

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: P630884

Luminaire Tested: GWS-SA1E-750-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630884
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6491.3 lumens
Efficiency: N/A
Efficacy: 111.2 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

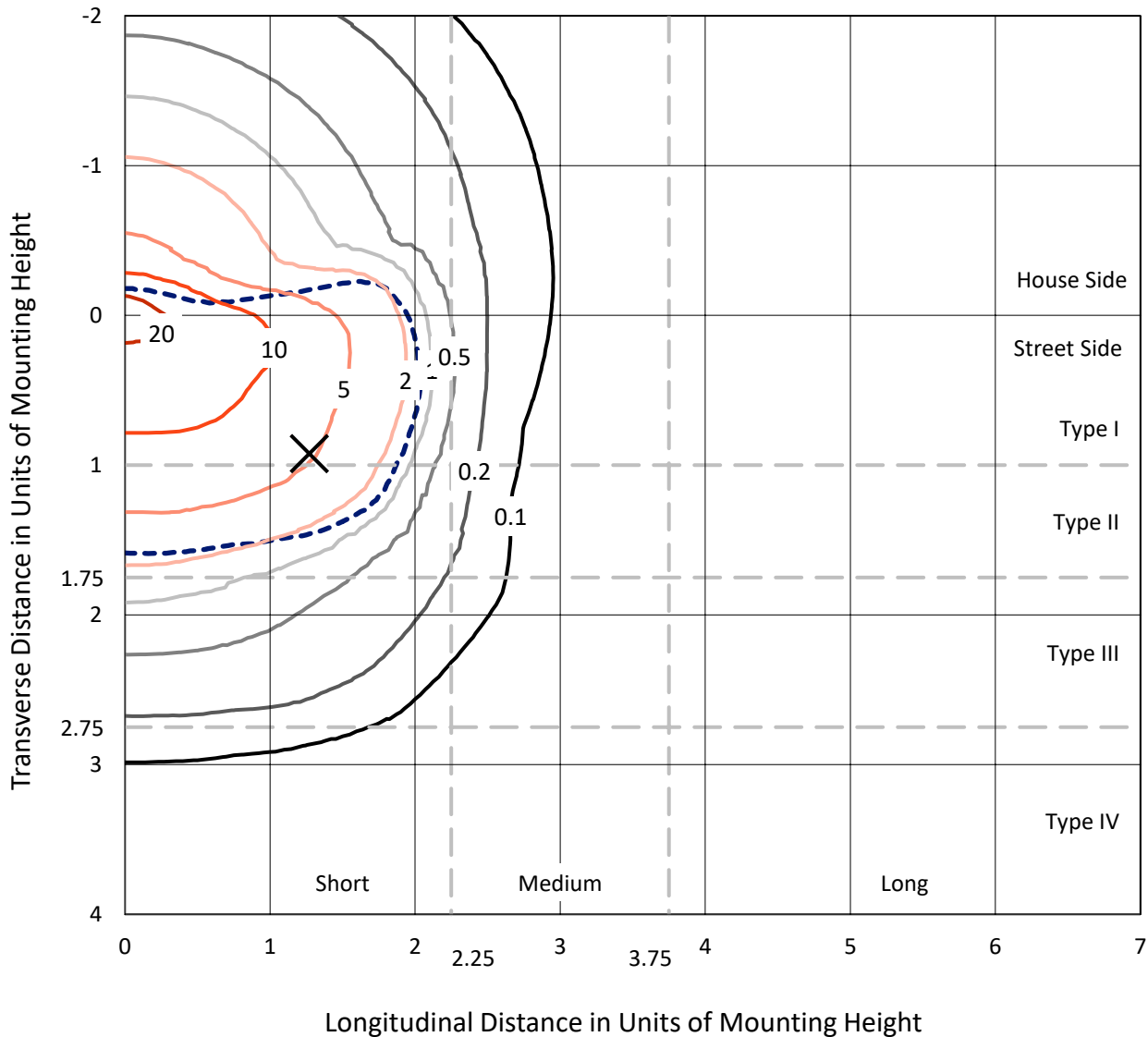
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

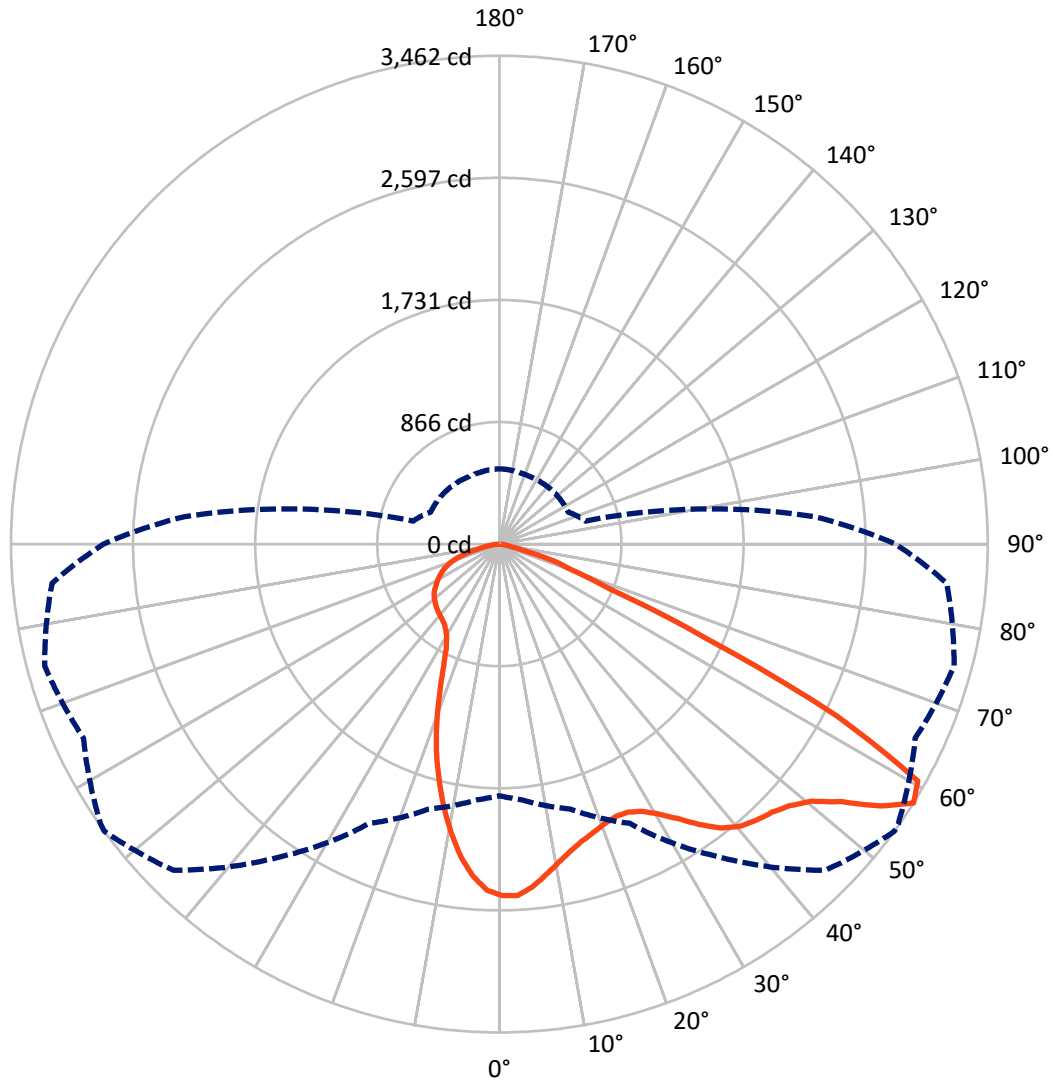
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 24.9 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	1887.1	0.0	1887.1
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	4604.2	0.0	4604.2
	% Fixture	70.9	0.0	70.9
Total	Lumens	6491.3	0.0	6491.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.1	3.4
10°-20°	522.7	8.1
20°-30°	723.3	11.1
30°-40°	1005.1	15.5
40°-50°	1327.4	20.4
50°-60°	1577.4	24.3
60°-70°	873.9	13.5
70°-80°	217.6	3.4
80°-90°	24.8	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°	6491.3	100.0
0°-180°	6491.3	100.0

Coefficient of Utilization



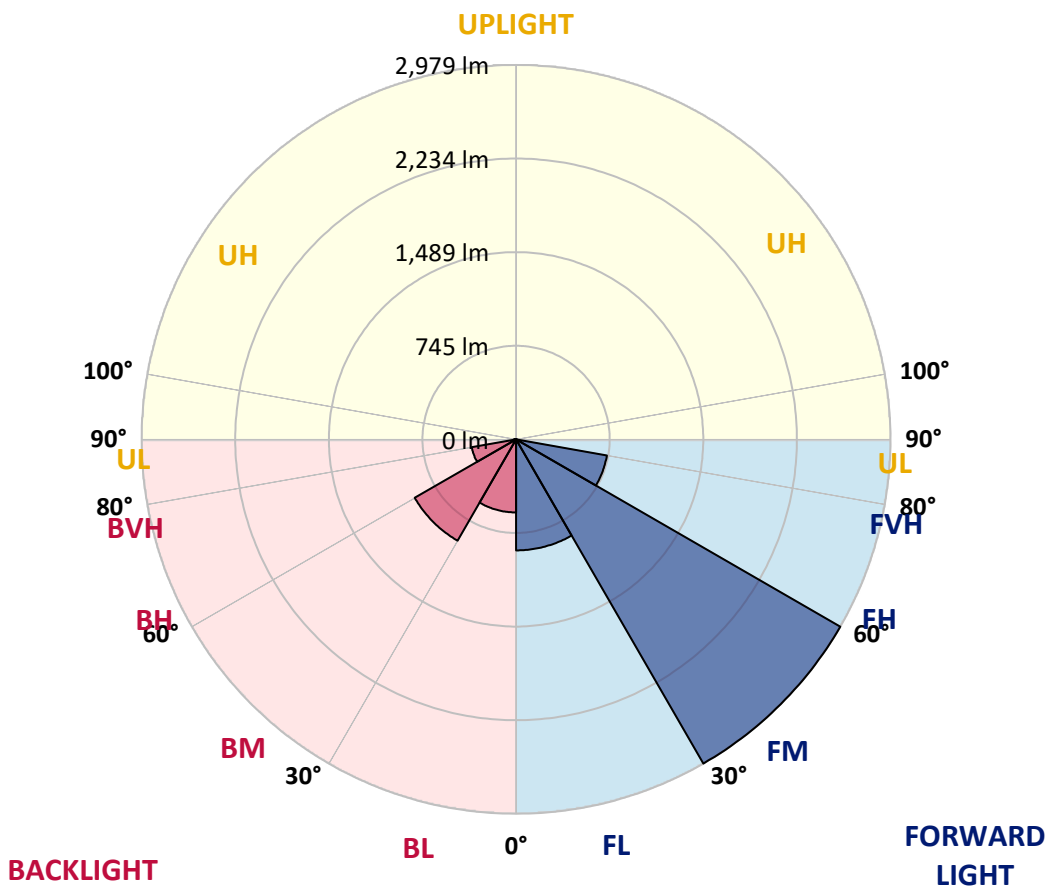
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	883.6	13.6			
FM (30°-60°)	2979.0	45.9			
FH (60°-80°)	733.9	11.3			G1/1800
FVH (80°-90°)	7.7	0.1			G0/10
BL (0°-30°)	581.5	9.0	B2/1000		
BM (30°-60°)	930.9	14.3	B1/1000		
BH (60°-80°)	357.6	5.5	B1/500		G1/500
BVH (80°-90°)	17.0	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-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	2492.2	2492.2	2492.2	2492.2	2492.2	2492.2	2492.2	2492.2	2492.2	2492.2	2492.2
2.5°	2445.5	2450.5	2453.8	2465.5	2475.5	2484.4	2493.8	2493.8	2493.3	2491.6	2488.3
5°	2348.8	2354.4	2362.1	2378.2	2399.9	2415.5	2441.0	2443.3	2454.4	2458.8	2456.6
7.5°	2236.6	2238.2	2248.2	2269.3	2303.8	2331.6	2368.2	2372.7	2399.4	2414.9	2412.1
10°	2113.7	2108.2	2126.0	2157.1	2202.1	2248.8	2296.0	2299.9	2342.7	2372.1	2369.9
12.5°	2001.5	2002.1	2019.8	2057.6	2113.7	2171.5	2234.9	2243.8	2296.6	2334.3	2330.5
15°	1907.6	1909.8	1931.5	1974.3	2038.2	2107.1	2186.0	2194.3	2261.0	2311.0	2299.9
17.5°	1832.6	1834.8	1853.7	1902.6	1970.9	2054.3	2150.4	2158.8	2241.6	2301.0	2278.2
20°	1780.9	1779.8	1798.1	1844.8	1915.4	2006.0	2119.3	2131.5	2235.4	2304.9	2263.8
22.5°	1759.8	1759.2	1772.6	1810.9	1877.0	1968.7	2100.4	2117.1	2242.1	2322.1	2254.9
25°	1770.3	1768.1	1779.8	1808.1	1860.9	1954.3	2106.0	2123.8	2270.4	2357.7	2256.6
27.5°	1803.1	1800.4	1810.4	1835.9	1875.9	1969.3	2144.9	2165.4	2330.5	2422.7	2278.8
30°	1853.1	1851.5	1861.5	1885.9	1920.9	2019.3	2219.3	2242.7	2423.3	2523.8	2327.1
32.5°	1911.5	1908.7	1926.5	1954.8	1995.4	2110.4	2319.3	2349.9	2533.3	2653.9	2408.3
35°	1977.1	1974.8	1999.3	2040.4	2098.7	2237.1	2440.5	2473.8	2645.5	2801.1	2516.1
37.5°	2041.0	2041.0	2088.2	2149.3	2222.7	2374.9	2554.4	2575.5	2723.3	2931.7	2631.6
40°	2097.6	2101.0	2172.1	2263.8	2357.1	2499.4	2629.4	2647.2	2757.8	3021.7	2732.2
42.5°	2160.4	2163.2	2246.0	2366.0	2477.2	2600.0	2675.0	2683.9	2764.4	3066.7	2803.3
45°	2210.4	2214.3	2317.1	2445.5	2581.6	2675.5	2711.1	2718.9	2773.9	3091.2	2855.0
47.5°	2236.6	2242.1	2359.9	2509.4	2652.2	2743.3	2770.5	2773.9	2812.8	3134.0	2917.2
50°	2232.1	2243.2	2376.0	2541.1	2704.4	2811.7	2866.1	2871.7	2892.2	3196.7	2990.0
52.5°	2271.6	2276.6	2410.5	2578.8	2778.9	2937.8	3032.3	3040.0	3030.6	3244.0	3033.4
55°	2206.0	2229.9	2367.7	2573.3	2892.2	3132.8	3278.4	3274.5	3156.2	3296.8	3105.6
57.5°	1784.2	1819.2	1945.4	2184.3	2705.5	3269.5	3462.3	3452.9	3253.4	3337.3	3184.0
60°	1235.2	1240.8	1354.7	1524.2	2088.2	2888.3	3408.4	3429.0	3271.2	3286.2	3038.9
62.5°	988.0	986.3	996.9	1001.3	1328.0	2030.4	2690.5	2765.5	2717.8	2560.5	2153.8
65°	843.5	849.6	880.7	864.6	866.8	1143.6	1607.5	1618.1	1584.8	1528.1	1139.1
67.5°	660.1	670.7	725.7	788.5	768.5	736.3	834.1	829.1	653.5	505.7	417.9
70°	413.4	420.1	479.0	619.0	669.0	604.6	536.2	534.0	350.1	287.8	315.6
72.5°	241.2	242.3	258.9	345.1	444.0	413.4	394.5	380.1	225.0	229.5	251.7
75°	132.8	132.8	132.2	148.9	175.0	155.0	150.0	146.1	150.6	170.6	187.3
77.5°	27.8	28.3	30.0	39.5	51.1	62.2	78.3	78.9	98.4	113.9	127.2
80°	12.8	13.3	16.7	21.1	27.2	36.1	47.8	48.3	59.5	71.7	80.6
82.5°	6.7	7.2	8.9	11.1	14.4	18.9	26.7	26.7	35.6	42.2	47.8
85°	2.2	2.2	3.3	4.4	6.1	7.8	10.6	10.6	15.6	20.6	23.9
87.5°	0.0	0.0	0.0	0.0	0.6	1.1	2.2	2.2	2.8	3.3	5.6
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°	2492.2	2492.2	2492.2	2492.2	2492.2	2492.2	2492.2	2492.2	2492.2	2492.2	2492.2
2.5°	2481.0	2463.8	2464.4	2467.7	2457.2	2441.0	2430.5	2417.1	2408.8	2407.1	2413.3
5°	2445.5	2425.5	2411.6	2397.1	2367.1	2331.6	2303.8	2281.0	2266.0	2260.4	2253.8
7.5°	2396.6	2370.5	2335.5	2294.9	2240.4	2177.1	2132.6	2091.0	2062.1	2053.7	2049.8
10°	2347.7	2309.9	2247.7	2172.1	2081.5	1995.9	1915.4	1853.7	1804.8	1777.0	1785.9
12.5°	2297.1	2250.4	2153.2	2037.1	1910.9	1782.0	1676.4	1574.2	1495.3	1455.8	1444.2
15°	2252.7	2189.3	2053.7	1896.5	1728.7	1566.4	1413.6	1260.2	1160.2	1105.8	1090.8
17.5°	2214.9	2132.6	1948.7	1753.1	1552.5	1321.4	1133.6	991.3	923.0	893.0	890.7
20°	2177.7	2077.1	1844.8	1598.6	1349.2	1090.2	922.4	855.7	831.3	820.7	820.2
22.5°	2144.3	2018.7	1735.3	1444.2	1146.9	916.3	824.1	795.2	788.5	788.5	787.4
25°	2116.0	1960.4	1623.1	1280.3	964.1	815.7	772.9	760.7	763.5	768.5	769.0
27.5°	2104.3	1914.8	1514.7	1111.9	837.9	757.4	737.9	736.3	744.0	751.8	752.9
30°	2116.5	1883.7	1403.6	950.7	762.4	721.8	712.9	716.3	725.7	733.5	733.5
32.5°	2154.3	1868.1	1290.3	832.9	718.5	696.8	694.0	697.4	704.6	709.0	709.6
35°	2218.2	1874.3	1173.0	753.5	690.1	678.5	677.9	680.1	682.9	685.7	686.2
37.5°	2298.8	1901.5	1047.4	707.4	671.8	665.1	664.0	663.5	664.0	664.0	664.6
40°	2377.7	1942.6	935.2	680.1	659.0	653.5	650.7	646.8	646.2	645.1	644.6
42.5°	2436.0	1974.3	845.7	660.7	647.3	640.7	637.3	631.2	630.7	630.1	629.6
45°	2479.9	2000.9	771.3	641.8	635.1	629.0	621.8	616.2	617.3	618.5	618.5
47.5°	2529.4	2024.3	716.8	624.0	620.1	614.0	605.1	601.2	605.1	609.0	609.0
50°	2589.4	2057.1	672.4	606.2	604.6	597.3	589.6	587.9	592.3	597.9	597.9
52.5°	2633.3	2085.4	640.7	588.4	588.4	579.0	572.3	571.8	576.8	582.3	582.9
55°	2715.5	2151.5	629.6	567.9	565.7	558.4	553.4	549.6	555.7	560.7	560.7
57.5°	2808.3	2239.3	632.3	538.4	535.7	533.4	529.5	525.1	526.8	532.3	532.9
60°	2611.6	2069.3	601.8	509.0	507.3	506.2	501.2	493.4	495.7	500.1	500.7
62.5°	1824.2	1375.3	486.8	472.3	477.9	477.3	470.6	461.8	462.3	468.4	468.4
65°	946.9	744.0	427.3	439.0	447.3	444.0	432.9	425.1	424.0	431.8	430.1
67.5°	408.4	406.2	389.0	404.0	412.9	405.6	394.0	381.2	382.3	385.1	382.9
70°	329.0	339.0	346.2	362.3	369.5	356.2	343.4	336.2	330.1	329.5	325.6
72.5°	262.8	276.7	292.8	309.5	311.7	298.4	282.3	275.6	266.2	265.6	261.7
75°	197.8	209.5	222.3	235.6	235.6	222.8	212.3	208.9	197.8	194.5	191.1
77.5°	135.0	142.3	152.3	155.6	158.9	153.9	143.4	137.8	125.0	121.7	117.2
80°	85.0	90.0	96.1	98.4	101.7	95.6	87.2	81.1	72.2	69.5	67.2
82.5°	51.1	54.5	58.3	59.5	62.2	57.8	50.0	45.6	40.6	38.3	36.7
85°	26.1	27.8	30.0	30.6	30.0	25.6	22.8	20.6	17.2	16.7	15.6
87.5°	6.7	7.8	8.3	7.8	7.2	5.6	3.9	2.8	1.1	1.1	0.6
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)