

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: P631381

Luminaire Tested: GWS-SA1F-750-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631381
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-750-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8444.1 lumens
Efficiency: N/A
Efficacy: 125.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

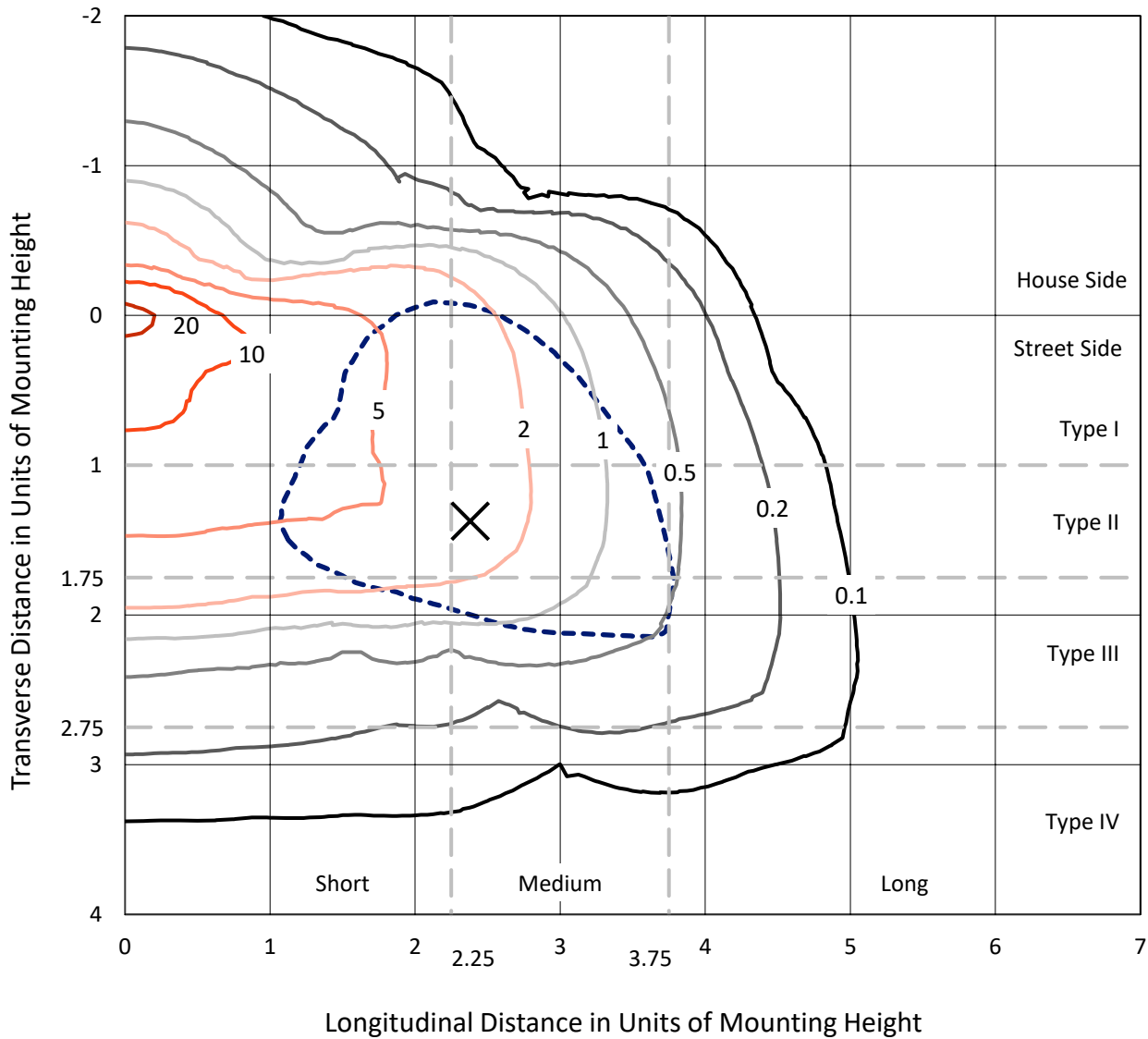
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

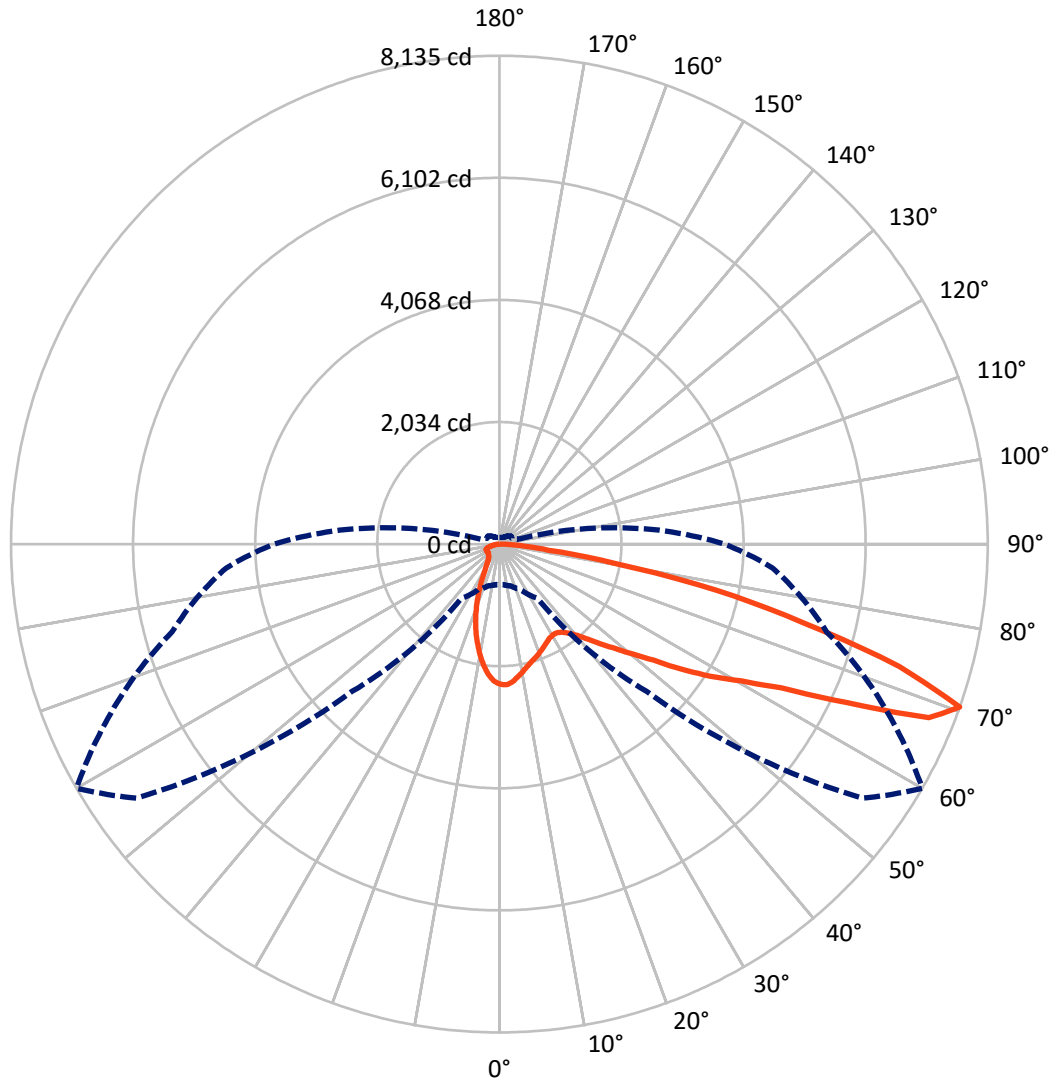
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 23.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1444.1	0.0	1444.1
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	7000.0	0.0	7000.0
	% Fixture	82.9	0.0	82.9
Total	Lumens	8444.1	0.0	8444.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.4	2.4
10°-20°	451.2	5.3
20°-30°	577.9	6.8
30°-40°	759.4	9.0
40°-50°	1101.8	13.0
50°-60°	1719.1	20.4
60°-70°	2250.6	26.7
70°-80°	1244.5	14.7
80°-90°	138.1	1.6
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°	8444.1	100.0
0°-180°	8444.1	100.0

Coefficient of Utilization



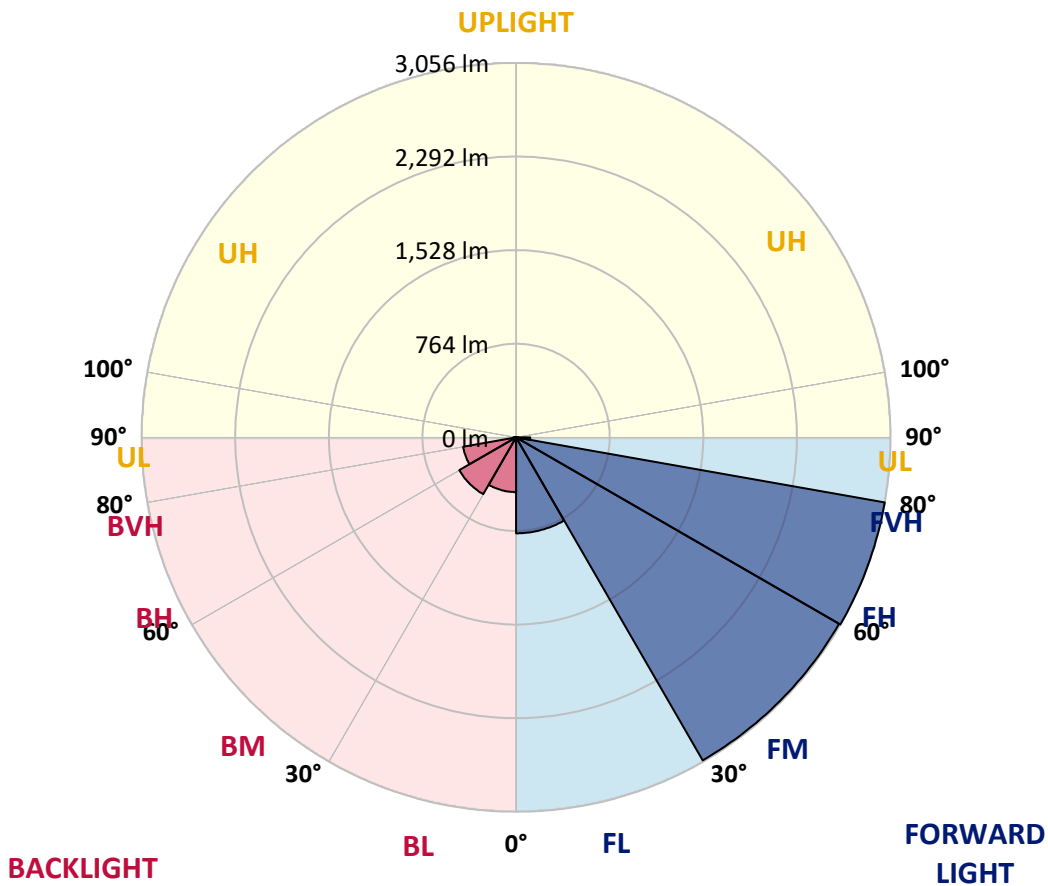
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	783.7	9.3			
FM (30°-60°)	3044.9	36.1			
FH (60°-80°)	3056.3	36.2			G2/5000
FVH (80°-90°)	115.1	1.4			G2/225
BL (0°-30°)	446.8	5.3	B1/500		
BM (30°-60°)	535.4	6.3	B1/1000		
BH (60°-80°)	438.9	5.2	B1/500		G1/500
BVH (80°-90°)	23.0	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2336.6	2336.6	2336.6	2336.6	2336.6	2336.6	2336.6	2336.6	2336.6	2336.6	2336.6
2.5°	2303.8	2306.3	2313.1	2323.0	2332.9	2337.8	2350.2	2346.5	2344.0	2339.1	2332.9
5°	2201.9	2206.8	2213.0	2232.2	2253.8	2271.1	2298.9	2302.0	2303.2	2305.7	2295.8
7.5°	2072.2	2073.4	2088.2	2113.6	2142.0	2171.6	2218.0	2230.9	2242.1	2254.4	2246.4
10°	1928.8	1931.9	1943.0	1979.5	2028.3	2072.2	2134.6	2156.2	2179.7	2206.8	2195.7
12.5°	1811.4	1812.1	1830.0	1868.9	1922.0	1981.3	2059.2	2085.1	2116.0	2158.7	2148.8
15°	1718.2	1718.2	1734.8	1768.2	1829.4	1899.2	1991.8	2025.2	2067.2	2124.7	2107.4
17.5°	1644.0	1644.6	1655.1	1690.4	1744.7	1821.9	1931.9	1977.0	2023.4	2099.3	2073.4
20°	1605.1	1602.0	1603.9	1625.5	1671.8	1746.6	1872.0	1924.5	1986.9	2082.1	2042.5
22.5°	1603.2	1597.7	1589.6	1591.5	1618.7	1680.5	1807.7	1871.4	1949.8	2067.8	2011.0
25°	1634.7	1628.6	1614.4	1598.3	1595.8	1632.9	1747.2	1819.5	1911.5	2061.7	1980.7
27.5°	1687.9	1683.6	1665.0	1640.9	1615.6	1614.4	1701.5	1776.8	1883.7	2067.8	1959.1
30°	1758.3	1750.9	1739.2	1708.3	1670.0	1630.4	1683.6	1754.0	1865.2	2087.6	1949.8
32.5°	1838.0	1833.7	1822.6	1791.7	1750.9	1687.9	1697.8	1758.9	1865.2	2122.2	1951.7
35°	1922.7	1922.0	1922.0	1901.6	1856.5	1778.1	1754.0	1800.9	1893.6	2177.8	1971.5
37.5°	2004.8	2004.2	2024.0	2031.4	1980.1	1895.5	1849.8	1885.0	1956.0	2260.0	2020.3
40°	2071.5	2074.0	2117.3	2154.3	2125.9	2047.5	1983.2	2001.1	2057.3	2376.7	2105.5
42.5°	2138.9	2145.7	2210.6	2276.0	2287.2	2219.2	2154.3	2164.8	2202.5	2531.2	2232.8
45°	2212.4	2215.5	2306.3	2397.8	2451.5	2411.3	2358.2	2372.4	2381.1	2722.1	2422.5
47.5°	2283.5	2291.5	2408.9	2534.3	2636.2	2632.5	2602.9	2598.5	2600.4	2954.4	2646.7
50°	2380.5	2392.2	2530.0	2681.3	2830.8	2899.4	2908.1	2875.3	2861.7	3212.7	2926.0
52.5°	2564.6	2564.6	2688.1	2837.0	3037.8	3207.7	3265.8	3212.0	3168.8	3485.7	3222.5
55°	2795.0	2804.9	2903.1	3023.6	3278.1	3532.1	3728.5	3669.2	3546.9	3782.9	3533.3
57.5°	2897.6	2909.9	3065.6	3252.8	3592.6	3900.9	4173.4	4152.4	3973.8	4091.8	3855.8
60°	2712.2	2738.2	2952.6	3266.4	3877.4	4495.9	4688.0	4626.8	4371.7	4416.2	4205.5
62.5°	2262.5	2290.9	2528.7	2966.8	3837.9	5139.0	5499.2	5273.7	4868.4	4825.8	4671.3
65°	1349.9	1348.7	1634.7	2215.5	3350.4	5317.6	6783.0	6362.3	5635.7	5388.0	5150.8
67.5°	858.2	856.3	916.2	1173.9	2229.7	4880.2	7608.4	7717.8	6678.0	5801.3	5190.3
70°	677.1	676.5	719.8	837.1	1102.8	3472.8	7378.6	8135.4	7307.6	5643.8	4570.0
72.5°	493.6	494.9	561.6	701.2	850.7	1743.5	5974.9	6961.0	6721.3	4982.1	3710.0
75°	354.6	356.5	396.6	536.9	784.6	953.3	3973.2	5234.2	5113.7	3993.6	2552.2
77.5°	225.5	228.0	263.2	376.3	633.9	769.8	2408.9	3695.2	3402.3	2250.1	907.6
80°	137.8	145.8	175.5	280.5	506.6	577.7	1204.1	1946.7	1703.9	617.2	305.2
82.5°	71.0	77.2	105.6	173.6	349.1	507.2	681.5	818.0	527.6	258.2	162.5
85°	22.2	25.9	37.1	70.4	166.2	314.5	451.0	406.5	242.2	121.7	75.4
87.5°	5.6	5.6	6.2	6.2	6.8	14.2	87.1	92.1	64.3	38.3	30.9
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°	2336.6	2336.6	2336.6	2336.6	2336.6	2336.6	2336.6	2336.6	2336.6	2336.6	2336.6
2.5°	2320.5	2305.7	2299.5	2298.9	2283.5	2261.2	2246.4	2235.9	2229.7	2228.5	2228.5
5°	2279.1	2260.0	2234.7	2215.5	2174.1	2132.1	2096.9	2077.1	2054.2	2051.2	2050.5
7.5°	2224.1	2196.3	2148.2	2094.4	2022.1	1952.3	1893.0	1852.8	1812.7	1805.3	1802.8
10°	2164.8	2127.2	2045.0	1950.5	1842.3	1737.9	1647.1	1576.1	1529.1	1495.7	1489.6
12.5°	2106.1	2056.1	1935.6	1794.8	1646.5	1503.8	1367.2	1251.1	1167.1	1118.3	1109.6
15°	2051.2	1981.3	1816.4	1636.6	1443.8	1248.6	1055.2	904.5	786.5	744.5	734.6
17.5°	2001.1	1914.0	1700.9	1472.9	1232.5	977.4	757.4	623.4	554.2	533.2	528.2
20°	1951.1	1844.8	1583.5	1300.5	1008.3	722.2	553.6	490.5	464.6	456.6	454.1
22.5°	1897.3	1768.8	1455.6	1130.6	781.5	540.6	452.9	425.1	417.0	417.6	417.0
25°	1843.6	1691.6	1321.5	945.9	582.0	438.7	395.4	384.9	386.8	392.3	393.6
27.5°	1799.1	1623.0	1189.9	743.2	454.7	377.5	357.1	356.5	363.3	370.7	371.9
30°	1767.0	1561.8	1060.2	571.5	374.4	335.5	327.4	331.2	339.2	344.7	346.6
32.5°	1744.1	1509.3	921.8	449.2	328.1	305.8	302.1	305.8	310.8	316.3	317.6
35°	1736.1	1471.0	785.9	366.4	296.6	284.2	281.7	283.6	286.1	289.1	290.4
37.5°	1754.0	1451.9	643.8	318.8	277.4	270.0	266.3	265.0	265.7	266.9	267.5
40°	1807.1	1460.5	527.6	291.0	265.0	258.2	252.1	249.6	249.0	250.2	249.6
42.5°	1898.6	1497.0	443.6	274.9	255.2	245.3	238.5	236.0	236.0	239.1	239.1
45°	2032.6	1568.6	383.0	263.2	246.5	234.2	226.7	225.5	228.0	232.9	233.5
47.5°	2229.1	1673.7	346.6	254.5	238.5	224.3	216.9	216.2	221.2	229.2	229.8
50°	2462.0	1825.0	326.8	248.4	232.9	216.2	208.8	209.4	215.0	223.7	225.5
52.5°	2742.5	2031.4	328.1	245.9	229.8	211.3	203.9	202.6	208.2	216.9	218.7
55°	3032.3	2282.2	352.2	246.5	225.5	208.8	198.9	194.6	199.6	205.7	206.4
57.5°	3351.1	2565.2	412.1	245.3	219.9	206.4	194.6	184.7	187.8	191.5	193.4
60°	3710.6	2898.2	541.2	247.7	217.5	200.8	186.0	173.0	172.4	174.8	175.5
62.5°	4191.3	3351.1	686.4	252.1	223.0	194.0	173.0	159.4	156.9	158.2	158.8
65°	4558.9	3567.3	640.7	248.4	234.8	189.1	160.6	146.4	141.5	140.2	140.2
67.5°	4409.4	3281.2	446.1	238.5	240.3	189.7	150.7	132.8	126.7	123.6	122.9
70°	3752.0	2665.3	310.1	228.6	234.2	188.4	140.2	121.7	113.7	109.4	108.7
72.5°	2964.3	2035.1	250.8	208.8	212.5	169.9	124.8	109.4	102.6	97.0	97.0
75°	1907.8	1241.8	209.4	186.0	173.6	132.2	108.1	97.6	90.8	85.3	85.3
77.5°	641.9	460.9	162.5	157.5	129.7	99.5	90.8	84.0	78.5	73.5	72.9
80°	260.7	218.7	119.2	119.2	90.8	76.0	71.0	68.0	64.3	58.1	58.1
82.5°	151.4	132.8	83.4	72.3	60.5	52.5	49.4	46.3	46.3	42.0	42.0
85°	72.9	73.5	50.0	44.5	34.6	30.3	29.0	27.2	26.6	24.1	23.5
87.5°	39.5	40.2	25.3	19.8	13.6	11.7	9.9	9.3	8.6	8.0	8.0
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)