

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: P634307

Luminaire Tested: GWS-SA3B-740-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634307
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-SA3B-740-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10382.4 lumens
Efficiency: N/A
Efficacy: 152.0 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

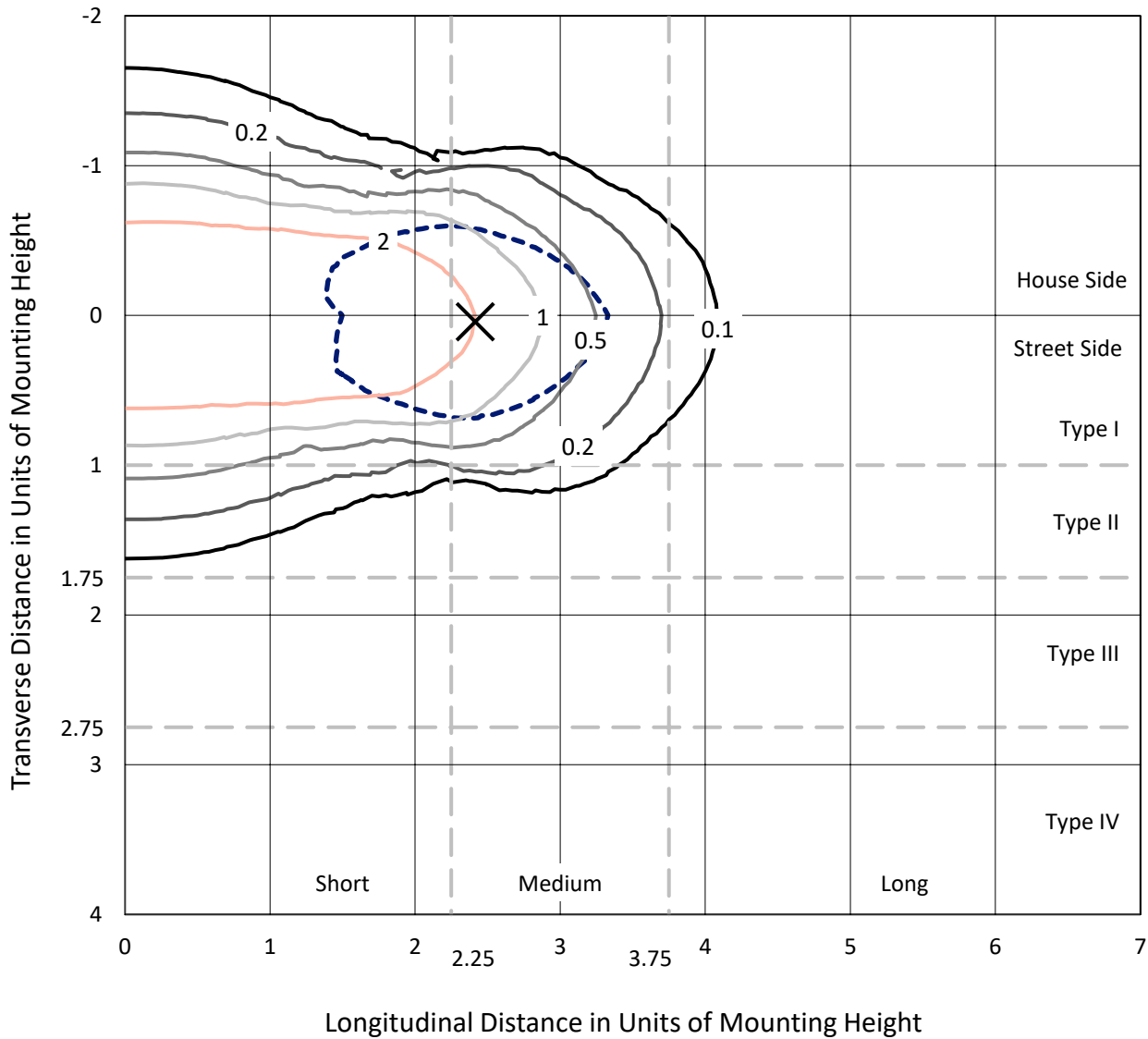
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

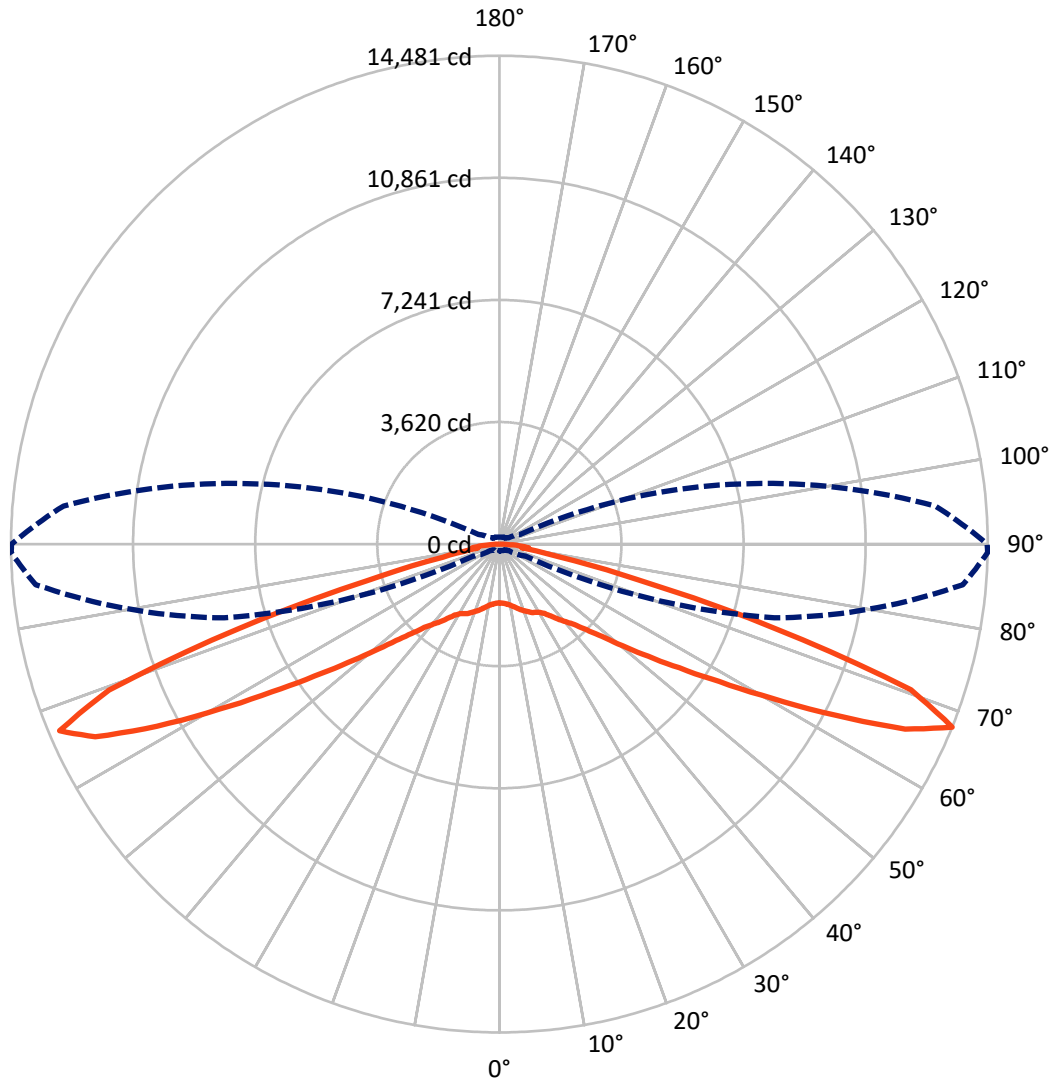
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.8 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	5145.7	0.0	5145.7
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	5236.7	0.0	5236.7
	% Fixture	50.4	0.0	50.4
Total	Lumens	10382.4	0.0	10382.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.8	1.7
10°-20°	569.2	5.5
20°-30°	962.1	9.3
30°-40°	1320.4	12.7
40°-50°	1683.8	16.2
50°-60°	2112.6	20.3
60°-70°	2548.0	24.5
70°-80°	921.8	8.9
80°-90°	89.6	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°	10382.4	100.0
0°-180°	10382.4	100.0

Coefficient of Utilization



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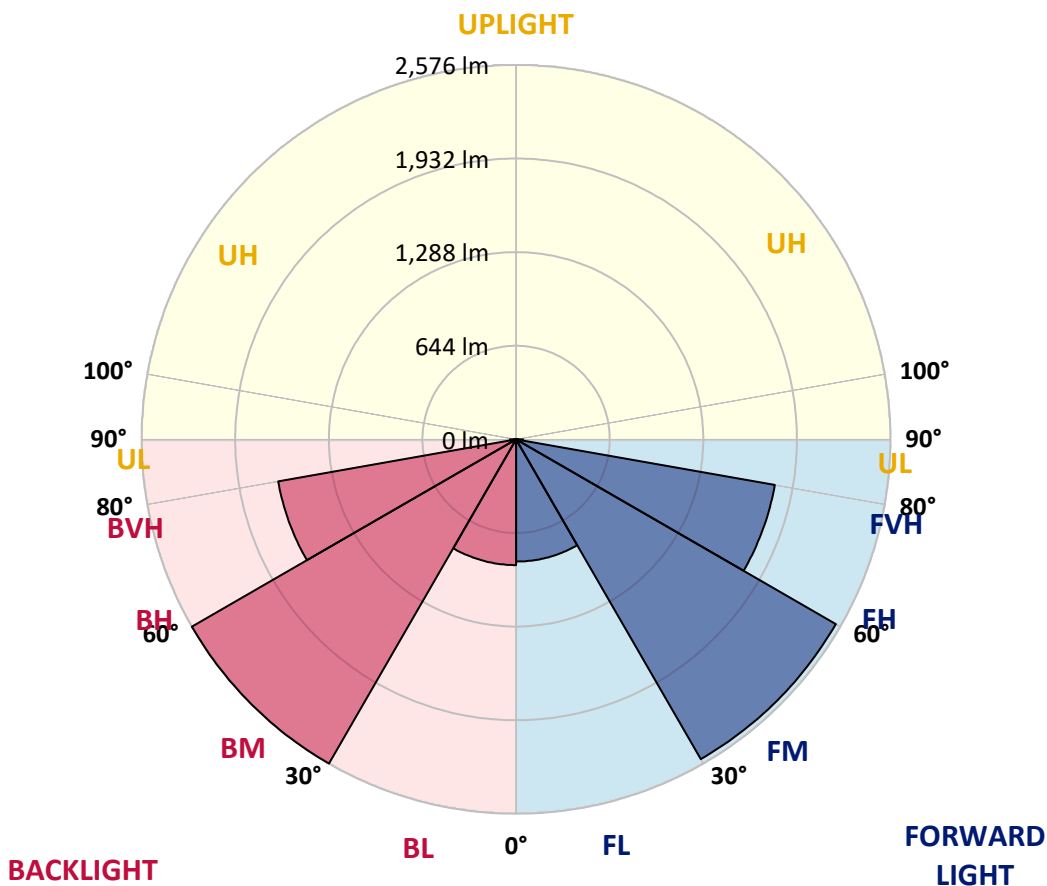
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	840.9	8.1			
FM (30°-60°)	2540.8	24.5			
FH (60°-80°)	1807.7	17.4			G2/5000
FVH (80°-90°)	47.3	0.5			G1/100
BL (0°-30°)	865.2	8.3	B2/1000		
BM (30°-60°)	2576.1	24.8	B3/5000		
BH (60°-80°)	1662.1	16.0	B3/2500		G3/2500
BVH (80°-90°)	42.3	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°	1742.6	1742.6	1742.6	1742.6	1742.6	1742.6	1742.6	1742.6	1742.6	1742.6	1742.6
2.5°	1747.8	1746.3	1742.6	1753.8	1751.6	1752.3	1756.8	1753.8	1748.6	1739.6	1752.3
5°	1797.0	1796.3	1788.1	1794.8	1787.3	1782.1	1781.4	1773.9	1768.0	1758.3	1771.7
7.5°	1844.8	1844.0	1837.3	1849.2	1843.3	1837.3	1830.6	1815.7	1801.5	1787.3	1802.3
10°	1881.3	1880.5	1879.1	1896.2	1897.7	1899.9	1897.0	1871.6	1847.0	1829.8	1844.8
12.5°	1902.2	1904.4	1908.1	1939.5	1955.1	1970.0	1973.8	1952.9	1911.9	1887.3	1905.2
15°	1888.0	1892.5	1911.1	1967.8	2011.0	2044.6	2058.8	2041.6	1988.7	1947.7	1967.8
17.5°	1820.2	1823.9	1860.4	1946.9	2042.4	2119.9	2143.0	2132.6	2073.7	2023.7	2043.1
20°	1726.2	1734.4	1773.9	1894.7	2037.1	2172.1	2234.0	2230.3	2166.1	2089.3	2112.4
22.5°	1641.2	1650.9	1692.6	1826.1	2002.1	2185.5	2325.7	2335.4	2250.4	2155.0	2173.6
25°	1545.7	1554.7	1608.4	1744.8	1941.7	2175.1	2404.0	2448.0	2345.8	2230.3	2247.4
27.5°	1448.1	1454.8	1507.7	1653.1	1862.7	2155.7	2465.9	2571.8	2439.8	2282.5	2294.4
30°	1362.3	1371.3	1419.7	1561.4	1776.2	2116.9	2516.6	2703.8	2547.9	2341.4	2351.1
32.5°	1279.5	1287.0	1339.9	1471.2	1684.4	2057.3	2562.1	2858.9	2708.2	2451.0	2451.0
35°	1175.2	1188.6	1248.2	1384.7	1597.9	1978.2	2594.9	3039.3	2927.5	2612.8	2613.5
37.5°	1079.0	1086.4	1149.1	1287.0	1507.0	1888.8	2597.9	3226.5	3204.8	2818.6	2820.1
40°	969.4	979.0	1046.2	1182.6	1402.6	1794.8	2569.5	3400.9	3495.6	3030.4	3022.2
42.5°	858.3	872.4	936.5	1070.0	1290.0	1680.0	2494.2	3567.2	3864.7	3275.7	3255.5
45°	750.9	759.8	824.0	950.0	1161.0	1542.8	2373.4	3726.8	4303.2	3648.5	3619.4
47.5°	630.1	633.8	700.2	821.0	1027.5	1389.9	2200.4	3869.2	4784.9	4142.1	4092.2
50°	522.7	527.9	580.1	683.8	864.2	1208.7	1984.9	3952.7	5398.6	4815.5	4729.0
52.5°	422.8	428.0	469.8	552.5	714.3	1002.2	1718.0	3933.3	6021.2	5651.3	5525.3
55°	341.5	345.2	373.6	438.4	562.2	797.1	1402.6	3759.6	6712.4	6743.0	6471.6
57.5°	288.6	290.1	309.4	349.0	439.2	614.4	1082.7	3349.5	7437.2	8135.9	7690.0
60°	258.0	258.7	267.7	292.3	346.7	469.0	793.4	2696.3	8188.1	9878.5	9267.0
62.5°	238.6	238.6	246.1	260.2	287.8	360.9	583.1	1936.5	8727.2	11774.7	11167.0
65°	220.0	220.0	225.2	237.1	252.0	294.5	437.7	1249.0	8991.9	13360.0	13225.0
67.5°	196.1	196.9	200.6	213.3	226.7	246.1	331.8	844.8	8442.3	13798.4	14481.4
70°	173.7	174.5	179.7	187.9	199.1	212.5	259.5	582.4	6145.0	11492.1	12948.3
72.5°	149.1	152.1	155.8	164.8	171.5	181.2	211.8	377.3	3575.4	7392.5	8559.4
75°	122.3	126.0	130.5	139.4	143.9	147.6	174.5	269.2	1720.2	3746.2	4265.9
77.5°	94.7	98.4	103.6	111.8	114.8	119.3	133.5	194.6	824.0	1660.6	1790.3
80°	63.4	64.9	69.3	79.0	84.3	87.2	98.4	132.7	357.9	666.6	660.7
82.5°	38.8	39.5	41.0	47.0	49.2	52.2	64.1	81.3	170.8	757.6	868.7
85°	14.2	13.4	12.7	16.4	19.4	22.4	29.8	41.0	74.6	520.5	582.4
87.5°	0.0	0.0	0.0	0.7	1.5	1.5	3.0	6.0	17.9	194.6	133.5
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°	1742.6	1742.6	1742.6	1742.6	1742.6	1742.6	1742.6	1742.6	1742.6	1742.6	1742.6
2.5°	1748.6	1740.4	1750.8	1758.3	1774.7	1780.6	1782.1	1776.9	1776.9	1768.0	1769.4
5°	1768.7	1763.5	1780.6	1793.3	1817.2	1826.1	1832.1	1828.4	1830.6	1824.6	1826.1
7.5°	1799.3	1794.8	1824.6	1849.2	1873.8	1884.3	1889.5	1886.5	1887.3	1879.8	1882.0
10°	1841.8	1843.3	1879.1	1911.1	1943.9	1954.4	1956.6	1947.7	1940.2	1926.8	1927.5
12.5°	1899.9	1907.4	1958.1	1993.9	2027.4	2042.4	2026.0	1993.1	1962.6	1939.5	1936.5
15°	1963.3	1976.7	2049.8	2095.3	2131.8	2124.4	2075.9	2002.1	1941.7	1907.4	1900.7
17.5°	2039.4	2059.5	2151.2	2205.7	2237.0	2189.3	2087.8	1977.5	1893.2	1847.0	1838.0
20°	2111.0	2143.0	2258.6	2329.4	2333.2	2225.8	2082.6	1927.5	1821.6	1765.0	1753.0
22.5°	2176.6	2217.6	2371.2	2461.4	2412.9	2242.2	2050.6	1856.7	1735.1	1668.8	1658.3
25°	2248.2	2306.3	2502.4	2586.7	2492.7	2235.5	1983.4	1768.7	1630.8	1562.9	1555.4
27.5°	2297.4	2370.4	2634.4	2714.9	2558.4	2197.5	1897.0	1672.5	1535.3	1471.2	1460.7
30°	2354.0	2447.2	2779.8	2854.4	2598.6	2141.5	1804.5	1583.0	1446.6	1377.2	1369.8
32.5°	2456.9	2574.0	2960.3	3002.0	2611.3	2072.2	1715.8	1496.5	1354.1	1284.8	1274.3
35°	2622.5	2759.7	3213.8	3166.8	2601.6	1996.1	1631.5	1395.1	1259.4	1194.5	1184.1
37.5°	2831.3	3002.0	3496.4	3315.2	2574.8	1912.6	1531.6	1310.1	1174.4	1108.8	1102.8
40°	3025.9	3236.2	3813.3	3443.4	2520.3	1809.7	1435.4	1221.4	1082.7	1013.3	999.9
42.5°	3269.7	3549.3	4180.2	3554.6	2430.8	1686.7	1327.3	1111.8	967.9	905.2	888.8
45°	3640.3	3987.8	4606.7	3661.2	2297.4	1535.3	1191.6	978.3	841.8	777.7	765.0
47.5°	4102.6	4535.8	5069.0	3724.6	2094.6	1375.7	1038.0	837.4	700.9	628.6	622.6
50°	4752.1	5332.9	5564.8	3713.4	1867.9	1186.3	865.0	669.6	555.5	503.3	495.1
52.5°	5543.2	6333.6	6101.0	3579.2	1627.0	970.8	674.1	525.7	440.7	403.4	396.7
55°	6535.7	7531.9	6665.4	3291.3	1322.8	743.4	529.4	414.6	356.4	334.1	331.1
57.5°	7764.5	9083.6	7209.0	2806.7	994.7	567.4	407.9	342.3	314.7	301.2	300.5
60°	9386.3	10730.8	7681.0	2181.0	712.1	434.0	337.0	305.7	284.1	275.1	274.4
62.5°	11314.6	12226.6	7974.8	1485.4	535.4	346.0	296.8	277.4	264.7	259.5	258.7
65°	13296.6	13172.0	7834.6	973.1	406.4	293.8	266.2	255.8	244.6	239.4	239.4
67.5°	14467.3	12972.2	6758.6	675.6	322.1	258.0	240.1	230.4	211.8	207.3	207.3
70°	12814.1	10511.5	4430.0	494.4	261.0	225.9	208.8	195.4	187.9	183.4	182.7
72.5°	8475.1	6839.9	2355.5	343.0	217.7	192.4	176.7	171.5	162.6	158.1	157.3
75°	4218.2	3592.6	1207.2	247.6	181.2	154.4	147.6	145.4	137.9	132.0	130.5
77.5°	1758.3	1599.4	563.0	179.7	137.9	124.5	118.6	118.6	110.4	103.6	100.7
80°	662.9	590.6	266.2	123.0	102.2	92.5	88.7	85.8	79.0	70.8	66.4
82.5°	886.6	579.4	130.5	76.8	67.1	59.7	54.4	52.2	48.5	44.7	41.8
85°	574.2	411.6	58.9	39.5	33.6	25.4	22.4	20.9	18.6	16.4	14.9
87.5°	117.1	137.9	17.9	7.5	4.5	2.2	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)