

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: P635022

Luminaire Tested: GWS-SA3C-830-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635022
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-830-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (48) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11061.1 lumens
Efficiency: N/A
Efficacy: 118.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B3 - U0 - G3

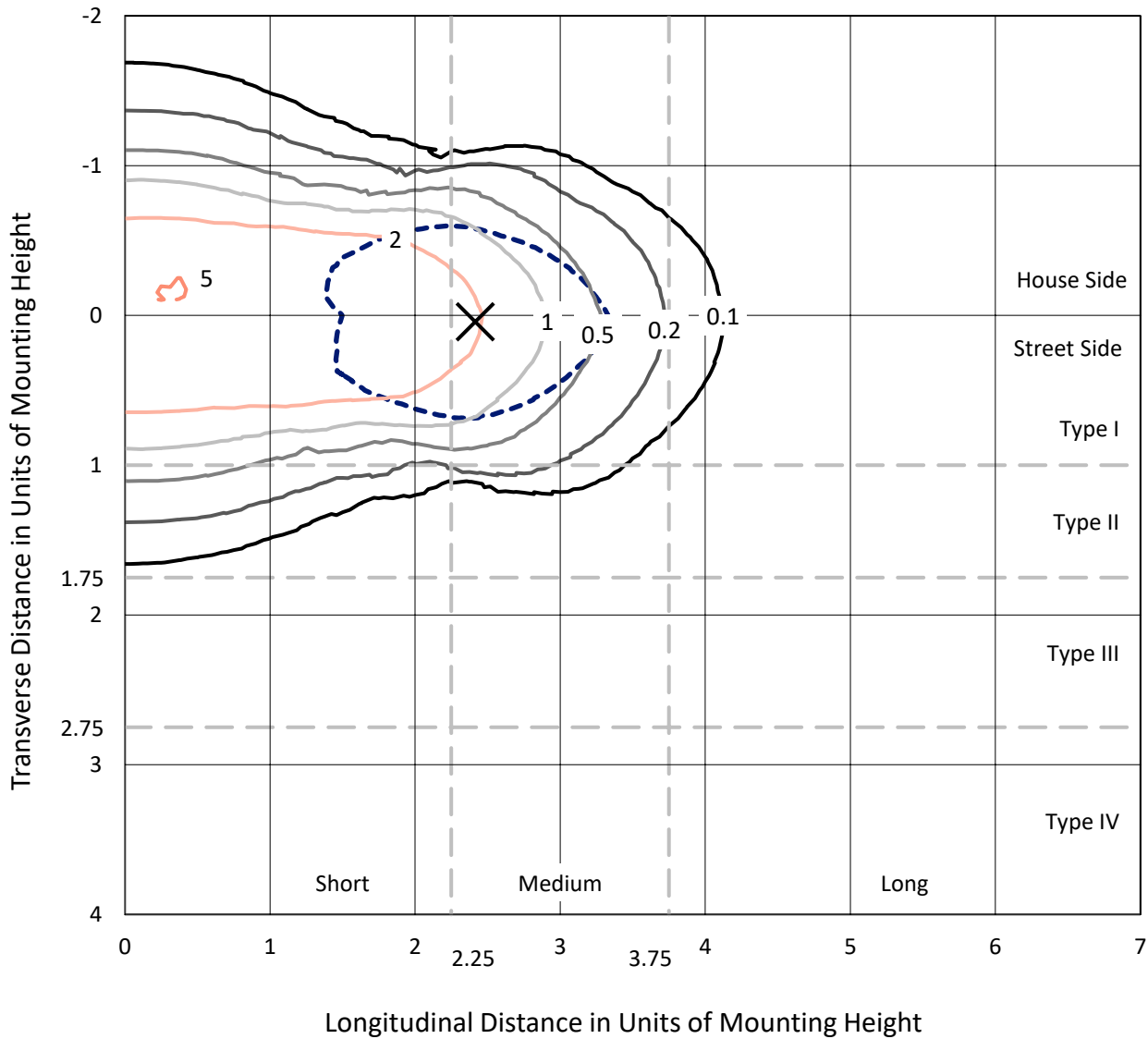
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

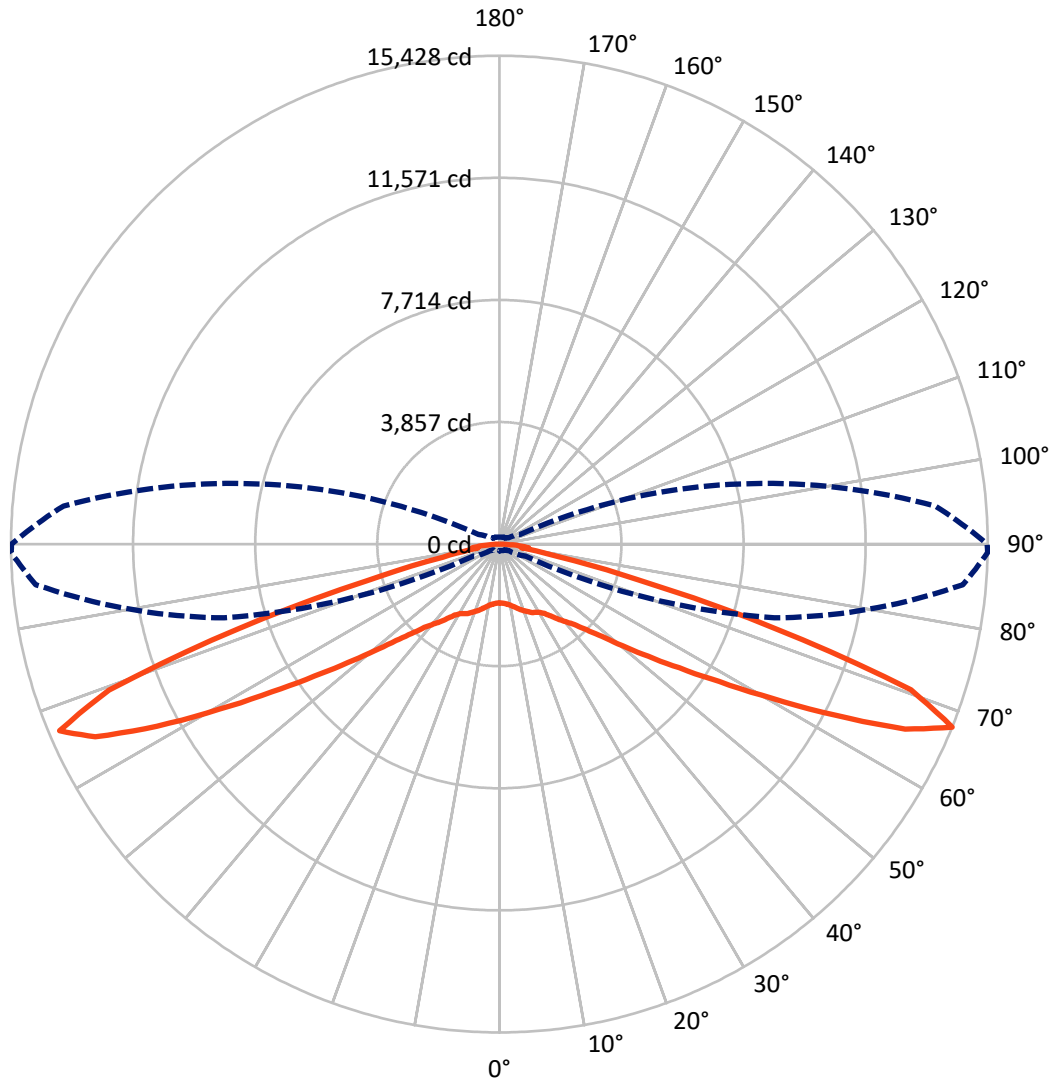
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.1 fc
 Type I - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5482.1	0.0	5482.1
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	5579.0	0.0	5579.0
	% Fixture	50.4	0.0	50.4
Total	Lumens	11061.1	0.0	11061.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.2	1.7
10°-20°	606.4	5.5
20°-30°	1025.0	9.3
30°-40°	1406.7	12.7
40°-50°	1793.9	16.2
50°-60°	2250.7	20.3
60°-70°	2714.6	24.5
70°-80°	982.0	8.9
80°-90°	95.5	0.9
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°	11061.1	100.0
0°-180°	11061.1	100.0

Coefficient of Utilization



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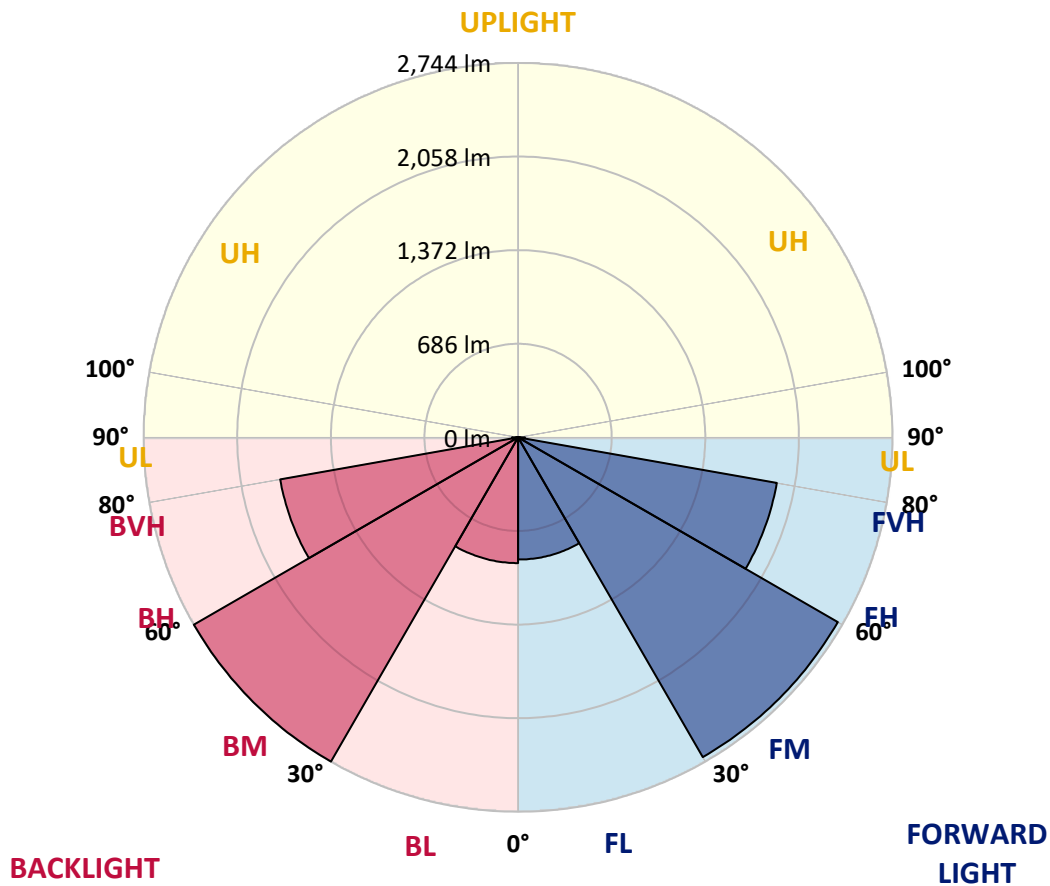
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	895.9	8.1			
FM (30°-60°)	2706.9	24.5			
FH (60°-80°)	1925.9	17.4			G2/5000
FVH (80°-90°)	50.4	0.5			G1/100
BL (0°-30°)	921.8	8.3	B2/1000		
BM (30°-60°)	2744.5	24.8	B3/5000		
BH (60°-80°)	1770.7	16.0	B3/2500		G3/2500
BVH (80°-90°)	45.1	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	1856.5	1856.5	1856.5	1856.5	1856.5	1856.5	1856.5	1856.5	1856.5	1856.5	1856.5
2.5°	1862.1	1860.5	1856.5	1868.4	1866.0	1866.8	1871.6	1868.4	1862.9	1853.3	1866.8
5°	1914.5	1913.7	1905.0	1912.1	1904.2	1898.6	1897.8	1889.9	1883.5	1873.2	1887.5
7.5°	1965.3	1964.6	1957.4	1970.1	1963.8	1957.4	1950.3	1934.4	1919.3	1904.2	1920.1
10°	2004.3	2003.5	2001.9	2020.2	2021.8	2024.1	2021.0	1993.9	1967.7	1949.5	1965.3
12.5°	2026.5	2028.9	2032.9	2066.2	2082.9	2098.8	2102.8	2080.5	2036.8	2010.6	2029.7
15°	2011.4	2016.2	2036.1	2096.4	2142.5	2178.2	2193.3	2175.1	2118.7	2075.0	2096.4
17.5°	1939.1	1943.1	1982.0	2074.2	2175.9	2258.5	2283.1	2272.0	2209.2	2156.0	2176.7
20°	1839.0	1847.8	1889.9	2018.6	2170.3	2314.1	2380.0	2376.1	2307.7	2225.9	2250.5
22.5°	1748.5	1758.8	1803.3	1945.5	2133.0	2328.4	2477.7	2488.1	2397.5	2295.8	2315.7
25°	1646.8	1656.3	1713.5	1858.9	2068.6	2317.3	2561.2	2608.0	2499.2	2376.1	2394.3
27.5°	1542.7	1549.9	1606.3	1761.2	1984.4	2296.6	2627.1	2739.9	2599.3	2431.7	2444.4
30°	1451.4	1460.9	1512.5	1663.5	1892.3	2255.3	2681.1	2880.5	2714.5	2494.4	2504.7
32.5°	1363.2	1371.1	1427.5	1567.4	1794.6	2191.8	2729.6	3045.7	2885.3	2611.2	2611.2
35°	1252.0	1266.3	1329.8	1475.2	1702.4	2107.5	2764.5	3238.0	3118.8	2783.6	2784.4
37.5°	1149.5	1157.4	1224.2	1371.1	1605.5	2012.2	2767.7	3437.4	3414.3	3002.8	3004.4
40°	1032.7	1043.0	1114.5	1259.9	1494.3	1912.1	2737.5	3623.3	3724.2	3228.4	3219.7
42.5°	914.4	929.4	997.8	1140.0	1374.3	1789.8	2657.3	3800.4	4117.4	3489.8	3468.4
45°	800.0	809.5	877.8	1012.1	1236.9	1643.6	2528.6	3970.4	4584.5	3887.0	3856.0
47.5°	671.3	675.2	745.9	874.6	1094.7	1480.8	2344.3	4122.1	5097.7	4412.9	4359.7
50°	556.9	562.4	618.0	728.5	920.7	1287.7	2114.7	4211.1	5751.5	5130.2	5038.1
52.5°	450.4	456.0	500.5	588.7	761.0	1067.7	1830.3	4190.5	6414.8	6020.8	5886.5
55°	363.8	367.8	398.0	467.1	599.0	849.2	1494.3	4005.4	7151.2	7183.8	6894.6
57.5°	307.4	309.0	329.7	371.8	467.9	654.6	1153.5	3568.5	7923.4	8667.7	8192.7
60°	274.9	275.7	285.2	311.4	369.4	499.7	845.2	2872.6	8723.3	10524.2	9872.8
62.5°	254.2	254.2	262.2	277.2	306.6	384.5	621.2	2063.1	9297.7	12544.4	11897.0
65°	234.3	234.3	239.9	252.6	268.5	313.8	466.3	1330.6	9579.7	14233.3	14089.5
67.5°	208.9	209.7	213.7	227.2	241.5	262.2	353.5	900.1	8994.2	14700.4	15428.1
70°	185.1	185.9	191.5	200.2	212.1	226.4	276.5	620.4	6546.7	12243.3	13794.8
72.5°	158.9	162.1	166.0	175.6	182.7	193.0	225.6	402.0	3809.2	7875.7	9118.9
75°	130.3	134.3	139.0	148.6	153.3	157.3	185.9	286.8	1832.7	3991.1	4544.8
77.5°	100.9	104.9	110.4	119.2	122.3	127.1	142.2	207.3	877.8	1769.1	1907.4
80°	67.5	69.1	73.9	84.2	89.8	92.9	104.9	141.4	381.3	710.2	703.8
82.5°	41.3	42.1	43.7	50.0	52.4	55.6	68.3	86.6	181.9	807.1	925.5
85°	15.1	14.3	13.5	17.5	20.7	23.8	31.8	43.7	79.4	554.5	620.4
87.5°	0.0	0.0	0.0	0.8	1.6	1.6	3.2	6.4	19.1	207.3	142.2
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°	1856.5	1856.5	1856.5	1856.5	1856.5	1856.5	1856.5	1856.5	1856.5	1856.5	1856.5
2.5°	1862.9	1854.1	1865.3	1873.2	1890.7	1897.0	1898.6	1893.1	1893.1	1883.5	1885.1
5°	1884.3	1878.8	1897.0	1910.5	1936.0	1945.5	1951.8	1947.9	1950.3	1943.9	1945.5
7.5°	1916.9	1912.1	1943.9	1970.1	1996.3	2007.5	2013.0	2009.8	2010.6	2002.7	2005.1
10°	1962.2	1963.8	2001.9	2036.1	2071.0	2082.1	2084.5	2075.0	2067.0	2052.7	2053.5
12.5°	2024.1	2032.1	2086.1	2124.2	2160.0	2175.9	2158.4	2123.4	2090.9	2066.2	2063.1
15°	2091.7	2106.0	2183.8	2232.3	2271.2	2263.3	2211.6	2133.0	2068.6	2032.1	2024.9
17.5°	2172.7	2194.1	2291.8	2349.8	2383.2	2332.4	2224.3	2106.8	2017.0	1967.7	1958.2
20°	2249.0	2283.1	2406.2	2481.7	2485.7	2371.3	2218.8	2053.5	1940.7	1880.3	1867.6
22.5°	2318.9	2362.6	2526.2	2622.3	2570.7	2388.8	2184.6	1978.1	1848.6	1777.9	1766.7
25°	2395.1	2457.1	2666.0	2755.8	2655.7	2381.6	2113.1	1884.3	1737.4	1665.1	1657.1
27.5°	2447.6	2525.4	2806.6	2892.4	2725.6	2341.1	2021.0	1781.8	1635.7	1567.4	1556.2
30°	2507.9	2607.2	2961.5	3041.0	2768.5	2281.5	1922.5	1686.5	1541.1	1467.3	1459.3
32.5°	2617.6	2742.3	3153.8	3198.3	2782.0	2207.6	1827.9	1594.4	1442.6	1368.8	1357.6
35°	2793.9	2940.1	3423.9	3373.8	2771.7	2126.6	1738.2	1486.3	1341.7	1272.6	1261.5
37.5°	3016.3	3198.3	3724.9	3531.9	2743.1	2037.6	1631.7	1395.8	1251.2	1181.3	1174.9
40°	3223.7	3447.7	4062.6	3668.5	2685.1	1928.0	1529.2	1301.2	1153.5	1079.6	1065.3
42.5°	3483.5	3781.4	4453.4	3786.9	2589.7	1796.9	1414.0	1184.5	1031.1	964.4	946.9
45°	3878.3	4248.5	4907.8	3900.5	2447.6	1635.7	1269.5	1042.3	896.9	828.6	815.1
47.5°	4370.8	4832.3	5400.3	3968.0	2231.5	1465.7	1105.8	892.1	746.7	669.7	663.3
50°	5062.7	5681.6	5928.6	3956.1	1990.0	1263.9	921.5	713.4	591.8	536.2	527.5
52.5°	5905.6	6747.6	6499.8	3813.1	1733.4	1034.3	718.1	560.1	469.5	429.8	422.6
55°	6962.9	8024.3	7101.2	3506.5	1409.3	792.0	564.0	441.7	379.7	355.9	352.7
57.5°	8272.1	9677.4	7680.3	2990.1	1059.7	604.5	434.5	364.6	335.2	320.9	320.1
60°	9999.9	11432.2	8183.1	2323.6	758.7	462.3	359.1	325.7	302.7	293.1	292.3
62.5°	12054.2	13025.8	8496.1	1582.4	570.4	368.6	316.2	295.5	282.0	276.5	275.7
65°	14165.8	14033.1	8346.8	1036.7	432.9	313.0	283.6	272.5	260.6	255.0	255.0
67.5°	15413.0	13820.2	7200.5	719.7	343.2	274.9	255.8	245.5	225.6	220.8	220.8
70°	13651.8	11198.7	4719.5	526.7	278.0	240.7	222.4	208.1	200.2	195.4	194.6
72.5°	9029.2	7287.0	2509.5	365.4	232.0	205.0	188.3	182.7	173.2	168.4	167.6
75°	4493.9	3827.4	1286.1	263.7	193.0	164.4	157.3	154.9	147.0	140.6	139.0
77.5°	1873.2	1704.0	599.8	191.5	147.0	132.7	126.3	126.3	117.6	110.4	107.2
80°	706.2	629.2	283.6	131.1	108.8	98.5	94.5	91.4	84.2	75.5	70.7
82.5°	944.5	617.3	139.0	81.8	71.5	63.6	58.0	55.6	51.6	47.7	44.5
85°	611.7	438.5	62.8	42.1	35.7	27.0	23.8	22.2	19.9	17.5	15.9
87.5°	124.7	147.0	19.1	7.9	4.8	2.4	2.4	0.8	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)