

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: P632932

Luminaire Tested: GWS-SA2D-760-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632932
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-SA2D-760-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11758.4 lumens
Efficiency: N/A
Efficacy: 143.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B3 - U0 - G3

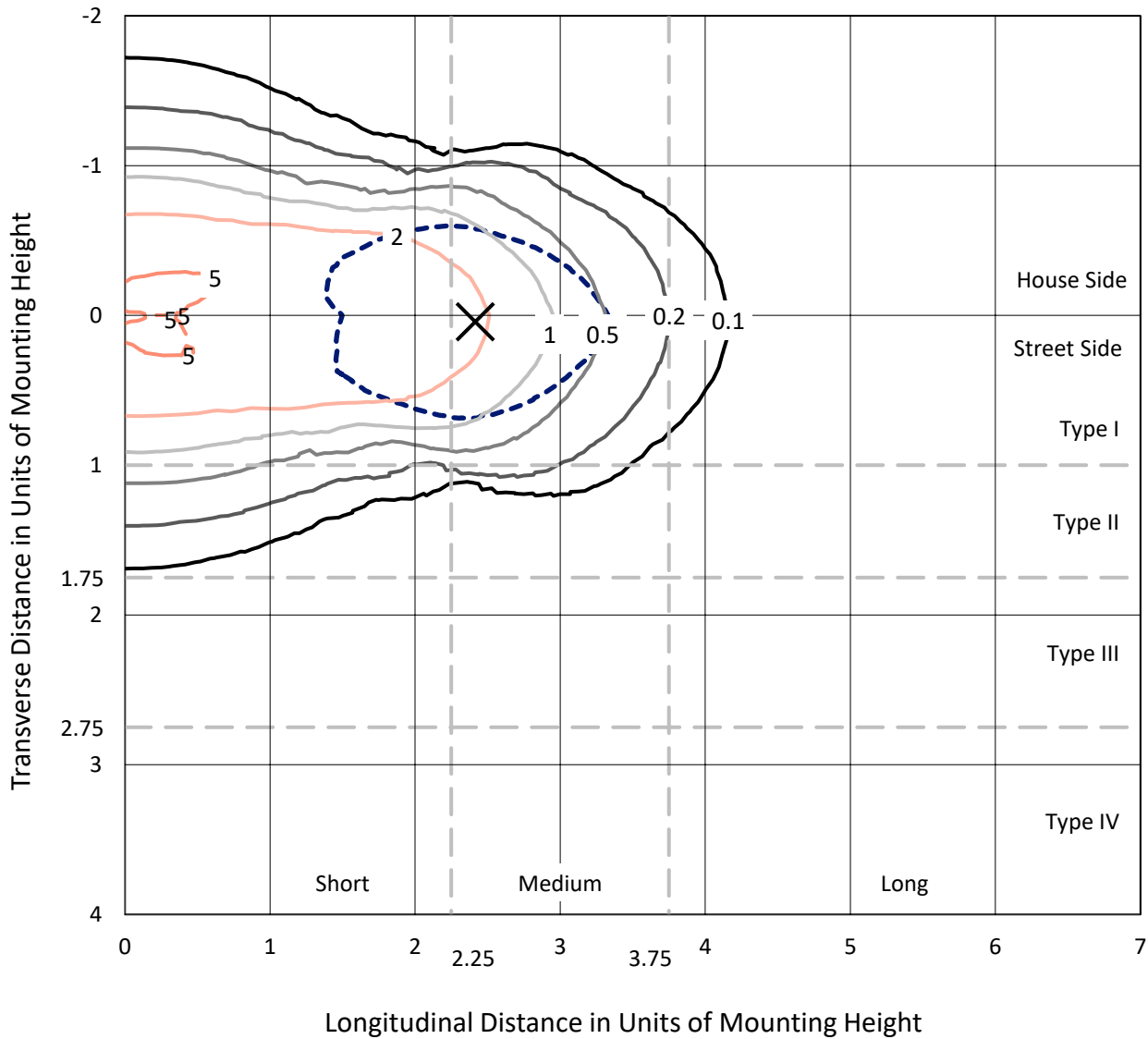
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

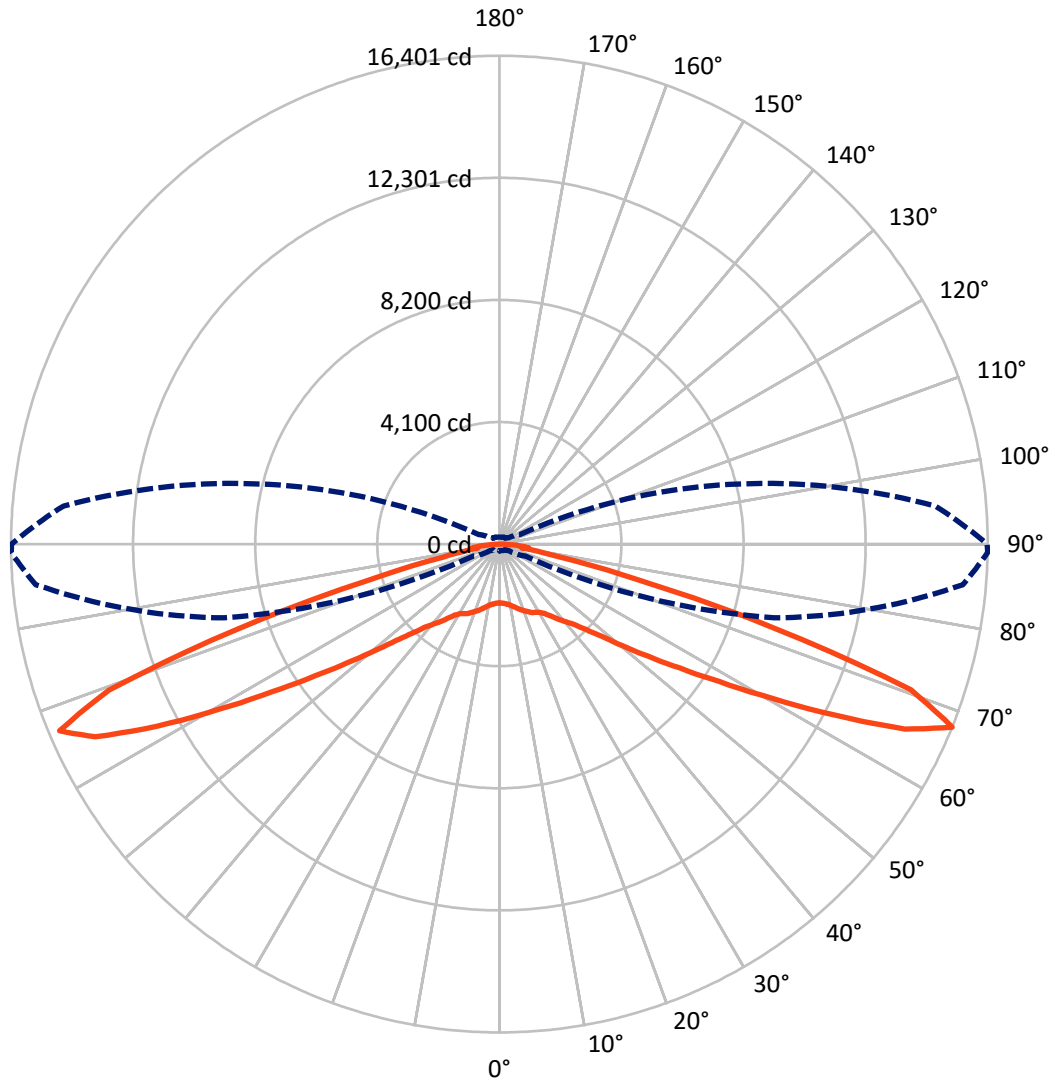
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.4 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	5827.7	0.0	5827.7
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	5930.7	0.0	5930.7
	% Fixture	50.4	0.0	50.4
Total	Lumens	11758.4	0.0	11758.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.0	1.7
10°-20°	644.6	5.5
20°-30°	1089.7	9.3
30°-40°	1495.4	12.7
40°-50°	1907.0	16.2
50°-60°	2392.6	20.3
60°-70°	2885.7	24.5
70°-80°	1044.0	8.9
80°-90°	101.5	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°	11758.4	100.0
0°-180°	11758.4	100.0

Coefficient of Utilization



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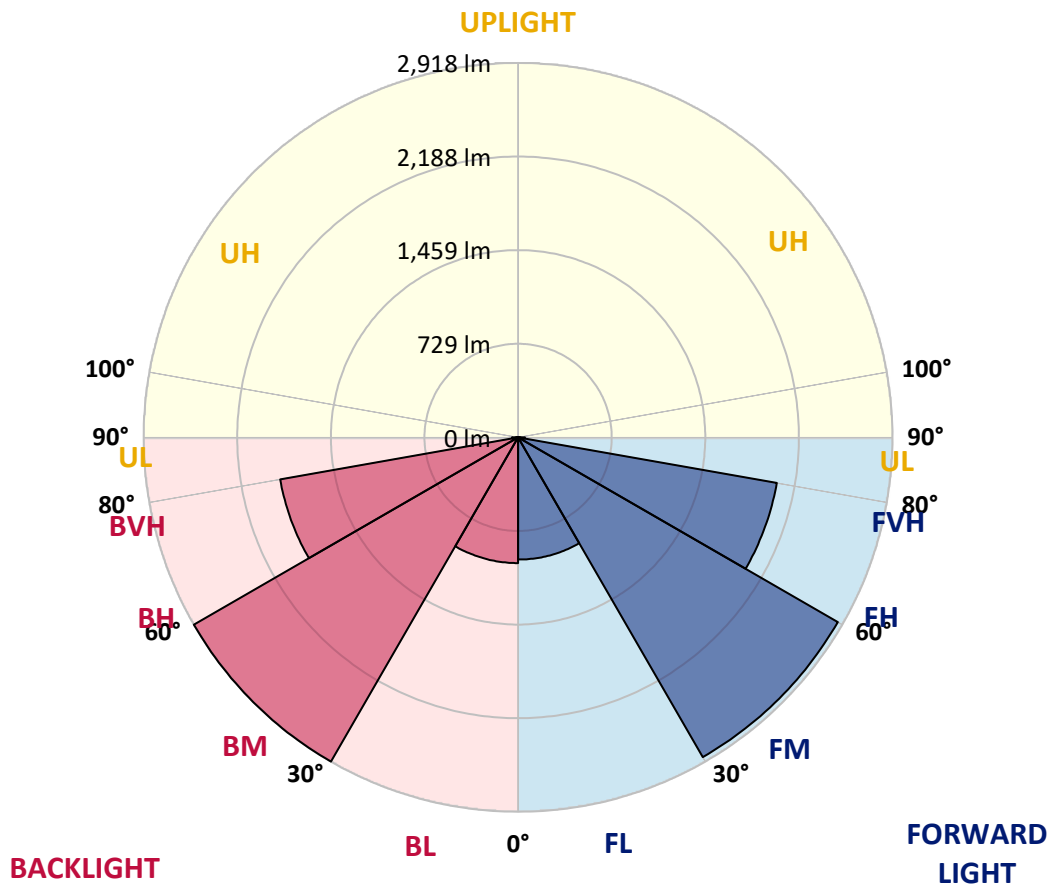
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	952.3	8.1			
FM (30°-60°)	2877.5	24.5			
FH (60°-80°)	2047.3	17.4			G2/5000
FVH (80°-90°)	53.6	0.5			G1/100
BL (0°-30°)	979.9	8.3	B2/1000		
BM (30°-60°)	2917.5	24.8	B3/5000		
BH (60°-80°)	1882.3	16.0	B3/2500		G3/2500
BVH (80°-90°)	48.0	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°	1973.6	1973.6	1973.6	1973.6	1973.6	1973.6	1973.6	1973.6	1973.6	1973.6	1973.6
2.5°	1979.5	1977.8	1973.6	1986.2	1983.7	1984.5	1989.6	1986.2	1980.3	1970.2	1984.5
5°	2035.2	2034.4	2025.1	2032.7	2024.2	2018.3	2017.5	2009.0	2002.3	1991.3	2006.5
7.5°	2089.2	2088.4	2080.8	2094.3	2087.6	2080.8	2073.2	2056.3	2040.3	2024.2	2041.1
10°	2130.6	2129.8	2128.1	2147.5	2149.2	2151.7	2148.4	2119.6	2091.8	2072.4	2089.2
12.5°	2154.3	2156.8	2161.0	2196.5	2214.2	2231.1	2235.3	2211.7	2165.2	2137.4	2157.6
15°	2138.2	2143.3	2164.4	2228.6	2277.6	2315.6	2331.6	2312.2	2252.2	2205.8	2228.6
17.5°	2061.4	2065.6	2107.0	2204.9	2313.0	2400.9	2427.0	2415.2	2348.5	2291.9	2313.9
20°	1955.0	1964.3	2009.0	2145.8	2307.1	2460.0	2530.1	2525.8	2453.2	2366.2	2392.4
22.5°	1858.7	1869.7	1917.0	2068.1	2267.4	2475.2	2633.9	2644.9	2548.6	2440.6	2461.7
25°	1750.6	1760.7	1821.5	1976.1	2199.0	2463.4	2722.6	2772.4	2656.7	2525.8	2545.3
27.5°	1640.0	1647.6	1707.5	1872.2	2109.5	2441.4	2792.7	2912.6	2763.1	2585.0	2598.5
30°	1542.9	1553.0	1607.9	1768.3	2011.6	2397.5	2850.1	3062.1	2885.6	2651.7	2662.6
32.5°	1449.1	1457.6	1517.5	1666.2	1907.7	2329.9	2901.6	3237.7	3067.2	2775.8	2775.8
35°	1330.9	1346.1	1413.7	1568.2	1809.7	2240.4	2938.8	3442.1	3315.4	2959.1	2959.9
37.5°	1222.0	1230.4	1301.3	1457.6	1706.7	2139.1	2942.2	3654.1	3629.6	3192.1	3193.8
40°	1097.8	1108.8	1184.8	1339.3	1588.5	2032.7	2910.1	3851.7	3958.9	3432.0	3422.7
42.5°	972.0	988.0	1060.7	1211.8	1461.0	1902.6	2824.8	4040.0	4376.9	3709.8	3687.0
45°	850.4	860.5	933.2	1075.9	1314.9	1747.2	2688.0	4220.7	4873.5	4132.0	4099.1
47.5°	713.6	717.8	793.0	929.8	1163.7	1574.1	2492.1	4382.0	5419.0	4691.1	4634.5
50°	592.0	597.9	657.0	774.4	978.8	1368.9	2248.0	4476.6	6114.0	5453.7	5355.7
52.5°	478.8	484.7	532.0	625.8	809.0	1135.0	1945.7	4454.6	6819.2	6400.3	6257.6
55°	386.8	391.0	423.1	496.6	636.7	902.8	1588.5	4257.9	7602.0	7636.6	7329.3
57.5°	326.8	328.5	350.5	395.2	497.4	695.9	1226.2	3793.4	8422.9	9214.1	8709.1
60°	292.2	293.0	303.2	331.0	392.7	531.2	898.5	3053.6	9273.2	11187.7	10495.2
62.5°	270.2	270.2	278.7	294.7	326.0	408.7	660.4	2193.1	9883.8	13335.2	12647.0
65°	249.1	249.1	255.0	268.5	285.4	333.6	495.7	1414.5	10183.6	15130.6	14977.7
67.5°	222.1	222.9	227.2	241.5	256.7	278.7	375.8	956.8	9561.2	15627.1	16400.7
70°	196.8	197.6	203.5	212.8	225.5	240.7	293.9	659.5	6959.4	13015.1	14664.4
72.5°	168.9	172.3	176.5	186.6	194.2	205.2	239.8	427.3	4049.3	8372.2	9693.8
75°	138.5	142.7	147.8	157.9	163.0	167.2	197.6	304.9	1948.2	4242.7	4831.3
77.5°	107.2	111.5	117.4	126.7	130.1	135.1	151.2	220.4	933.2	1880.7	2027.6
80°	71.8	73.5	78.5	89.5	95.4	98.8	111.5	150.3	405.4	755.0	748.2
82.5°	43.9	44.8	46.4	53.2	55.7	59.1	72.6	92.0	193.4	858.0	983.8
85°	16.0	15.2	14.4	18.6	22.0	25.3	33.8	46.4	84.4	589.4	659.5
87.5°	0.0	0.0	0.0	0.8	1.7	1.7	3.4	6.8	20.3	220.4	151.2
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°	1973.6	1973.6	1973.6	1973.6	1973.6	1973.6	1973.6	1973.6	1973.6	1973.6	1973.6
2.5°	1980.3	1971.0	1982.8	1991.3	2009.9	2016.6	2018.3	2012.4	2012.4	2002.3	2004.0
5°	2003.1	1997.2	2016.6	2031.0	2058.0	2068.1	2074.9	2070.7	2073.2	2066.4	2068.1
7.5°	2037.7	2032.7	2066.4	2094.3	2122.2	2134.0	2139.9	2136.5	2137.4	2128.9	2131.5
10°	2085.9	2087.6	2128.1	2164.4	2201.6	2213.4	2215.9	2205.8	2197.3	2182.1	2183.0
12.5°	2151.7	2160.2	2217.6	2258.1	2296.1	2313.0	2294.5	2257.3	2222.7	2196.5	2193.1
15°	2223.5	2238.7	2321.5	2373.0	2414.4	2405.9	2351.0	2267.4	2199.0	2160.2	2152.6
17.5°	2309.7	2332.5	2436.3	2498.0	2533.4	2479.4	2364.5	2239.6	2144.1	2091.8	2081.6
20°	2390.7	2427.0	2557.9	2638.2	2642.4	2520.8	2358.6	2183.0	2063.1	1998.9	1985.4
22.5°	2465.0	2511.5	2685.5	2787.6	2732.7	2539.4	2322.3	2102.8	1965.1	1889.9	1878.1
25°	2546.1	2612.0	2834.1	2929.5	2823.1	2531.8	2246.3	2003.1	1846.9	1770.0	1761.6
27.5°	2601.8	2684.6	2983.6	3074.8	2897.4	2488.7	2148.4	1894.2	1738.8	1666.2	1654.3
30°	2666.0	2771.6	3148.2	3232.7	2943.0	2425.4	2043.6	1792.8	1638.3	1559.8	1551.3
32.5°	2782.6	2915.1	3352.6	3399.9	2957.4	2346.8	1943.2	1694.9	1533.6	1455.0	1443.2
35°	2970.0	3125.4	3639.7	3586.5	2946.4	2260.7	1847.7	1580.0	1426.3	1352.9	1341.0
37.5°	3206.5	3399.9	3959.8	3754.6	2916.0	2166.1	1734.6	1483.8	1330.1	1255.7	1249.0
40°	3426.9	3665.0	4318.7	3899.8	2854.3	2049.6	1625.6	1383.3	1226.2	1147.7	1132.4
42.5°	3703.1	4019.7	4734.2	4025.6	2753.0	1910.2	1503.2	1259.1	1096.1	1025.2	1006.6
45°	4122.8	4516.3	5217.2	4146.4	2601.8	1738.8	1349.5	1108.0	953.4	880.8	866.4
47.5°	4646.3	5137.0	5740.8	4218.2	2372.1	1558.1	1175.5	948.4	793.8	711.9	705.1
50°	5381.9	6039.7	6302.4	4205.5	2115.4	1343.6	979.6	758.3	629.1	570.0	560.7
52.5°	6277.9	7173.0	6909.5	4053.5	1842.7	1099.5	763.4	595.4	499.1	456.9	449.3
55°	7401.9	8530.1	7548.8	3727.5	1498.1	841.9	599.6	469.5	403.7	378.3	374.9
57.5°	8793.6	10287.5	8164.4	3178.6	1126.5	642.7	461.9	387.6	356.4	341.2	340.3
60°	10630.3	12152.9	8699.0	2470.1	806.5	491.5	381.7	346.2	321.7	311.6	310.8
62.5°	12814.2	13847.0	9031.7	1682.2	606.3	391.8	336.1	314.1	299.8	293.9	293.0
65°	15058.8	14917.8	8873.0	1102.0	460.2	332.7	301.5	289.7	277.0	271.1	271.1
67.5°	16384.6	14691.4	7654.4	765.1	364.8	292.2	271.9	260.9	239.8	234.8	234.8
70°	14512.4	11904.7	5017.1	559.9	295.6	255.9	236.5	221.3	212.8	207.7	206.9
72.5°	9598.4	7746.4	2667.7	388.5	246.6	217.9	200.1	194.2	184.1	179.0	178.2
75°	4777.2	4068.7	1367.2	280.4	205.2	174.8	167.2	164.7	156.2	149.5	147.8
77.5°	1991.3	1811.4	637.6	203.5	156.2	141.0	134.3	134.3	125.0	117.4	114.0
80°	750.7	668.8	301.5	139.3	115.7	104.7	100.5	97.1	89.5	80.2	75.2
82.5°	1004.1	656.2	147.8	87.0	76.0	67.6	61.6	59.1	54.9	50.7	47.3
85°	650.3	466.2	66.7	44.8	38.0	28.7	25.3	23.6	21.1	18.6	16.9
87.5°	132.6	156.2	20.3	8.4	5.1	2.5	2.5	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)