

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: P634292

Luminaire Tested: GWS-SA3B-740-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634292
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-740-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10221.4 lumens
Efficiency: N/A
Efficacy: 149.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

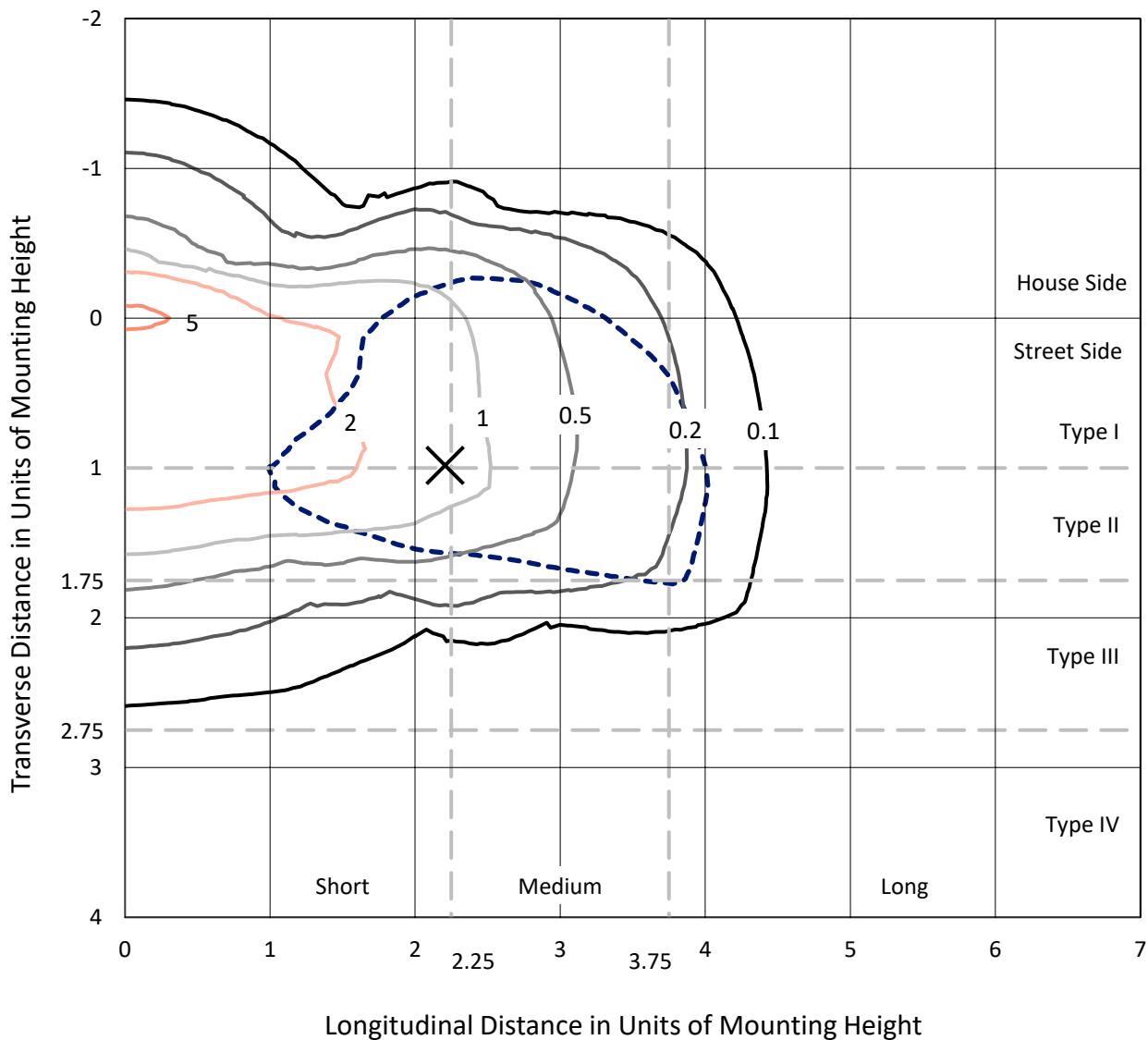
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

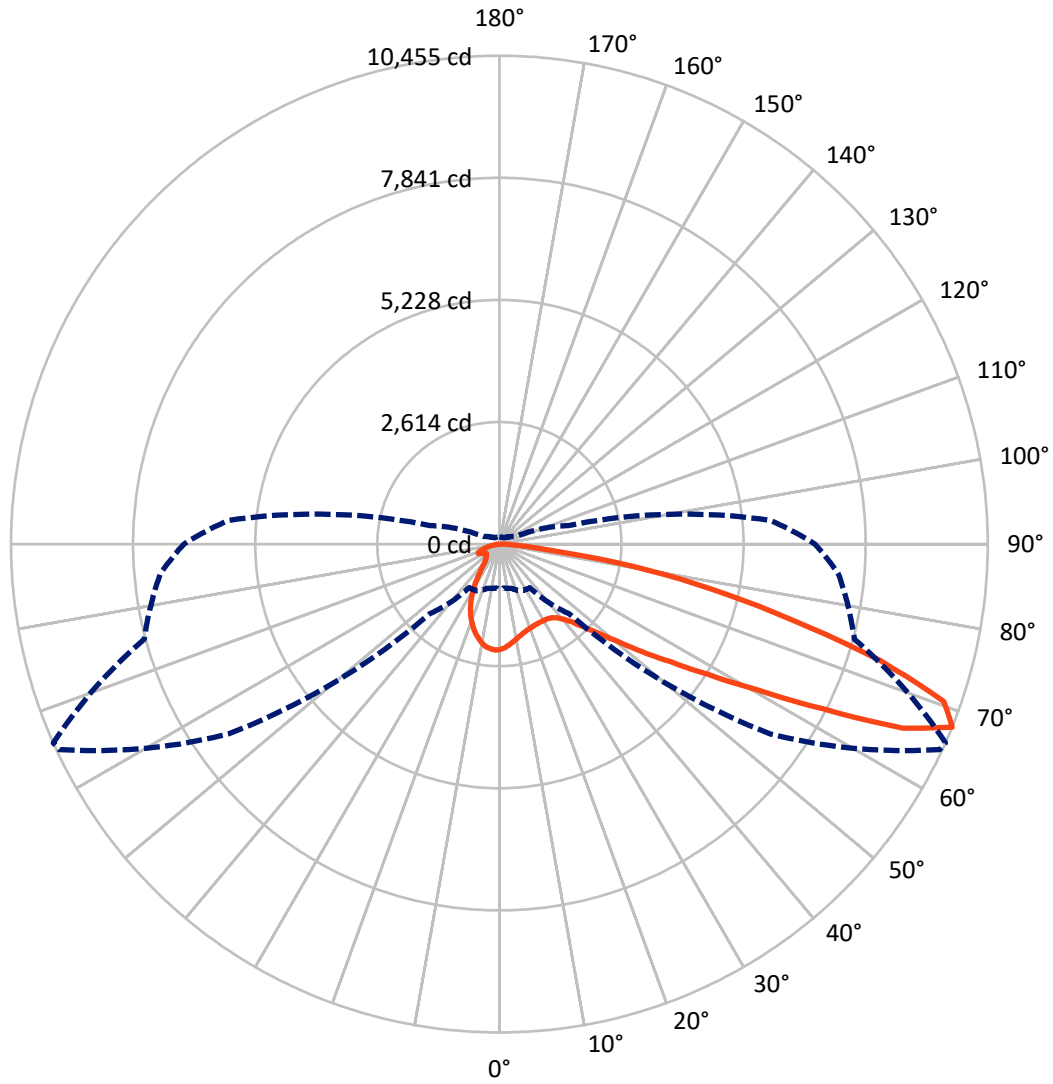
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2074.2	0.0	2074.2
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	8147.2	0.0	8147.2
	% Fixture	79.7	0.0	79.7
Total	Lumens	10221.4	0.0	10221.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.2	1.9
10°-20°	487.2	4.8
20°-30°	669.6	6.6
30°-40°	915.5	9.0
40°-50°	1387.2	13.6
50°-60°	2156.4	21.1
60°-70°	2625.4	25.7
70°-80°	1599.3	15.6
80°-90°	182.7	1.8
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°	10221.4	100.0
0°-180°	10221.4	100.0

Coefficient of Utilization



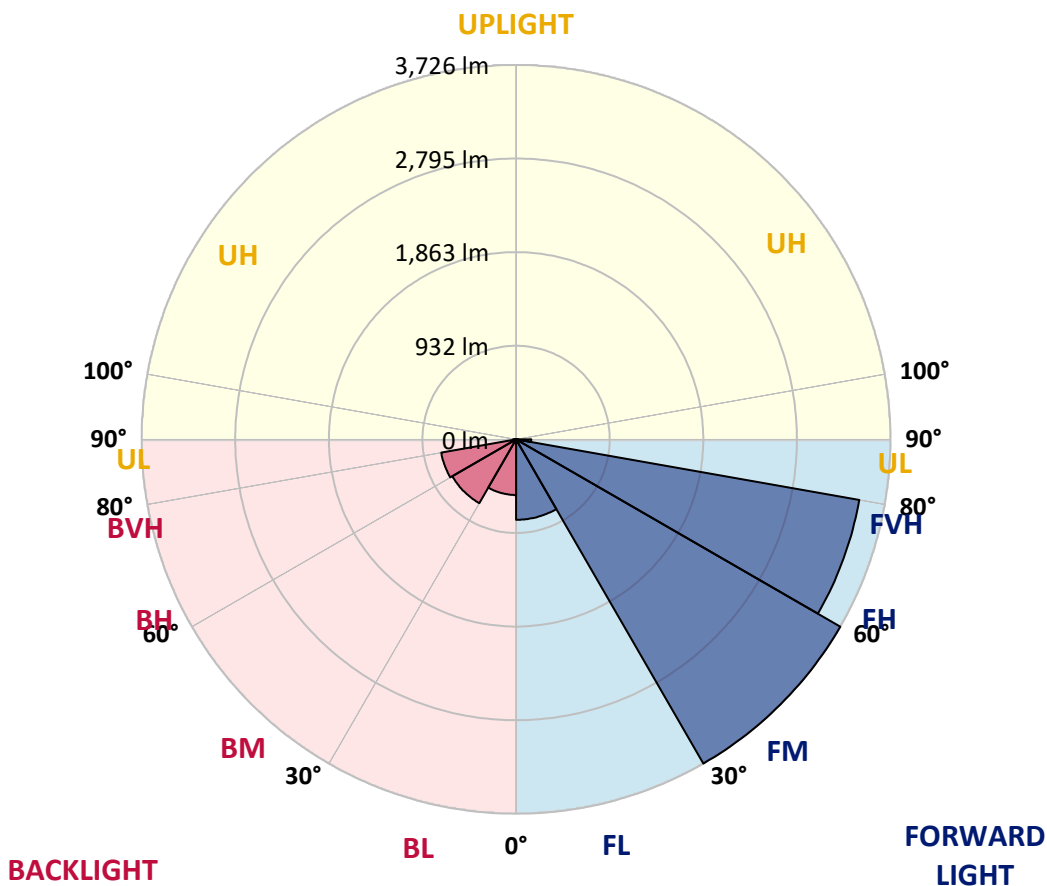
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	800.9	7.8			
FM (30°-60°)	3726.1	36.5			
FH (60°-80°)	3468.4	33.9			G2/5000
FVH (80°-90°)	151.9	1.5			G2/225
BL (0°-30°)	554.1	5.4	B2/1000		
BM (30°-60°)	733.0	7.2	B1/1000		
BH (60°-80°)	756.3	7.4	B2/1000		G2/1000
BVH (80°-90°)	30.8	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2258.6	2258.6	2258.6	2258.6	2258.6	2258.6	2258.6	2258.6	2258.6	2258.6	2258.6
2.5°	2115.5	2122.9	2118.5	2146.8	2148.3	2184.1	2204.2	2221.4	2222.8	2245.2	2260.1
5°	1970.8	1975.3	1975.3	2002.1	2020.0	2067.7	2114.0	2163.2	2166.9	2220.6	2261.6
7.5°	1853.7	1858.2	1855.2	1891.0	1914.1	1967.1	2026.0	2101.3	2108.8	2195.3	2266.8
10°	1762.0	1760.5	1768.0	1800.8	1830.6	1894.0	1959.6	2045.4	2056.6	2166.2	2272.8
12.5°	1699.4	1700.9	1705.4	1739.7	1771.7	1834.4	1902.2	1995.4	2007.3	2132.6	2269.8
15°	1669.6	1666.6	1670.3	1701.6	1732.2	1787.4	1857.5	1953.7	1965.6	2102.8	2270.6
17.5°	1662.8	1660.6	1659.9	1682.2	1705.4	1756.8	1823.9	1921.6	1934.3	2083.4	2275.0
20°	1683.7	1680.7	1672.5	1682.2	1691.9	1735.2	1800.1	1898.5	1912.6	2070.7	2284.0
22.5°	1741.1	1735.9	1723.2	1711.3	1698.6	1724.7	1785.1	1881.3	1895.5	2062.5	2292.9
25°	1828.4	1823.9	1810.5	1783.6	1737.4	1732.9	1782.2	1873.9	1888.0	2056.6	2296.7
27.5°	1948.4	1941.7	1928.3	1889.5	1814.2	1763.5	1793.3	1873.1	1886.5	2049.9	2292.9
30°	2090.9	2086.4	2078.9	2032.0	1931.3	1828.4	1818.7	1879.1	1889.5	2046.1	2285.5
32.5°	2235.5	2231.0	2237.0	2214.6	2090.9	1935.8	1873.9	1895.5	1903.0	2045.4	2278.8
35°	2363.0	2368.3	2411.5	2415.2	2293.7	2081.2	1961.1	1933.5	1935.0	2060.3	2281.8
37.5°	2496.5	2516.6	2573.3	2621.8	2520.4	2273.6	2090.9	2005.1	2003.6	2098.3	2300.4
40°	2673.2	2682.2	2754.5	2845.5	2782.1	2537.5	2275.0	2122.2	2111.7	2175.9	2350.4
42.5°	2845.5	2867.1	2982.7	3087.1	3066.2	2835.0	2506.9	2297.4	2278.8	2313.1	2453.3
45°	3064.7	3085.6	3215.3	3349.6	3387.6	3171.3	2803.7	2546.5	2527.8	2519.6	2641.9
47.5°	3283.9	3305.6	3421.9	3615.8	3749.2	3591.9	3190.0	2875.3	2844.7	2812.7	2926.8
50°	3431.6	3456.9	3568.0	3800.7	4113.9	4116.9	3647.8	3306.3	3267.5	3216.8	3327.9
52.5°	3426.4	3442.8	3548.7	3817.1	4376.3	4720.1	4260.8	3855.1	3823.8	3713.4	3810.4
55°	3157.2	3181.8	3288.4	3624.0	4404.7	5292.0	5161.5	4502.4	4446.4	4248.8	4355.5
57.5°	2616.6	2637.4	2744.8	3158.7	4153.4	5585.1	6305.4	5327.1	5250.3	4832.0	4955.0
60°	1975.3	1949.9	2000.6	2363.0	3552.4	5592.5	7315.0	6445.6	6317.3	5455.3	5558.2
62.5°	1482.4	1457.0	1468.2	1570.4	2408.5	5140.7	7890.7	7975.7	7763.9	6159.2	6139.1
65°	1171.5	1157.3	1189.3	1259.4	1404.1	3914.8	7895.2	9630.3	9496.9	6975.0	6734.9
67.5°	954.5	945.5	978.3	1108.1	1138.6	2103.5	7079.4	10402.9	10455.1	7868.3	7287.4
70°	768.8	755.4	806.8	977.6	1058.9	1272.9	5071.3	10009.1	10093.4	8400.7	7131.6
72.5°	530.9	531.7	557.8	791.9	1022.3	1099.1	2868.6	8334.4	8517.1	7918.3	6269.6
75°	357.9	360.9	368.4	522.7	941.8	1066.3	1528.6	6309.9	6438.9	6544.8	5182.4
77.5°	216.2	217.7	234.9	316.2	649.5	995.5	1035.7	4573.9	4675.4	4314.5	3212.4
80°	125.3	130.5	146.2	211.8	438.5	747.9	801.6	2804.5	2919.3	1917.9	1020.8
82.5°	55.2	58.9	79.8	123.0	255.8	636.1	625.6	1108.1	1091.7	534.6	354.2
85°	9.7	11.9	17.2	38.8	94.0	335.6	485.4	489.2	460.1	202.8	146.9
87.5°	0.0	0.0	0.0	0.0	0.0	2.2	73.1	131.2	130.5	57.4	50.7
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°	2258.6	2258.6	2258.6	2258.6	2258.6	2258.6	2258.6	2258.6	2258.6	2258.6	2258.6
2.5°	2269.8	2249.7	2267.6	2269.8	2266.1	2263.1	2240.7	2221.4	2219.1	2198.2	2198.2
5°	2278.0	2259.4	2268.3	2251.2	2224.3	2196.7	2149.0	2116.2	2101.3	2074.5	2074.5
7.5°	2289.2	2269.8	2259.4	2216.9	2154.2	2093.8	2017.0	1952.9	1926.8	1888.8	1887.3
10°	2299.7	2275.0	2239.3	2156.5	2056.6	1960.4	1848.5	1757.5	1695.7	1650.2	1650.2
12.5°	2298.9	2266.8	2196.0	2073.7	1935.8	1796.3	1647.2	1510.0	1428.0	1357.1	1352.6
15°	2297.4	2253.4	2140.8	1977.5	1794.8	1601.7	1398.9	1219.9	1098.4	1029.0	1023.1
17.5°	2295.9	2236.3	2078.9	1867.9	1623.3	1360.1	1092.4	898.5	797.1	754.6	756.1
20°	2295.9	2216.9	2012.6	1741.9	1425.7	1070.8	801.6	660.7	635.3	637.5	639.8
22.5°	2289.2	2193.0	1938.7	1604.7	1205.8	787.4	591.3	543.6	557.0	577.9	580.9
25°	2273.6	2153.5	1853.0	1452.6	944.0	573.4	482.4	473.5	498.1	524.2	531.7
27.5°	2248.9	2108.0	1756.8	1274.4	695.0	460.8	424.3	423.5	442.9	462.3	469.0
30°	2222.8	2057.3	1655.4	1076.0	503.3	401.2	387.0	387.0	396.7	408.6	407.1
32.5°	2192.3	2005.9	1546.5	869.5	410.1	367.6	363.1	360.9	362.4	366.9	366.9
35°	2166.2	1960.4	1434.7	651.0	367.6	349.0	344.5	339.3	337.0	334.1	335.6
37.5°	2156.5	1924.6	1319.1	490.7	346.7	335.6	328.1	320.6	315.4	313.9	313.2
40°	2172.1	1909.7	1203.5	404.2	331.8	321.4	313.2	303.5	299.0	299.0	299.0
42.5°	2233.3	1920.8	1085.7	365.4	321.4	309.5	297.5	288.6	287.1	288.6	289.3
45°	2345.1	1964.1	963.4	346.0	312.4	297.5	283.4	276.6	276.6	278.1	278.1
47.5°	2545.0	2077.4	842.6	334.1	303.5	287.8	272.9	266.2	265.5	267.0	267.0
50°	2891.0	2281.8	733.7	325.9	296.8	280.4	265.5	256.5	254.3	253.5	253.5
52.5°	3327.2	2635.9	664.4	319.9	288.6	272.2	257.3	245.3	240.9	238.6	238.6
55°	3854.4	3108.0	664.4	315.4	278.1	262.5	245.3	233.4	226.7	223.7	223.7
57.5°	4451.7	3657.5	779.2	311.7	269.9	251.3	232.6	220.7	213.3	208.8	208.8
60°	5059.4	4238.4	1063.3	306.5	262.5	237.1	218.5	207.3	197.6	192.4	191.6
62.5°	5689.5	4878.2	1437.7	309.5	257.3	223.7	203.6	190.9	182.7	177.5	176.7
65°	6266.6	5487.4	1765.0	332.6	258.0	211.8	186.4	175.2	168.5	161.8	161.1
67.5°	6756.5	5823.7	1535.3	379.5	273.7	197.6	169.3	158.1	152.1	147.6	146.9
70°	6413.5	5310.7	870.9	408.6	295.3	182.7	149.9	142.4	136.5	133.5	132.7
72.5°	5484.4	4496.4	582.4	360.9	269.2	163.3	132.0	126.0	121.5	117.8	117.1
75°	4442.7	3565.8	445.2	296.0	209.5	132.7	113.3	108.9	104.4	100.7	99.9
77.5°	2628.5	2060.3	328.1	234.1	147.6	103.6	94.0	90.2	85.8	82.8	82.0
80°	838.9	715.8	208.0	161.1	97.7	79.8	72.3	69.3	64.9	61.1	60.4
82.5°	319.9	276.6	110.4	82.0	64.9	54.4	48.5	45.5	42.5	38.8	38.0
85°	141.7	132.7	61.1	44.0	35.0	26.8	23.9	22.4	18.6	15.7	14.9
87.5°	50.0	50.0	26.1	12.7	7.5	3.7	2.2	0.7	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)