

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: P630774

Luminaire Tested: GWS-SA1E-735-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630774
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-735-U-SL3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6258.9 lumens
Efficiency: N/A
Efficacy: 107.2 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

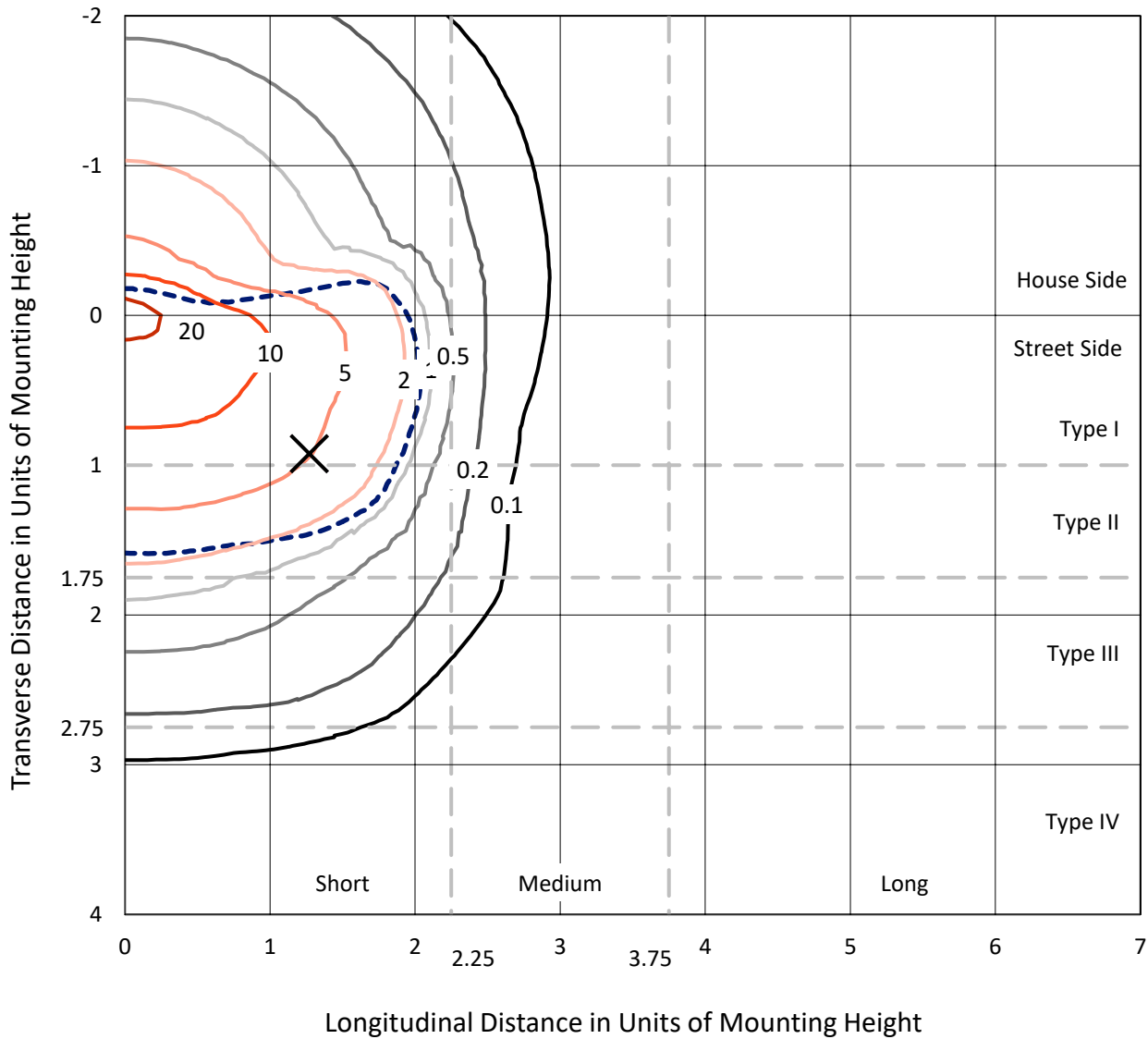


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Iso-Footcandle Lines of Horizontal Illumination

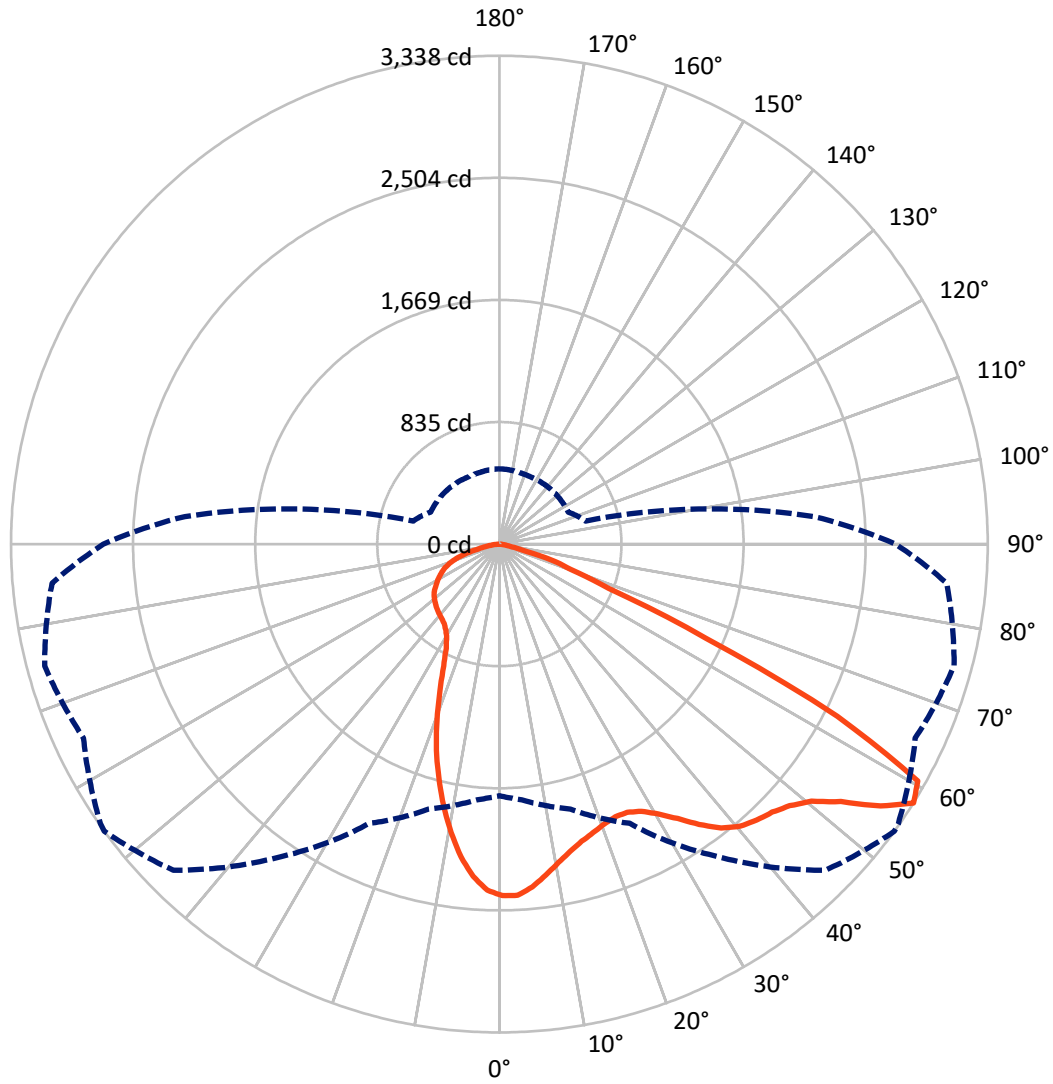
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 24 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1819.5	0.0	1819.5
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	4439.4	0.0	4439.4
	% Fixture	70.9	0.0	70.9
Total	Lumens	6258.9	0.0	6258.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.2	3.4
10°-20°	504.0	8.1
20°-30°	697.4	11.1
30°-40°	969.1	15.5
40°-50°	1279.9	20.4
50°-60°	1521.0	24.3
60°-70°	842.6	13.5
70°-80°	209.8	3.4
80°-90°	23.9	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°	6258.9	100.0
0°-180°	6258.9	100.0

Coefficient of Utilization



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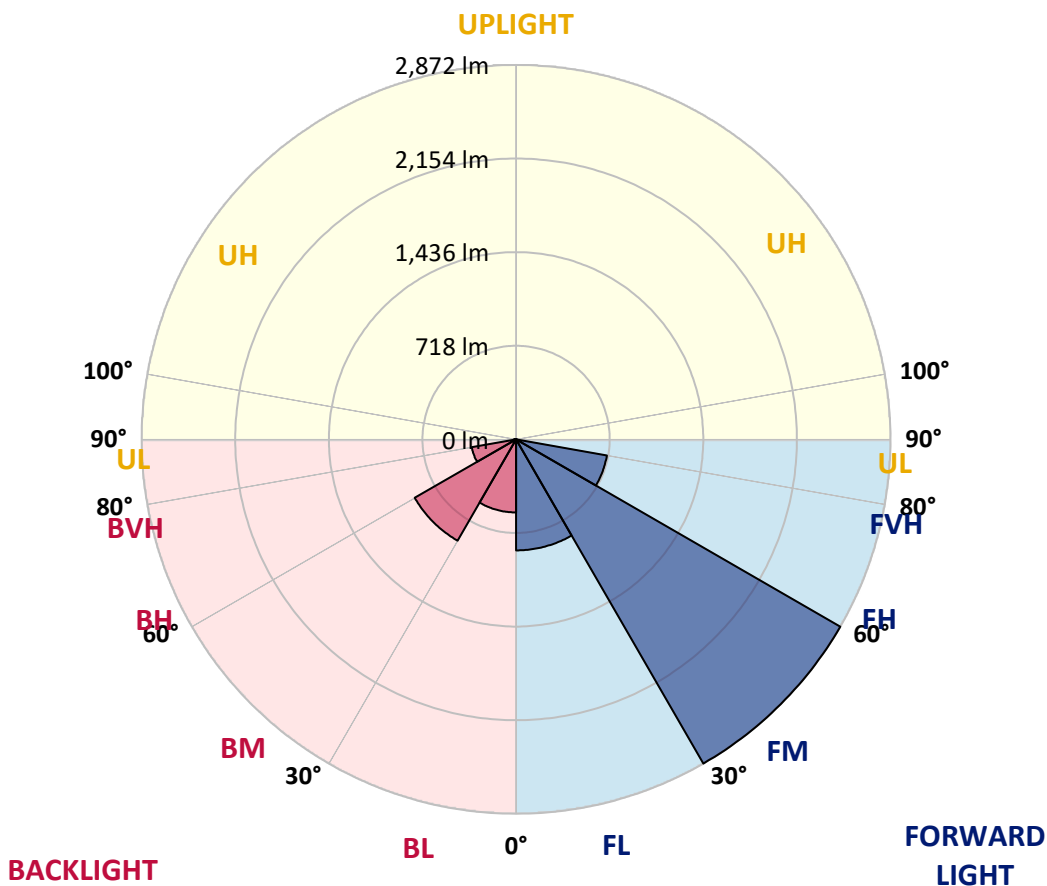
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	851.9	13.6			
FM (30°-60°)	2872.3	45.9			
FH (60°-80°)	707.7	11.3			G1/1800
FVH (80°-90°)	7.5	0.1			G0/10
BL (0°-30°)	560.7	9.0	B2/1000		
BM (30°-60°)	897.6	14.3	B1/1000		
BH (60°-80°)	344.8	5.5	B1/500		G1/500
BVH (80°-90°)	16.4	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°	54°	55°	65°	75°	85°
0°	2402.9	2402.9	2402.9	2402.9	2402.9	2402.9	2402.9	2402.9	2402.9	2402.9	2402.9
2.5°	2357.9	2362.8	2366.0	2377.2	2386.9	2395.4	2404.5	2404.5	2404.0	2402.4	2399.2
5°	2264.7	2270.1	2277.6	2293.1	2314.0	2329.0	2353.6	2355.8	2366.5	2370.8	2368.6
7.5°	2156.5	2158.1	2167.7	2188.1	2221.3	2248.1	2283.5	2287.7	2313.5	2328.5	2325.8
10°	2038.1	2032.7	2049.9	2079.9	2123.3	2168.3	2213.8	2217.6	2258.8	2287.2	2285.1
12.5°	1929.8	1930.4	1947.5	1984.0	2038.1	2093.8	2154.9	2163.4	2214.3	2250.8	2247.0
15°	1839.3	1841.4	1862.3	1903.6	1965.2	2031.6	2107.7	2115.8	2180.1	2228.3	2217.6
17.5°	1767.0	1769.1	1787.3	1834.5	1900.4	1980.7	2073.4	2081.5	2161.3	2218.6	2196.7
20°	1717.1	1716.1	1733.8	1778.8	1846.8	1934.1	2043.4	2055.2	2155.4	2222.4	2182.7
22.5°	1696.8	1696.3	1709.1	1746.1	1809.8	1898.2	2025.2	2041.3	2161.8	2239.0	2174.2
25°	1707.0	1704.8	1716.1	1743.4	1794.3	1884.3	2030.6	2047.7	2189.2	2273.3	2175.8
27.5°	1738.6	1735.9	1745.5	1770.2	1808.8	1898.8	2068.1	2087.9	2247.0	2336.0	2197.2
30°	1786.8	1785.2	1794.8	1818.4	1852.2	1947.0	2139.9	2162.4	2336.5	2433.5	2243.8
32.5°	1843.1	1840.4	1857.5	1884.8	1924.0	2034.9	2236.3	2265.8	2442.6	2558.8	2322.0
35°	1906.3	1904.1	1927.7	1967.4	2023.6	2157.0	2353.1	2385.3	2550.8	2700.8	2426.0
37.5°	1967.9	1967.9	2013.4	2072.4	2143.1	2289.9	2462.9	2483.3	2625.8	2826.7	2537.4
40°	2022.5	2025.8	2094.3	2182.7	2272.7	2409.9	2535.3	2552.4	2659.0	2913.5	2634.4
42.5°	2083.1	2085.8	2165.6	2281.3	2388.5	2506.9	2579.2	2587.8	2665.5	2956.9	2703.0
45°	2131.3	2135.0	2234.2	2357.9	2489.2	2579.7	2614.0	2621.5	2674.6	2980.5	2752.8
47.5°	2156.5	2161.8	2275.4	2419.5	2557.2	2645.1	2671.4	2674.6	2712.1	3021.7	2812.8
50°	2152.2	2162.9	2291.0	2450.1	2607.6	2711.0	2763.5	2768.9	2788.7	3082.3	2883.0
52.5°	2190.2	2195.1	2324.2	2486.5	2679.4	2832.6	2923.7	2931.2	2922.1	3127.8	2924.8
55°	2127.0	2150.0	2282.9	2481.2	2788.7	3020.7	3161.1	3157.3	3043.2	3178.7	2994.4
57.5°	1720.4	1754.1	1875.7	2106.1	2608.7	3152.5	3338.4	3329.3	3136.9	3217.8	3070.0
60°	1191.0	1196.4	1306.2	1469.6	2013.4	2784.9	3286.4	3306.2	3154.1	3168.6	2930.1
62.5°	952.6	951.0	961.2	965.5	1280.5	1957.7	2594.2	2666.5	2620.5	2468.8	2076.6
65°	813.3	819.2	849.2	833.7	835.8	1102.6	1550.0	1560.2	1528.0	1473.4	1098.3
67.5°	636.5	646.7	699.7	760.3	741.0	709.9	804.2	799.4	630.1	487.6	402.9
70°	398.6	405.0	461.8	596.8	645.1	582.9	517.0	514.9	337.5	277.5	304.3
72.5°	232.5	233.6	249.7	332.7	428.1	398.6	380.4	366.5	217.0	221.3	242.7
75°	128.0	128.0	127.5	143.6	168.8	149.5	144.7	140.9	145.2	164.5	180.6
77.5°	26.8	27.3	28.9	38.0	49.3	60.0	75.5	76.1	94.8	109.8	122.7
80°	12.3	12.9	16.1	20.4	26.3	34.8	46.1	46.6	57.3	69.1	77.7
82.5°	6.4	7.0	8.6	10.7	13.9	18.2	25.7	25.7	34.3	40.7	46.1
85°	2.1	2.1	3.2	4.3	5.9	7.5	10.2	10.2	15.0	19.8	23.0
87.5°	0.0	0.0	0.0	0.0	0.5	1.1	2.1	2.1	2.7	3.2	5.4
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°	2402.9	2402.9	2402.9	2402.9	2402.9	2402.9	2402.9	2402.9	2402.9	2402.9	2402.9
2.5°	2392.2	2375.6	2376.1	2379.4	2369.2	2353.6	2343.5	2330.6	2322.6	2321.0	2326.9
5°	2357.9	2338.6	2325.2	2311.3	2282.4	2248.1	2221.3	2199.3	2184.9	2179.5	2173.1
7.5°	2310.8	2285.6	2251.8	2212.7	2160.2	2099.2	2056.3	2016.1	1988.2	1980.2	1976.5
10°	2263.6	2227.2	2167.2	2094.3	2007.0	1924.5	1846.8	1787.3	1740.2	1713.4	1722.0
12.5°	2214.9	2169.9	2076.1	1964.1	1842.5	1718.2	1616.4	1517.8	1441.8	1403.7	1392.5
15°	2172.0	2110.9	1980.2	1828.6	1666.8	1510.3	1363.0	1215.1	1118.7	1066.2	1051.7
17.5°	2135.6	2056.3	1878.9	1690.4	1496.9	1274.1	1093.0	955.8	889.9	861.0	858.8
20°	2099.7	2002.7	1778.8	1541.4	1300.9	1051.2	889.4	825.1	801.5	791.3	790.8
22.5°	2067.5	1946.5	1673.2	1392.5	1105.8	883.5	794.5	766.7	760.3	760.3	759.2
25°	2040.2	1890.2	1565.0	1234.4	929.6	786.5	745.3	733.5	736.1	741.0	741.5
27.5°	2029.0	1846.3	1460.5	1072.1	807.9	730.3	711.5	709.9	717.4	724.9	726.0
30°	2040.8	1816.3	1353.4	916.7	735.1	696.0	687.4	690.6	699.7	707.2	707.2
32.5°	2077.2	1801.3	1244.1	803.1	692.8	671.9	669.2	672.4	679.4	683.6	684.2
35°	2138.8	1807.2	1131.0	726.5	665.4	654.2	653.6	655.8	658.5	661.1	661.7
37.5°	2216.5	1833.4	1009.9	682.0	647.7	641.3	640.2	639.7	640.2	640.2	640.8
40°	2292.6	1873.1	901.7	655.8	635.4	630.1	627.4	623.6	623.1	622.0	621.5
42.5°	2348.8	1903.6	815.4	637.0	624.2	617.7	614.5	608.6	608.1	607.6	607.0
45°	2391.1	1929.3	743.7	618.8	612.4	606.5	599.5	594.2	595.2	596.3	596.3
47.5°	2438.8	1951.8	691.1	601.7	597.9	592.0	583.5	579.7	583.5	587.2	587.2
50°	2496.7	1983.4	648.3	584.5	582.9	576.0	568.5	566.8	571.1	576.5	576.5
52.5°	2539.0	2010.7	617.7	567.4	567.4	558.3	551.8	551.3	556.1	561.5	562.0
55°	2618.3	2074.5	607.0	547.6	545.4	538.5	533.6	529.9	535.8	540.6	540.6
57.5°	2707.8	2159.2	609.7	519.2	516.5	514.3	510.6	506.3	507.9	513.3	513.8
60°	2518.1	1995.2	580.2	490.8	489.2	488.1	483.3	475.8	477.9	482.2	482.7
62.5°	1758.9	1326.0	469.3	455.4	460.8	460.2	453.8	445.2	445.8	451.7	451.7
65°	913.0	717.4	412.0	423.3	431.3	428.1	417.4	409.9	408.8	416.3	414.7
67.5°	393.8	391.6	375.0	389.5	398.1	391.1	379.9	367.5	368.6	371.3	369.1
70°	317.2	326.8	333.8	349.3	356.3	343.4	331.1	324.1	318.2	317.7	314.0
72.5°	253.4	266.8	282.4	298.4	300.6	287.7	272.2	265.7	256.6	256.1	252.3
75°	190.7	202.0	214.3	227.2	227.2	214.8	204.7	201.4	190.7	187.5	184.3
77.5°	130.2	137.2	146.8	150.0	153.2	148.4	138.2	132.9	120.5	117.3	113.0
80°	82.0	86.8	92.7	94.8	98.0	92.2	84.1	78.2	69.7	67.0	64.8
82.5°	49.3	52.5	56.3	57.3	60.0	55.7	48.2	43.9	39.1	37.0	35.4
85°	25.2	26.8	28.9	29.5	28.9	24.6	22.0	19.8	16.6	16.1	15.0
87.5°	6.4	7.5	8.0	7.5	7.0	5.4	3.8	2.7	1.1	1.1	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)