

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: P630825

Luminaire Tested: GWS-SA1E-740-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630825
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-740-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6453.9 lumens
Efficiency: N/A
Efficacy: 110.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

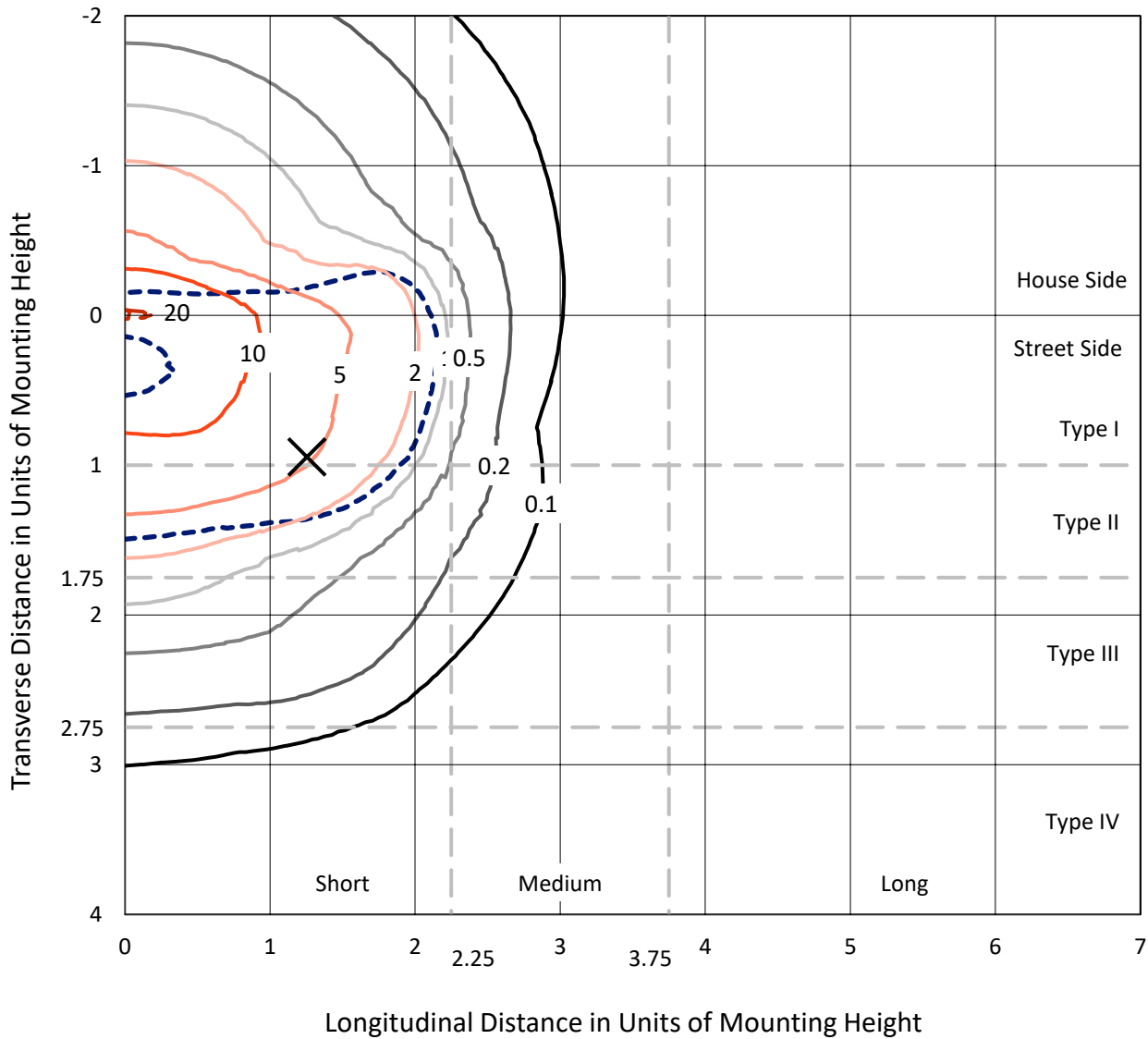
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

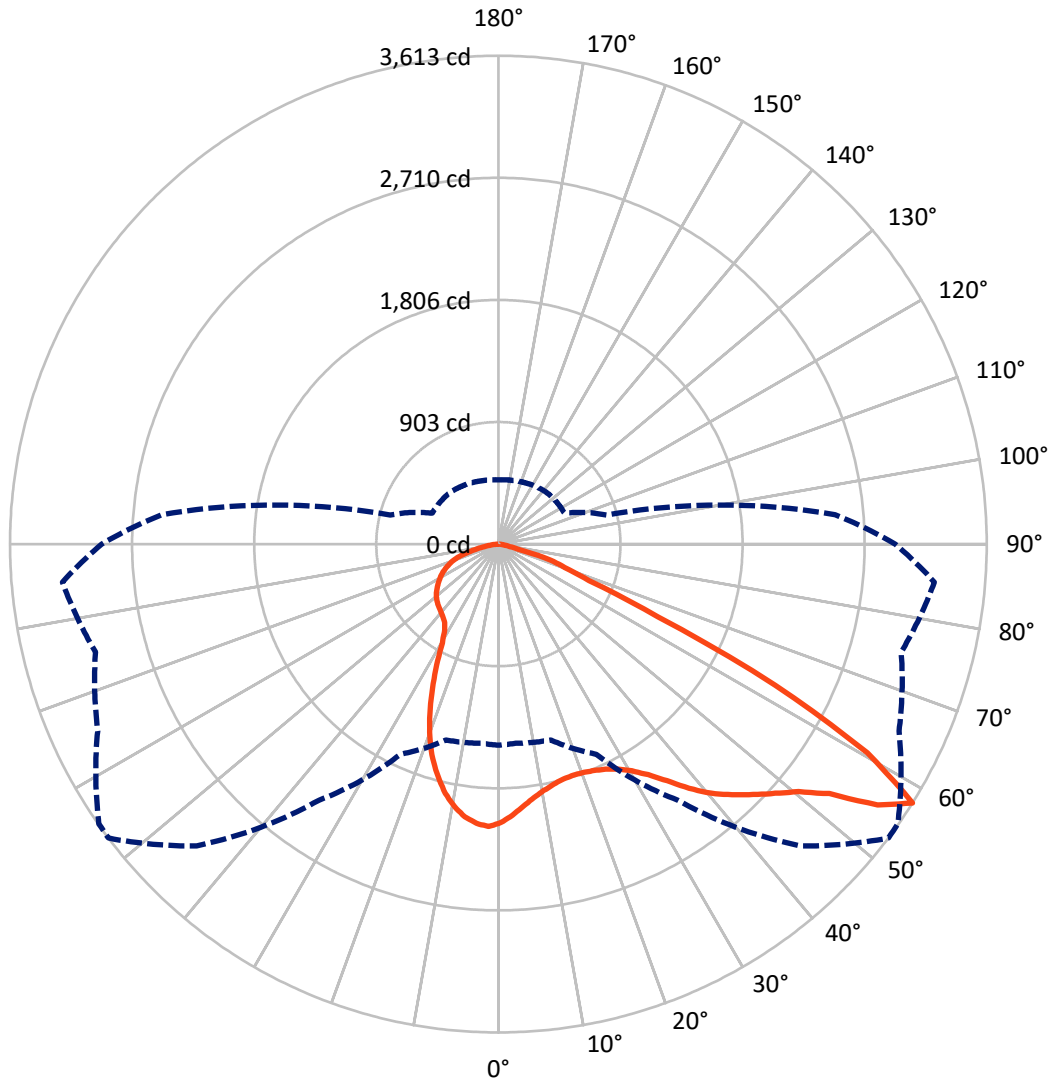
✕ Max cd
 - - - 1/2 Max cd



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 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2017.9	0.0	2017.9
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	4436.0	0.0	4436.0
	% Fixture	68.7	0.0	68.7
Total	Lumens	6453.9	0.0	6453.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.4	2.9
10°-20°	488.9	7.6
20°-30°	720.4	11.2
30°-40°	1008.3	15.6
40°-50°	1325.6	20.5
50°-60°	1554.2	24.1
60°-70°	915.6	14.2
70°-80°	227.8	3.5
80°-90°	26.7	0.4
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°	6453.9	100.0
0°-180°	6453.9	100.0

Coefficient of Utilization



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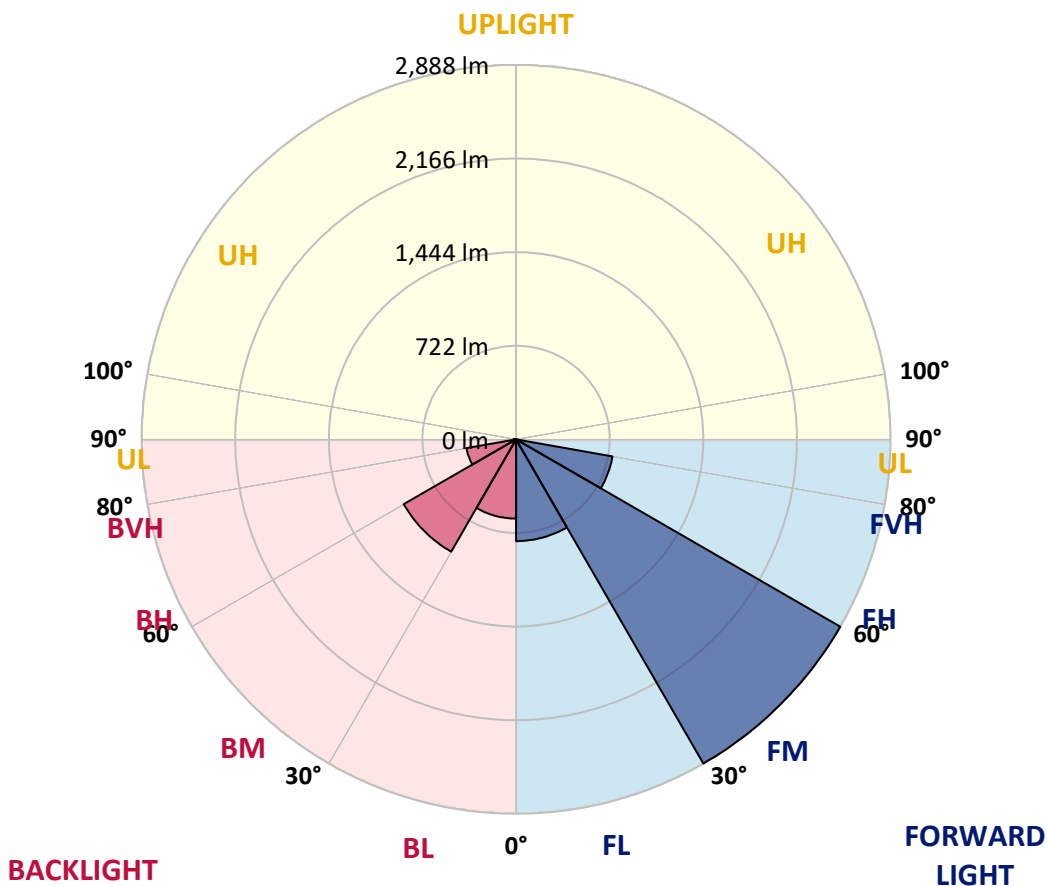
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	784.7	12.2			
FM (30°-60°)	2887.5	44.7			
FH (60°-80°)	754.9	11.7			G1/1800
FVH (80°-90°)	8.9	0.1			G0/10
BL (0°-30°)	611.0	9.5	B2/1000		
BM (30°-60°)	1000.6	15.5	B2/2500		
BH (60°-80°)	388.5	6.0	B1/500		G1/500
BVH (80°-90°)	17.8	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-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	2060.9	2060.9	2060.9	2060.9	2060.9	2060.9	2060.9	2060.9	2060.9	2060.9	2060.9
2.5°	1942.5	1947.9	1949.0	1965.8	1966.9	1991.4	2007.7	2004.4	2021.3	2041.9	2058.2
5°	1849.6	1850.1	1855.6	1875.7	1886.5	1918.6	1945.7	1945.7	1978.3	2020.7	2057.1
7.5°	1773.0	1772.5	1777.4	1799.6	1817.6	1856.1	1893.1	1897.4	1943.0	2005.0	2064.2
10°	1701.8	1705.7	1711.1	1738.2	1761.1	1808.9	1852.9	1859.9	1917.5	1994.1	2073.9
12.5°	1656.2	1656.8	1664.9	1695.3	1724.7	1775.7	1821.9	1830.6	1896.9	1983.8	2081.0
15°	1626.9	1627.4	1636.1	1669.8	1704.0	1755.6	1802.9	1812.7	1884.9	1982.1	2094.6
17.5°	1613.9	1613.3	1621.5	1655.1	1692.6	1746.4	1796.9	1808.9	1890.3	1994.6	2118.5
20°	1613.9	1614.4	1618.7	1649.2	1687.2	1744.2	1802.9	1817.6	1911.5	2022.9	2155.4
22.5°	1636.7	1638.8	1641.0	1661.7	1691.5	1747.5	1818.6	1838.2	1957.2	2070.1	2203.8
25°	1681.2	1681.8	1683.9	1700.8	1714.3	1756.7	1844.7	1874.0	2028.3	2139.1	2264.6
27.5°	1741.0	1748.6	1750.7	1761.6	1761.6	1779.5	1885.5	1927.8	2124.5	2238.5	2342.3
30°	1824.6	1827.3	1831.1	1843.1	1830.0	1822.4	1945.2	1999.5	2235.8	2358.6	2435.7
32.5°	1897.9	1903.9	1924.6	1944.1	1920.8	1896.9	2033.2	2097.3	2342.8	2483.5	2535.1
35°	1960.4	1975.1	2014.7	2058.2	2041.9	2018.0	2150.0	2216.8	2430.8	2573.1	2623.1
37.5°	2035.9	2047.3	2101.6	2172.3	2186.9	2175.5	2292.3	2340.1	2489.5	2596.0	2670.9
40°	2112.5	2129.9	2200.0	2297.7	2353.7	2361.8	2423.8	2455.8	2509.6	2551.4	2661.7
42.5°	2190.7	2220.6	2316.8	2430.8	2530.2	2548.7	2534.6	2548.2	2503.1	2490.0	2618.8
45°	2286.3	2321.6	2430.3	2575.9	2706.8	2735.6	2643.2	2630.7	2502.0	2466.7	2592.2
47.5°	2399.3	2434.6	2538.4	2707.9	2875.2	2896.3	2754.6	2731.8	2540.0	2502.5	2628.0
50°	2499.3	2523.7	2616.6	2806.2	3032.1	3044.6	2877.3	2849.6	2634.5	2601.9	2739.9
52.5°	2397.7	2395.0	2492.7	2726.3	3113.6	3264.1	3066.4	3039.8	2817.0	2767.1	2913.2
55°	2034.3	2003.3	2090.8	2320.6	2886.0	3459.1	3405.3	3352.1	3060.4	2933.3	3075.6
57.5°	1487.3	1478.6	1499.8	1715.4	2311.9	3157.1	3612.8	3607.9	3270.6	3085.4	3237.5
60°	1163.0	1150.0	1093.5	1099.4	1575.8	2466.1	3135.4	3279.3	3401.0	3176.6	3350.5
62.5°	1032.6	1022.8	993.5	912.6	938.7	1653.5	2298.3	2430.3	2971.9	2805.6	2877.9
65°	855.0	852.3	876.7	873.5	786.6	913.1	1297.2	1430.2	1868.6	1892.0	1868.6
67.5°	621.4	616.5	678.5	800.7	757.2	689.3	723.0	769.2	958.2	860.4	774.6
70°	404.1	397.1	432.9	578.5	677.9	600.8	520.9	513.3	526.9	327.6	354.2
72.5°	271.1	262.9	262.4	318.3	409.6	404.7	403.6	399.8	356.9	258.6	286.8
75°	151.0	144.5	142.9	137.4	146.7	149.4	159.2	164.6	178.2	196.1	217.3
77.5°	25.5	25.0	31.5	40.2	55.4	71.2	88.0	92.9	114.6	135.8	149.4
80°	14.1	14.7	19.0	23.4	31.0	42.4	54.3	57.6	70.6	82.0	92.9
82.5°	7.6	7.6	9.8	12.5	16.8	22.3	29.3	32.0	40.7	47.8	55.4
85°	2.7	2.7	3.8	4.9	7.1	9.2	11.4	13.0	17.9	24.4	27.7
87.5°	0.0	0.0	0.0	0.0	0.5	1.1	2.2	2.2	2.7	4.9	7.1
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°	2060.9	2060.9	2060.9	2060.9	2060.9	2060.9	2060.9	2060.9	2060.9	2060.9	2060.9
2.5°	2071.8	2057.1	2077.2	2086.4	2089.7	2091.9	2077.7	2068.0	2064.7	2054.4	2048.4
5°	2079.4	2069.6	2088.6	2088.6	2075.0	2060.9	2032.1	2012.0	1997.9	1981.1	1978.3
7.5°	2092.4	2085.3	2095.7	2074.5	2040.3	2002.2	1952.3	1913.2	1881.6	1861.0	1861.5
10°	2109.8	2101.1	2093.0	2045.7	1983.2	1913.2	1836.6	1779.5	1727.4	1703.5	1690.4
12.5°	2121.2	2108.7	2074.5	1996.3	1904.5	1810.5	1702.4	1617.7	1542.1	1507.9	1505.2
15°	2135.3	2112.5	2044.1	1932.2	1804.5	1676.3	1537.3	1419.4	1317.3	1264.0	1261.3
17.5°	2153.8	2116.3	2007.7	1858.8	1699.1	1510.1	1335.2	1186.9	1078.3	1037.0	1044.0
20°	2179.9	2120.7	1966.4	1777.4	1568.2	1321.1	1103.2	966.9	925.1	922.4	916.9
22.5°	2209.2	2123.4	1920.8	1686.1	1409.6	1119.5	911.5	853.4	852.8	866.4	869.7
25°	2242.3	2125.5	1869.2	1579.6	1238.0	918.6	806.1	788.7	802.3	827.8	831.1
27.5°	2284.7	2129.9	1806.7	1462.8	1055.4	793.6	748.0	743.6	759.9	783.8	782.8
30°	2347.2	2145.6	1740.4	1328.7	868.0	734.4	712.7	713.2	719.7	731.1	732.8
32.5°	2410.7	2170.1	1675.8	1177.7	760.5	700.7	691.0	689.9	689.9	694.8	695.8
35°	2471.0	2197.8	1605.7	1020.1	708.3	681.2	674.7	671.4	669.8	668.7	667.1
37.5°	2504.7	2211.4	1537.3	864.8	680.6	668.1	661.6	657.3	651.3	647.0	645.9
40°	2490.0	2195.6	1458.0	748.5	663.8	655.6	648.0	642.1	633.9	630.1	627.9
42.5°	2441.1	2146.7	1371.6	693.7	650.2	642.1	632.8	623.1	617.6	614.4	613.8
45°	2389.5	2087.5	1267.3	661.6	637.2	627.4	616.5	605.7	599.7	598.1	597.5
47.5°	2387.9	2058.2	1156.5	636.1	621.4	611.6	598.1	587.2	580.7	578.5	576.3
50°	2459.6	2088.1	1031.5	613.8	605.1	594.8	579.6	567.6	559.5	556.8	556.2
52.5°	2608.5	2200.5	919.6	591.5	583.4	571.4	559.0	547.0	537.2	532.3	531.8
55°	2769.2	2343.4	850.1	568.7	557.9	547.5	536.1	523.1	512.2	504.6	503.5
57.5°	2935.5	2499.3	828.9	539.9	531.8	524.7	511.2	497.0	484.5	477.5	475.8
60°	3072.3	2633.4	868.6	509.5	505.2	495.9	483.4	469.9	461.2	455.7	454.7
62.5°	2572.1	2144.0	701.3	476.4	476.4	466.6	452.5	442.7	436.7	432.9	431.8
65°	1632.3	1327.6	478.6	443.3	442.7	429.7	417.7	411.2	408.5	402.5	401.4
67.5°	711.1	606.8	409.0	409.6	407.4	393.3	381.3	376.4	371.0	364.5	363.9
70°	368.8	375.9	366.1	372.1	368.3	351.5	340.0	332.4	321.0	314.5	315.1
72.5°	297.7	305.3	316.1	325.4	317.2	303.6	285.7	276.5	261.8	254.8	255.3
75°	227.1	235.2	245.5	255.3	248.8	231.9	220.5	211.3	194.5	186.3	187.9
77.5°	156.4	160.8	173.3	172.7	170.6	165.7	148.8	138.0	120.6	110.8	111.9
80°	97.2	99.9	105.9	108.6	107.6	101.0	87.5	79.3	69.0	63.0	63.6
82.5°	58.7	60.3	65.7	66.3	65.7	60.8	50.5	44.5	38.0	34.8	34.8
85°	29.9	31.0	34.2	34.2	31.0	26.1	23.4	20.6	16.8	15.2	15.2
87.5°	8.1	8.1	10.3	8.7	7.1	6.5	3.3	2.7	1.1	0.5	0.5
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)