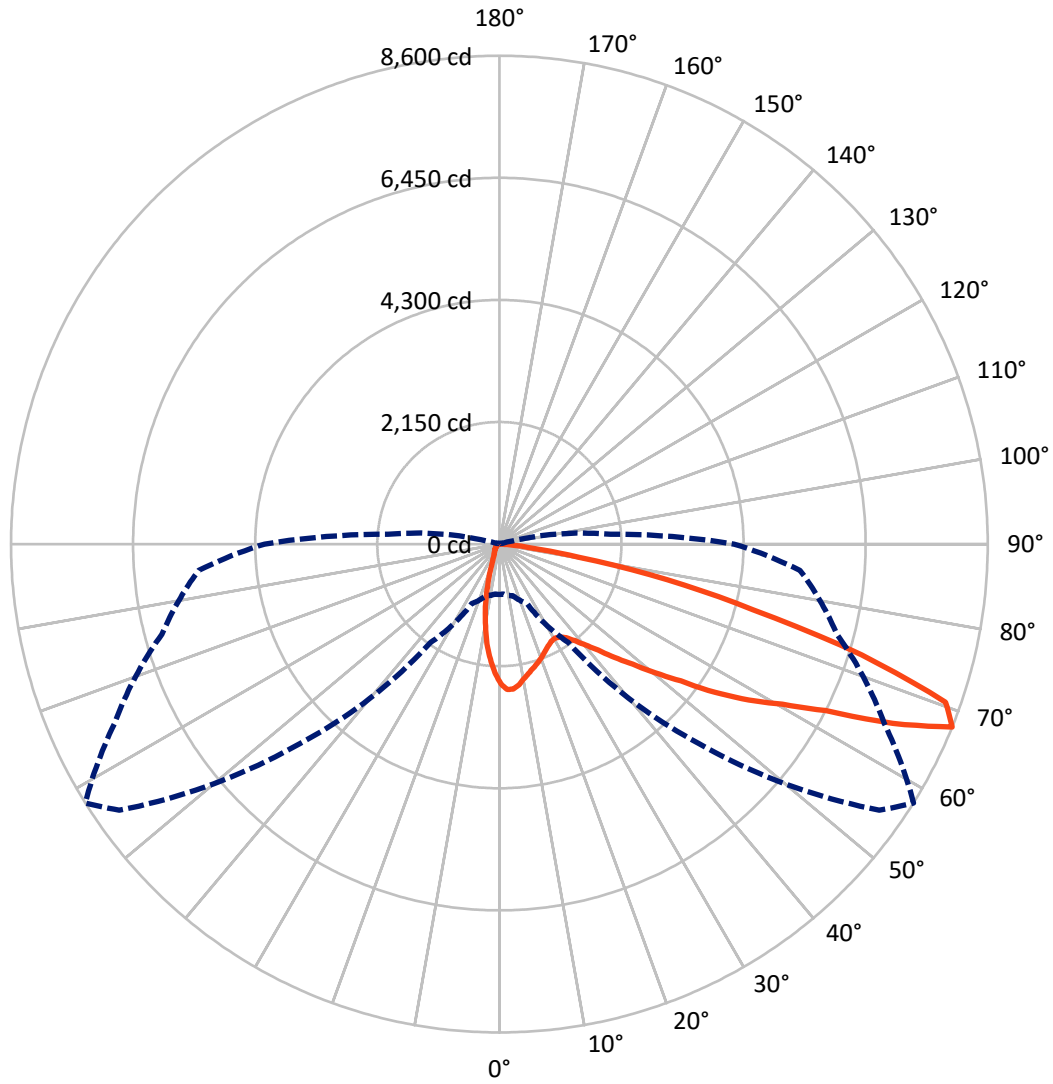
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 24.5 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	830.3	0.0	830.3
	% Fixture	9.8	0.0	9.8
<b>Street Side</b>	Lumens	7669.0	0.0	7669.0
	% Fixture	90.2	0.0	90.2
<b>Total</b>	Lumens	8499.3	0.0	8499.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	199.2	2.3
10°-20°	414.7	4.9
20°-30°	559.2	6.6
30°-40°	785.9	9.2
40°-50°	1213.7	14.3
50°-60°	1940.8	22.8
60°-70°	2298.1	27.0
70°-80°	1016.6	12.0
80°-90°	71.1	0.8
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°	8499.3	100.0
0°-180°	8499.3	100.0

**Coefficient of Utilization**

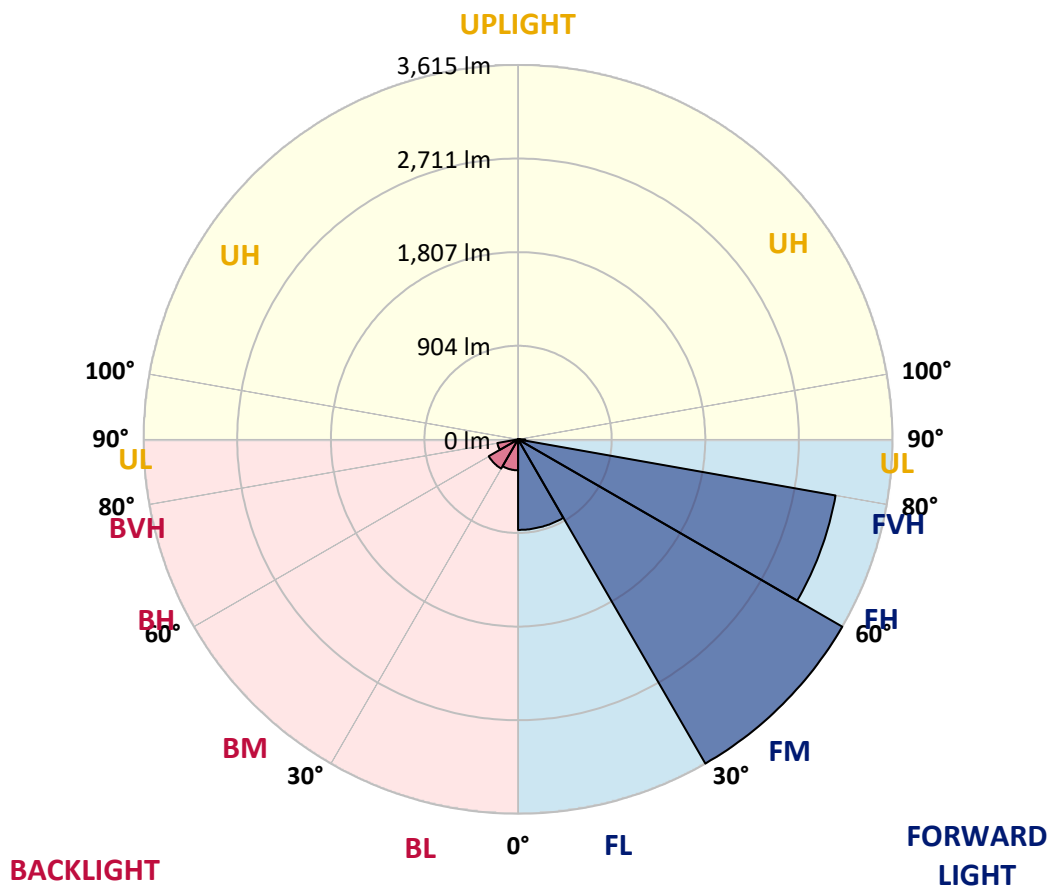


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	874.4	10.3			
FM (30°-60°)	3614.6	42.5			
FH (60°-80°)	3112.0	36.6			G2/5000
FVH (80°-90°)	68.0	0.8			G1/100
BL (0°-30°)	298.8	3.5	B1/500		
BM (30°-60°)	325.8	3.8	B1/1000		
BH (60°-80°)	202.7	2.4	B1/500		G1/500
BVH (80°-90°)	3.0	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-G2**  
 Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	2451.6	2451.6	2451.6	2451.6	2451.6	2451.6	2451.6	2451.6	2451.6	2451.6	2451.6
2.5°	2578.7	2583.2	2589.3	2596.8	2595.3	2588.5	2580.2	2561.4	2549.4	2511.8	2465.9
5°	2496.0	2495.2	2510.3	2524.6	2550.1	2563.7	2582.5	2565.2	2559.2	2514.0	2439.6
7.5°	2334.2	2342.5	2359.8	2382.4	2419.3	2459.1	2504.3	2499.0	2517.0	2487.0	2394.4
10°	2175.5	2171.0	2198.1	2231.9	2288.4	2339.5	2405.0	2404.2	2451.6	2448.6	2343.3
12.5°	2036.4	2035.6	2056.7	2095.0	2161.2	2232.7	2321.5	2323.7	2382.4	2406.5	2299.6
15°	1919.0	1920.5	1940.8	1980.7	2049.1	2136.4	2239.5	2258.3	2324.5	2373.4	2256.8
17.5°	1835.5	1836.3	1848.3	1882.9	1949.8	2043.1	2167.2	2192.8	2277.8	2348.5	2222.2
20°	1797.1	1794.1	1796.4	1813.7	1865.6	1950.6	2093.5	2126.6	2234.9	2331.2	2190.6
22.5°	1802.4	1797.9	1787.4	1785.1	1808.4	1873.1	2015.3	2055.9	2188.3	2320.7	2162.0
25°	1849.0	1839.3	1824.2	1801.6	1792.6	1825.0	1946.8	1989.0	2144.7	2321.5	2140.2
27.5°	1920.5	1910.0	1891.2	1861.1	1825.7	1812.2	1900.2	1940.1	2113.8	2338.8	2129.6
30°	2011.5	2003.3	1985.2	1949.1	1901.7	1846.0	1890.4	1923.5	2098.8	2374.1	2134.1
32.5°	2119.1	2113.1	2098.0	2064.9	2010.8	1925.8	1923.5	1949.1	2110.8	2425.3	2151.4
35°	2222.9	2225.2	2225.9	2207.9	2149.9	2046.9	2014.5	2023.6	2160.5	2502.0	2190.6
37.5°	2335.0	2329.7	2356.8	2369.6	2313.9	2204.1	2155.2	2156.0	2255.3	2615.6	2264.3
40°	2420.0	2421.5	2480.2	2532.8	2509.5	2403.5	2333.5	2332.7	2401.2	2771.3	2383.1
42.5°	2499.7	2509.5	2596.0	2686.3	2718.6	2624.6	2574.2	2555.4	2605.8	2981.9	2561.4
45°	2584.7	2599.0	2720.2	2848.8	2933.8	2878.1	2838.3	2845.8	2851.8	3227.2	2801.4
47.5°	2684.0	2693.1	2842.8	3024.1	3182.8	3168.5	3170.8	3161.7	3158.7	3536.3	3118.8
50°	2804.4	2825.5	2997.7	3214.4	3431.0	3525.8	3557.4	3561.2	3512.3	3873.4	3447.6
52.5°	3060.2	3085.7	3233.2	3422.8	3701.8	3901.2	4029.8	4004.3	3929.0	4199.8	3807.9
55°	3361.8	3381.4	3523.6	3719.9	4032.8	4312.7	4618.1	4607.6	4423.3	4543.6	4104.3
57.5°	3390.4	3412.2	3632.6	3933.5	4457.9	4821.2	5142.4	5176.3	4906.2	4787.3	4369.1
60°	3069.2	3113.6	3414.5	3819.2	4620.3	5505.0	5717.1	5723.9	5260.5	5034.8	4692.6
62.5°	2459.9	2480.9	2784.1	3312.2	4369.8	5903.7	6595.0	6452.1	5715.6	5417.7	5204.8
65°	1289.4	1375.1	1639.2	2223.7	3543.9	5764.5	7651.2	7612.1	6534.1	5966.1	5603.5
67.5°	884.7	883.9	946.3	1159.2	2113.1	4963.4	8169.5	8599.8	7480.4	6154.2	5314.7
70°	673.3	675.5	731.2	869.6	1094.5	3303.9	7600.8	8336.5	7656.4	5587.7	4298.4
72.5°	446.8	451.4	543.9	702.6	874.1	1619.6	5906.7	6670.2	6442.3	4487.9	3025.6
75°	267.1	270.8	337.0	510.8	777.1	906.5	3753.0	4611.3	4434.5	3093.3	1621.9
77.5°	109.8	112.8	173.0	318.2	568.7	704.1	2075.5	3017.3	2656.2	1229.9	443.1
80°	45.9	47.4	83.5	222.7	410.0	441.6	961.4	1418.0	1088.5	264.8	135.4
82.5°	16.5	17.3	30.8	122.6	255.0	332.5	485.2	560.4	306.9	86.5	73.0
85°	0.8	0.8	7.5	41.4	97.0	94.0	277.6	268.6	101.6	36.1	43.6
87.5°	0.0	0.0	0.8	0.8	1.5	3.8	26.3	46.6	21.8	9.0	18.8
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°	2451.6	2451.6	2451.6	2451.6	2451.6	2451.6	2451.6	2451.6	2451.6	2451.6	2451.6
2.5°	2435.8	2395.9	2352.3	2311.7	2247.0	2208.6	2161.2	2140.2	2110.1	2102.6	2107.1
5°	2386.2	2317.7	2213.1	2118.3	1995.7	1897.2	1797.9	1755.8	1701.6	1665.5	1650.4
7.5°	2316.2	2226.7	2063.4	1891.2	1722.7	1542.9	1406.0	1315.7	1233.7	1188.6	1179.5
10°	2245.5	2128.9	1894.9	1648.2	1387.2	1172.0	987.0	850.0	738.7	688.3	649.2
12.5°	2172.5	2027.3	1723.4	1401.4	1098.3	804.9	576.2	443.1	363.3	331.7	337.0
15°	2105.6	1929.5	1553.4	1154.7	773.3	486.0	318.2	268.6	249.7	243.7	243.0
17.5°	2041.6	1837.0	1384.1	914.7	510.0	297.9	243.7	231.7	226.4	223.4	223.4
20°	1983.7	1748.2	1218.7	689.1	329.5	236.2	220.4	214.4	209.9	207.6	207.6
22.5°	1929.5	1662.5	1056.9	487.5	243.0	212.1	202.4	196.3	191.1	188.1	188.1
25°	1880.6	1585.0	902.7	335.5	209.1	194.1	183.6	176.8	167.8	162.5	162.5
27.5°	1845.3	1515.8	754.5	244.5	188.8	174.5	162.5	153.5	143.7	137.7	136.2
30°	1824.2	1457.1	604.8	200.9	170.0	155.7	142.2	130.9	119.6	113.6	112.8
32.5°	1812.2	1403.0	467.9	175.3	154.2	137.7	122.6	110.6	99.3	92.5	91.8
35°	1816.7	1360.8	350.6	158.0	139.2	121.9	105.3	93.3	83.5	77.5	76.0
37.5°	1855.8	1342.0	263.3	144.4	126.4	108.3	91.0	79.7	70.7	66.2	65.4
40°	1931.8	1345.8	206.9	133.9	115.8	94.8	78.2	67.7	60.9	57.2	56.4
42.5°	2049.9	1377.4	170.8	124.9	104.6	82.7	67.7	59.4	52.7	48.9	48.1
45°	2225.9	1442.8	148.9	114.3	92.5	71.5	58.7	51.2	45.1	40.6	39.9
47.5°	2480.9	1556.4	134.7	104.6	82.0	61.7	50.4	42.9	37.6	33.9	33.1
50°	2752.5	1692.6	122.6	94.8	73.0	53.4	42.9	35.4	30.8	27.1	26.3
52.5°	3042.1	1839.3	113.6	85.8	64.7	45.9	36.1	29.3	24.8	21.1	20.3
55°	3320.5	1986.7	103.1	79.7	54.9	39.1	30.1	24.1	19.6	16.5	16.5
57.5°	3591.3	2122.1	91.8	70.0	45.1	33.1	24.8	19.6	15.8	13.5	12.8
60°	3914.7	2309.4	79.0	59.4	37.6	27.8	20.3	15.8	12.8	10.5	10.5
62.5°	4395.4	2504.3	67.7	49.6	31.6	23.3	16.5	12.8	10.5	9.0	8.3
65°	4552.6	2398.9	57.2	40.6	25.6	18.8	13.5	11.3	9.0	8.3	7.5
67.5°	4132.9	1966.4	47.4	33.1	21.1	15.8	12.0	9.8	8.3	7.5	6.8
70°	3224.9	1395.4	36.9	24.8	17.3	12.8	10.5	9.0	7.5	6.8	6.8
72.5°	2193.6	825.2	29.3	18.8	14.3	11.3	9.0	8.3	7.5	6.8	6.0
75°	1080.2	293.4	22.6	14.3	11.3	9.8	8.3	7.5	6.8	6.0	6.0
77.5°	291.1	81.2	17.3	11.3	9.0	7.5	7.5	7.5	6.8	5.3	5.3
80°	98.5	33.9	12.8	8.3	7.5	6.0	5.3	6.8	6.0	5.3	4.5
82.5°	54.2	16.5	9.0	6.8	5.3	4.5	4.5	4.5	4.5	3.8	3.8
85°	34.6	9.0	6.0	5.3	5.3	3.8	3.0	3.0	2.3	2.3	2.3
87.5°	15.8	5.3	5.3	4.5	4.5	3.8	2.3	1.5	0.8	0.8	0.8
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)