

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: P632367

Luminaire Tested: GWS-SA2C-750-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632367
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-SA2C-750-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9303.5 lumens
Efficiency: N/A
Efficacy: 147.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

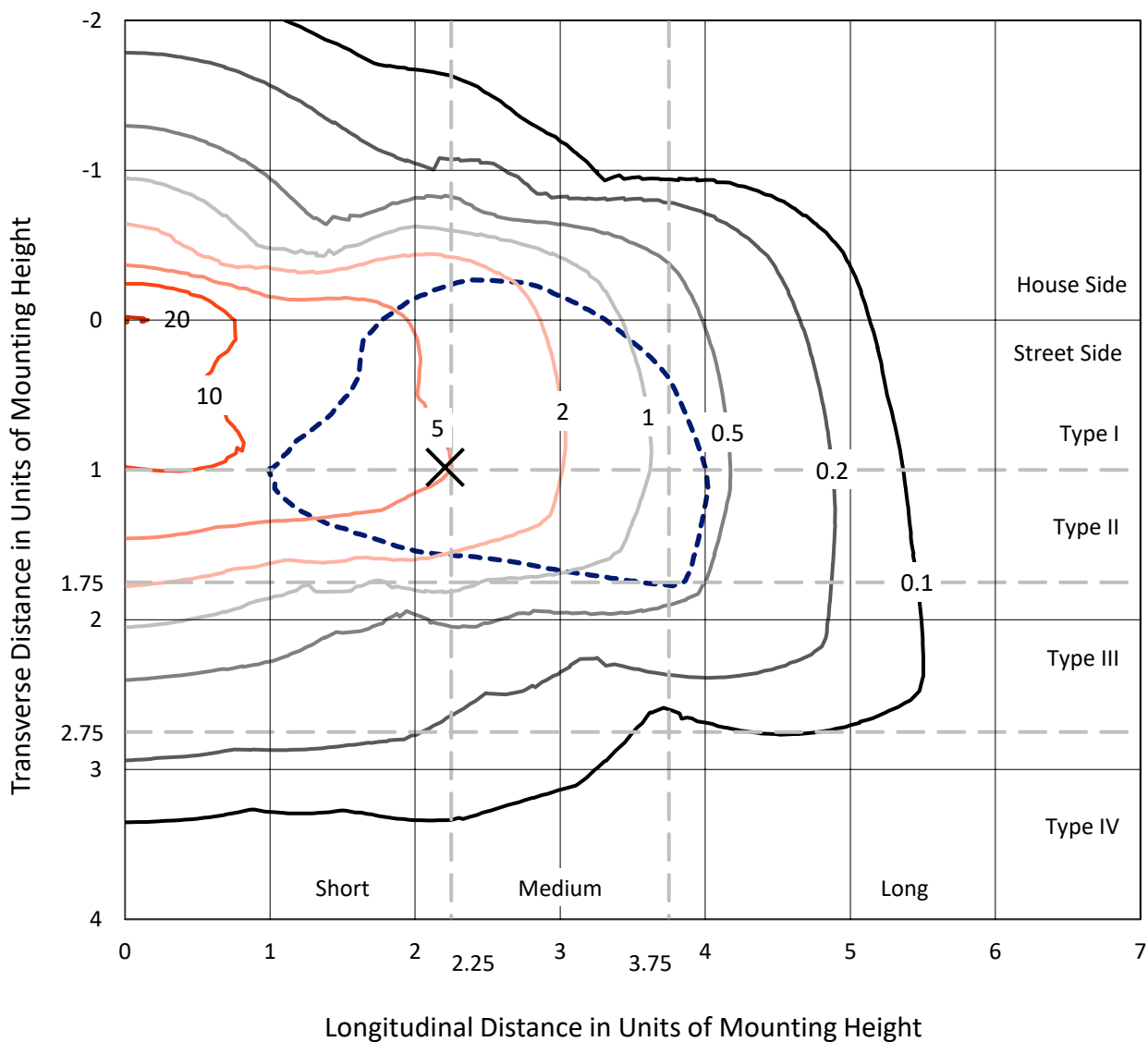
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

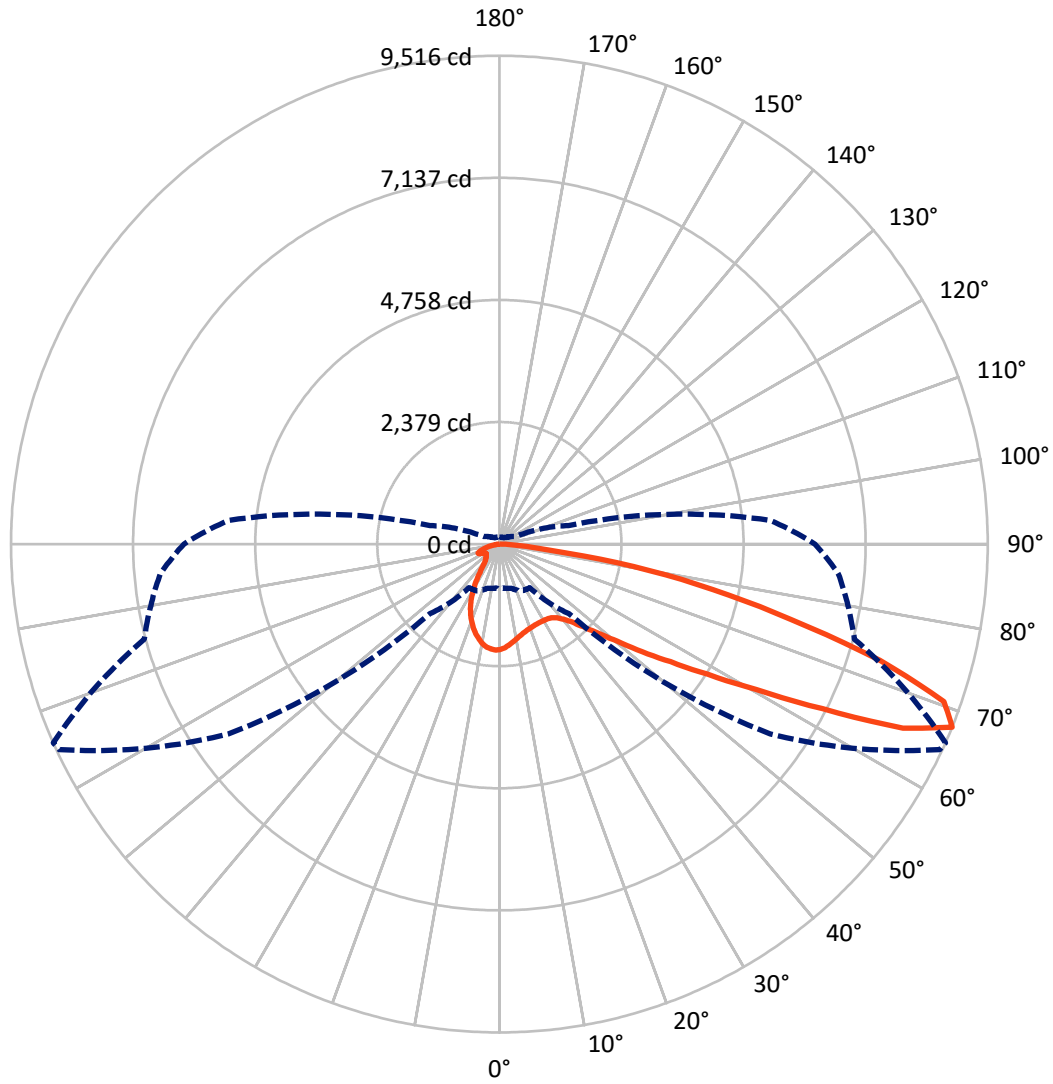
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20.6 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	1887.9	0.0	1887.9
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	7415.6	0.0	7415.6
	% Fixture	79.7	0.0	79.7
Total	Lumens	9303.5	0.0	9303.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.4	1.9
10°-20°	443.4	4.8
20°-30°	609.5	6.6
30°-40°	833.3	9.0
40°-50°	1262.6	13.6
50°-60°	1962.8	21.1
60°-70°	2389.6	25.7
70°-80°	1455.6	15.6
80°-90°	166.3	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°	9303.5	100.0
0°-180°	9303.5	100.0

Coefficient of Utilization



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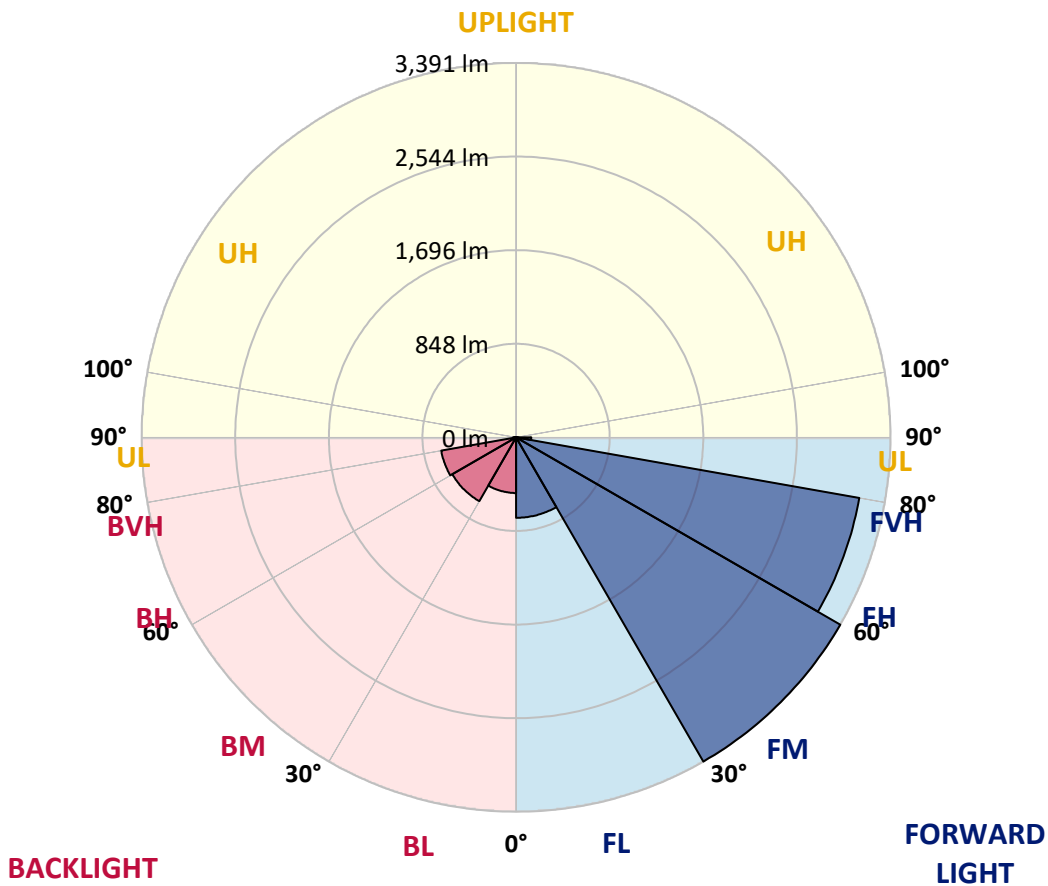
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	729.0	7.8			
FM (30°-60°)	3391.5	36.5			
FH (60°-80°)	3156.9	33.9			G2/5000
FVH (80°-90°)	138.2	1.5			G2/225
BL (0°-30°)	504.3	5.4	B2/1000		
BM (30°-60°)	667.2	7.2	B1/1000		
BH (60°-80°)	688.4	7.4	B2/1000		G2/1000
BVH (80°-90°)	28.0	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°	2055.8	2055.8	2055.8	2055.8	2055.8	2055.8	2055.8	2055.8	2055.8	2055.8	2055.8
2.5°	1925.5	1932.3	1928.2	1954.0	1955.4	1987.9	2006.3	2021.9	2023.2	2043.6	2057.2
5°	1793.8	1797.9	1797.9	1822.3	1838.6	1882.1	1924.1	1968.9	1972.3	2021.2	2058.5
7.5°	1687.3	1691.3	1688.6	1721.2	1742.2	1790.4	1844.1	1912.6	1919.4	1998.1	2063.3
10°	1603.8	1602.4	1609.2	1639.1	1666.2	1723.9	1783.6	1861.7	1871.9	1971.6	2068.7
12.5°	1546.8	1548.1	1552.2	1583.4	1612.6	1669.6	1731.4	1816.2	1827.1	1941.1	2066.0
15°	1519.6	1516.9	1520.3	1548.8	1576.6	1626.9	1690.7	1778.2	1789.1	1914.0	2066.7
17.5°	1513.5	1511.5	1510.8	1531.2	1552.2	1599.0	1660.1	1749.0	1760.6	1896.3	2070.7
20°	1532.5	1529.8	1522.3	1531.2	1540.0	1579.4	1638.4	1728.0	1740.9	1884.8	2078.9
22.5°	1584.8	1580.0	1568.5	1557.6	1546.1	1569.9	1624.8	1712.4	1725.3	1877.3	2087.0
25°	1664.2	1660.1	1647.9	1623.5	1581.4	1577.3	1622.1	1705.6	1718.5	1871.9	2090.4
27.5°	1773.5	1767.4	1755.1	1719.8	1651.3	1605.1	1632.3	1704.9	1717.1	1865.8	2087.0
30°	1903.1	1899.0	1892.2	1849.5	1757.9	1664.2	1655.4	1710.3	1719.8	1862.4	2080.2
32.5°	2034.8	2030.7	2036.1	2015.8	1903.1	1761.9	1705.6	1725.3	1732.1	1861.7	2074.1
35°	2150.8	2155.6	2194.9	2198.3	2087.7	1894.3	1785.0	1759.9	1761.2	1875.3	2076.8
37.5°	2272.3	2290.6	2342.2	2386.3	2294.0	2069.4	1903.1	1825.0	1823.7	1909.9	2093.8
40°	2433.2	2441.3	2507.2	2590.0	2532.3	2309.6	2070.7	1931.6	1922.1	1980.5	2139.3
42.5°	2590.0	2609.6	2714.8	2809.9	2790.9	2580.5	2281.8	2091.1	2074.1	2105.4	2233.0
45°	2789.5	2808.5	2926.6	3048.8	3083.4	2886.5	2551.9	2317.8	2300.8	2293.4	2404.7
47.5°	2989.0	3008.7	3114.6	3291.1	3412.5	3269.3	2903.5	2617.1	2589.3	2560.1	2663.9
50°	3123.4	3146.5	3247.6	3459.4	3744.4	3747.2	3320.2	3009.4	2974.1	2928.0	3029.1
52.5°	3118.7	3133.6	3230.0	3474.3	3983.3	4296.2	3878.1	3508.9	3480.4	3380.0	3468.2
55°	2873.7	2896.1	2993.1	3298.5	4009.1	4816.8	4698.0	4098.0	4047.1	3867.3	3964.3
57.5°	2381.6	2400.6	2498.3	2875.0	3780.4	5083.5	5739.2	4848.7	4778.8	4398.0	4510.0
60°	1797.9	1774.8	1821.0	2150.8	3233.4	5090.3	6658.1	5866.8	5750.0	4965.4	5059.1
62.5°	1349.3	1326.2	1336.4	1429.4	2192.2	4679.0	7182.1	7259.5	7066.7	5606.1	5587.8
65°	1066.3	1053.4	1082.5	1146.3	1278.0	3563.2	7186.2	8765.5	8644.0	6348.6	6130.1
67.5°	868.7	860.6	890.5	1008.6	1036.4	1914.6	6443.7	9468.7	9516.2	7161.7	6633.0
70°	699.7	687.5	734.4	889.8	963.8	1158.6	4615.9	9110.3	9187.0	7646.3	6491.2
72.5°	483.2	483.9	507.7	720.8	930.5	1000.4	2611.0	7585.9	7752.2	7207.2	5706.6
75°	325.8	328.5	335.3	475.8	857.2	970.6	1391.4	5743.2	5860.7	5957.0	4717.0
77.5°	196.8	198.2	213.8	287.8	591.2	906.1	942.7	4163.2	4255.5	3927.0	2923.9
80°	114.0	118.8	133.0	192.8	399.1	680.7	729.6	2552.6	2657.1	1745.6	929.2
82.5°	50.2	53.6	72.6	112.0	232.8	578.9	569.4	1008.6	993.6	486.6	322.4
85°	8.8	10.9	15.6	35.3	85.5	305.4	441.8	445.2	418.8	184.6	133.7
87.5°	0.0	0.0	0.0	0.0	0.0	2.0	66.5	119.5	118.8	52.3	46.2
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°	2055.8	2055.8	2055.8	2055.8	2055.8	2055.8	2055.8	2055.8	2055.8	2055.8	2055.8
2.5°	2066.0	2047.7	2064.0	2066.0	2062.6	2059.9	2039.5	2021.9	2019.8	2000.8	2000.8
5°	2073.5	2056.5	2064.6	2049.0	2024.6	1999.5	1956.0	1926.2	1912.6	1888.2	1888.2
7.5°	2083.6	2066.0	2056.5	2017.8	1960.8	1905.8	1835.9	1777.5	1753.8	1719.2	1717.8
10°	2093.1	2070.7	2038.2	1962.8	1871.9	1784.3	1682.5	1599.7	1543.4	1502.0	1502.0
12.5°	2092.5	2063.3	1998.8	1887.5	1761.9	1635.0	1499.3	1374.4	1299.7	1235.3	1231.2
15°	2091.1	2051.1	1948.6	1799.9	1633.7	1457.9	1273.3	1110.4	999.7	936.6	931.2
17.5°	2089.7	2035.4	1892.2	1700.2	1477.5	1238.0	994.3	817.8	725.5	686.9	688.2
20°	2089.7	2017.8	1831.8	1585.5	1297.7	974.6	729.6	601.3	578.3	580.3	582.3
22.5°	2083.6	1996.1	1764.6	1460.6	1097.5	716.7	538.2	494.8	507.0	526.0	528.7
25°	2069.4	1960.1	1686.6	1322.1	859.2	521.9	439.1	431.0	453.4	477.1	483.9
27.5°	2047.0	1918.7	1599.0	1159.9	632.6	419.4	386.2	385.5	403.2	420.8	426.9
30°	2023.2	1872.6	1506.7	979.4	458.1	365.1	352.2	352.2	361.1	371.9	370.6
32.5°	1995.4	1825.7	1407.6	791.4	373.3	334.6	330.5	328.5	329.9	333.9	333.9
35°	1971.6	1784.3	1305.8	592.5	334.6	317.6	313.6	308.8	306.8	304.1	305.4
37.5°	1962.8	1751.7	1200.6	446.6	315.6	305.4	298.6	291.8	287.1	285.7	285.1
40°	1977.1	1738.2	1095.4	367.9	302.0	292.5	285.1	276.2	272.2	272.2	272.2
42.5°	2032.7	1748.4	988.2	332.6	292.5	281.7	270.8	262.7	261.3	262.7	263.3
45°	2134.5	1787.7	876.9	314.9	284.4	270.8	257.9	251.8	251.8	253.2	253.2
47.5°	2316.4	1890.9	766.9	304.1	276.2	262.0	248.4	242.3	241.6	243.0	243.0
50°	2631.4	2076.8	667.8	296.6	270.1	255.2	241.6	233.5	231.4	230.8	230.8
52.5°	3028.4	2399.2	604.7	291.2	262.7	247.7	234.2	223.3	219.2	217.2	217.2
55°	3508.2	2828.9	604.7	287.1	253.2	238.9	223.3	212.4	206.3	203.6	203.6
57.5°	4051.9	3329.1	709.3	283.7	245.7	228.7	211.8	200.9	194.1	190.0	190.0
60°	4605.0	3857.8	967.8	278.9	238.9	215.8	198.9	188.7	179.9	175.1	174.4
62.5°	5178.5	4440.1	1308.6	281.7	234.2	203.6	185.3	173.7	166.3	161.5	160.9
65°	5703.9	4994.6	1606.5	302.7	234.8	192.8	169.7	159.5	153.4	147.3	146.6
67.5°	6149.8	5300.7	1397.5	345.5	249.1	179.9	154.1	143.9	138.5	134.4	133.7
70°	5837.6	4833.8	792.7	371.9	268.8	166.3	136.4	129.6	124.2	121.5	120.8
72.5°	4991.9	4092.6	530.1	328.5	245.0	148.6	120.1	114.7	110.6	107.2	106.6
75°	4043.7	3245.6	405.2	269.4	190.7	120.8	103.2	99.1	95.0	91.6	90.9
77.5°	2392.4	1875.3	298.6	213.1	134.4	94.3	85.5	82.1	78.1	75.3	74.7
80°	763.5	651.6	189.4	146.6	88.9	72.6	65.8	63.1	59.0	55.7	55.0
82.5°	291.2	251.8	100.4	74.7	59.0	49.5	44.1	41.4	38.7	35.3	34.6
85°	129.0	120.8	55.7	40.0	31.9	24.4	21.7	20.4	17.0	14.3	13.6
87.5°	45.5	45.5	23.8	11.5	6.8	3.4	2.0	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)