

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: P630829

Luminaire Tested: GWS-SA1E-740-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630829
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6345.8 lumens
Efficiency: N/A
Efficacy: 108.7 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

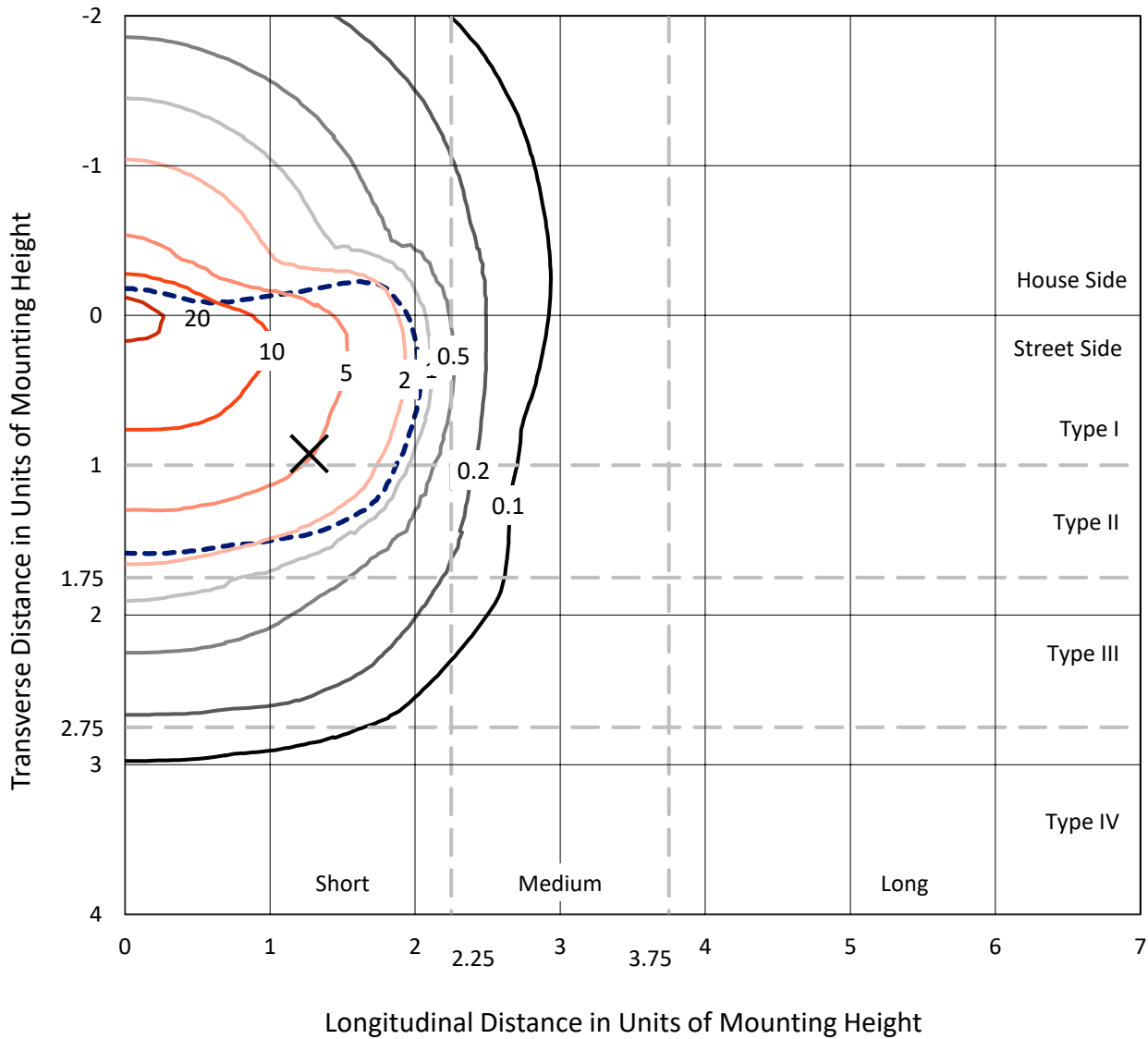
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

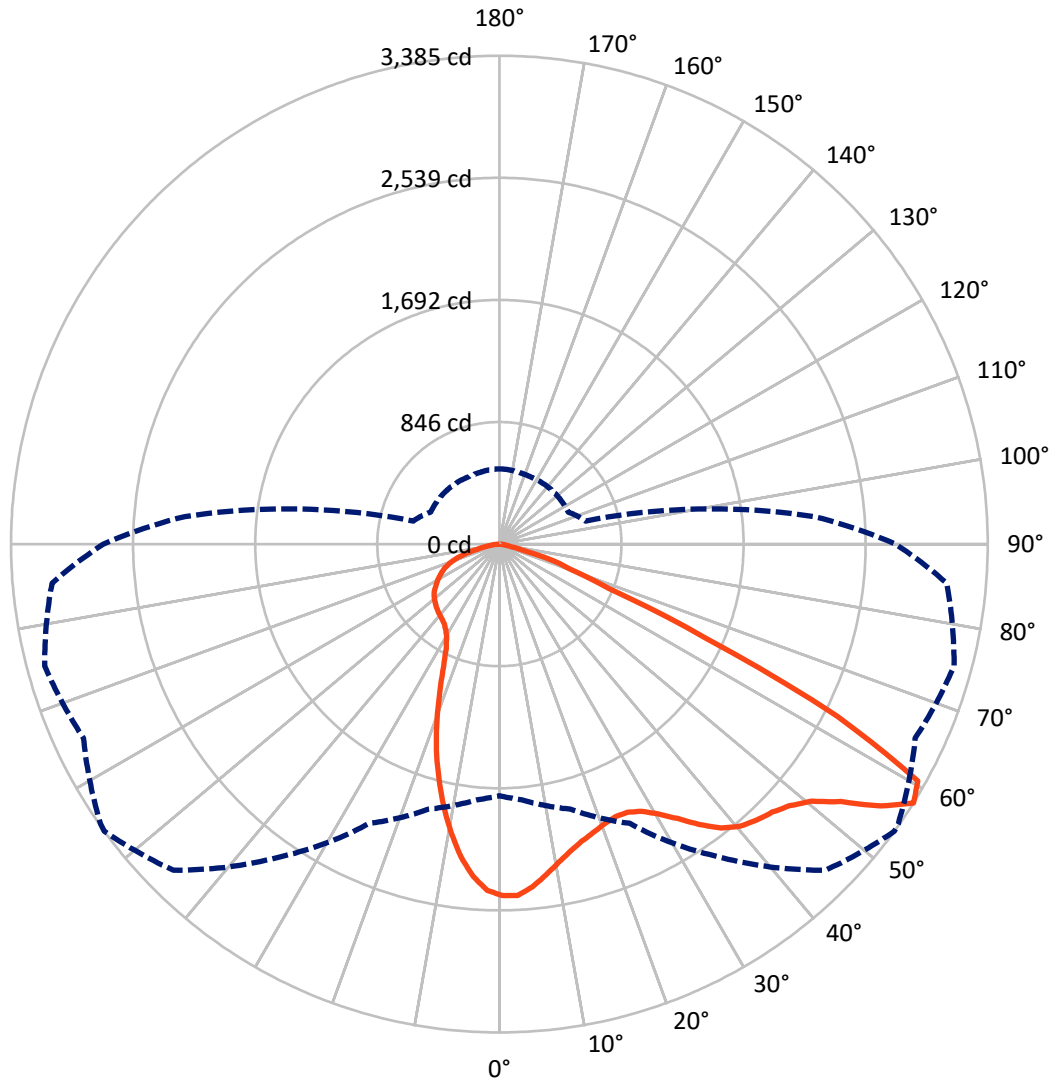
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 24.4 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	1844.8	0.0	1844.8
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	4501.0	0.0	4501.0
	% Fixture	70.9	0.0	70.9
Total	Lumens	6345.8	0.0	6345.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.1	3.4
10°-20°	511.0	8.1
20°-30°	707.1	11.1
30°-40°	982.6	15.5
40°-50°	1297.7	20.4
50°-60°	1542.1	24.3
60°-70°	854.3	13.5
70°-80°	212.7	3.4
80°-90°	24.2	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°	6345.8	100.0
0°-180°	6345.8	100.0

Coefficient of Utilization



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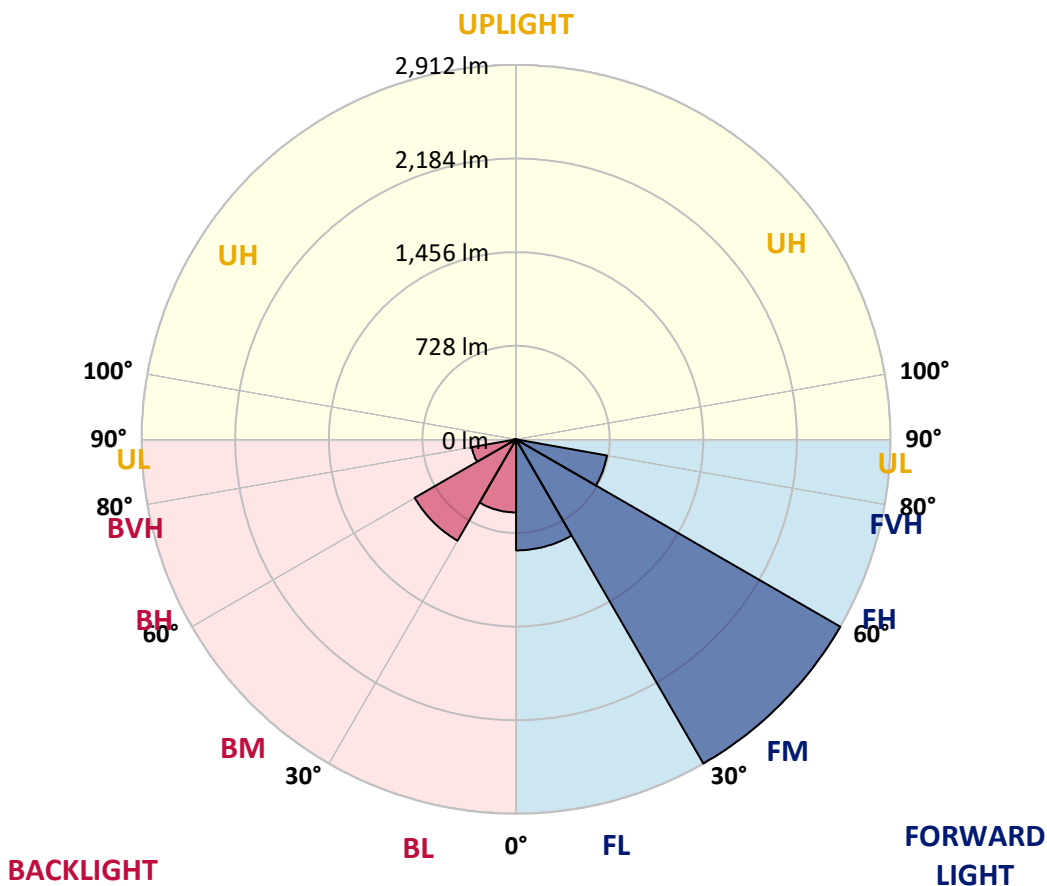
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	863.8	13.6			
FM (30°-60°)	2912.2	45.9			
FH (60°-80°)	717.5	11.3			G1/1800
FVH (80°-90°)	7.6	0.1			G0/10
BL (0°-30°)	568.5	9.0	B2/1000		
BM (30°-60°)	910.1	14.3	B1/1000		
BH (60°-80°)	349.6	5.5	B1/500		G1/500
BVH (80°-90°)	16.6	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°	2436.3	2436.3	2436.3	2436.3	2436.3	2436.3	2436.3	2436.3	2436.3	2436.3	2436.3
2.5°	2390.7	2395.6	2398.8	2410.2	2420.0	2428.7	2437.9	2437.9	2437.4	2435.8	2432.5
5°	2296.1	2301.6	2309.2	2324.9	2346.1	2361.3	2386.3	2388.5	2399.4	2403.7	2401.5
7.5°	2186.4	2188.0	2197.8	2218.5	2252.1	2279.3	2315.2	2319.5	2345.6	2360.8	2358.1
10°	2066.4	2060.9	2078.3	2108.7	2152.7	2198.4	2244.5	2248.3	2290.2	2319.0	2316.8
12.5°	1956.6	1957.2	1974.6	2011.5	2066.4	2122.9	2184.8	2193.5	2245.1	2282.0	2278.2
15°	1864.8	1867.0	1888.2	1930.0	1992.5	2059.9	2137.0	2145.1	2210.3	2259.2	2248.3
17.5°	1791.5	1793.7	1812.1	1860.0	1926.8	2008.2	2102.2	2110.4	2191.3	2249.4	2227.2
20°	1741.0	1739.9	1757.8	1803.5	1872.4	1961.0	2071.8	2083.8	2185.3	2253.2	2213.0
22.5°	1720.3	1719.8	1732.8	1770.3	1835.0	1924.6	2053.3	2069.6	2191.9	2270.1	2204.3
25°	1730.7	1728.5	1739.9	1767.6	1819.2	1910.5	2058.8	2076.1	2219.6	2304.8	2206.0
27.5°	1762.7	1760.0	1769.8	1794.8	1833.9	1925.1	2096.8	2116.9	2278.2	2368.4	2227.7
30°	1811.6	1810.0	1819.8	1843.7	1877.9	1974.0	2169.6	2192.4	2368.9	2467.3	2275.0
32.5°	1868.6	1865.9	1883.3	1911.0	1950.7	2063.1	2267.4	2297.2	2476.5	2594.4	2354.3
35°	1932.7	1930.6	1954.5	1994.7	2051.7	2187.0	2385.8	2418.4	2586.2	2738.3	2459.7
37.5°	1995.2	1995.2	2041.4	2101.1	2172.8	2321.7	2497.1	2517.8	2662.3	2866.0	2572.6
40°	2050.6	2053.9	2123.4	2213.0	2304.3	2443.4	2570.5	2587.9	2696.0	2954.0	2671.0
42.5°	2112.0	2114.7	2195.7	2313.0	2421.6	2541.7	2615.0	2623.7	2702.5	2998.0	2740.5
45°	2160.9	2164.7	2265.2	2390.7	2523.8	2615.6	2650.3	2657.9	2711.7	3021.9	2791.0
47.5°	2186.4	2191.9	2307.0	2453.1	2592.7	2681.8	2708.4	2711.7	2749.7	3063.7	2851.9
50°	2182.1	2192.9	2322.8	2484.1	2643.8	2748.6	2801.9	2807.3	2827.4	3125.1	2923.0
52.5°	2220.6	2225.5	2356.4	2521.0	2716.6	2872.0	2964.3	2971.9	2962.7	3171.3	2965.4
55°	2156.5	2179.9	2314.6	2515.6	2827.4	3062.6	3204.9	3201.1	3085.4	3222.9	3036.0
57.5°	1744.2	1778.5	1901.8	2135.4	2644.9	3196.2	3384.7	3375.5	3180.5	3262.5	3112.6
60°	1207.6	1213.0	1324.3	1490.0	2041.4	2823.6	3332.0	3352.1	3197.9	3212.5	2970.8
62.5°	965.8	964.2	974.5	978.9	1298.3	1984.9	2630.2	2703.6	2656.8	2503.1	2105.5
65°	824.6	830.6	861.0	845.2	847.4	1117.9	1571.5	1581.8	1549.2	1493.8	1113.6
67.5°	645.3	655.7	709.4	770.8	751.3	719.8	815.4	810.5	638.8	494.3	408.5
70°	404.1	410.7	468.2	605.1	654.0	591.0	524.2	522.0	342.2	281.4	308.5
72.5°	235.8	236.8	253.1	337.3	434.0	404.1	385.7	371.6	220.0	224.3	246.1
75°	129.8	129.8	129.3	145.6	171.1	151.6	146.7	142.9	147.2	166.8	183.1
77.5°	27.2	27.7	29.3	38.6	50.0	60.8	76.6	77.1	96.1	111.4	124.4
80°	12.5	13.0	16.3	20.6	26.6	35.3	46.7	47.3	58.1	70.1	78.8
82.5°	6.5	7.1	8.7	10.9	14.1	18.5	26.1	26.1	34.8	41.3	46.7
85°	2.2	2.2	3.3	4.3	6.0	7.6	10.3	10.3	15.2	20.1	23.4
87.5°	0.0	0.0	0.0	0.0	0.5	1.1	2.2	2.2	2.7	3.3	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°	2436.3	2436.3	2436.3	2436.3	2436.3	2436.3	2436.3	2436.3	2436.3	2436.3	2436.3
2.5°	2425.4	2408.6	2409.1	2412.4	2402.1	2386.3	2376.0	2363.0	2354.8	2353.2	2359.2
5°	2390.7	2371.1	2357.5	2343.4	2314.1	2279.3	2252.1	2229.9	2215.2	2209.8	2203.3
7.5°	2342.9	2317.3	2283.1	2243.5	2190.2	2128.3	2084.8	2044.1	2015.9	2007.7	2003.9
10°	2295.1	2258.1	2197.3	2123.4	2034.9	1951.2	1872.4	1812.1	1764.3	1737.2	1745.9
12.5°	2245.6	2200.0	2104.9	1991.4	1868.1	1742.1	1638.9	1538.9	1461.8	1423.2	1411.8
15°	2202.2	2140.2	2007.7	1854.0	1689.9	1531.3	1381.9	1232.0	1134.2	1081.0	1066.3
17.5°	2165.2	2084.8	1905.0	1713.8	1517.7	1291.8	1108.1	969.1	902.3	872.9	870.8
20°	2128.8	2030.5	1803.5	1562.8	1318.9	1065.8	901.7	836.5	812.6	802.3	801.8
22.5°	2096.2	1973.5	1696.4	1411.8	1121.2	895.8	805.6	777.3	770.8	770.8	769.7
25°	2068.5	1916.4	1586.7	1251.6	942.5	797.4	755.6	743.7	746.4	751.3	751.8
27.5°	2057.1	1871.9	1480.8	1087.0	819.2	740.4	721.4	719.8	727.4	735.0	736.0
30°	2069.1	1841.5	1372.1	929.4	745.3	705.6	696.9	700.2	709.4	717.0	717.0
32.5°	2106.0	1826.3	1261.3	814.3	702.4	681.2	678.5	681.7	688.8	693.1	693.7
35°	2168.5	1832.2	1146.7	736.6	674.7	663.3	662.7	664.9	667.6	670.3	670.9
37.5°	2247.3	1858.9	1024.0	691.5	656.7	650.2	649.1	648.6	649.1	649.1	649.7
40°	2324.4	1899.1	914.2	664.9	644.2	638.8	636.1	632.3	631.8	630.7	630.1
42.5°	2381.4	1930.0	826.8	645.9	632.8	626.3	623.1	617.1	616.5	616.0	615.5
45°	2424.3	1956.1	754.0	627.4	620.9	614.9	607.9	602.4	603.5	604.6	604.6
47.5°	2472.7	1978.9	700.7	610.0	606.2	600.2	591.6	587.8	591.6	595.4	595.4
50°	2531.4	2011.0	657.3	592.6	591.0	584.0	576.3	574.7	579.1	584.5	584.5
52.5°	2574.3	2038.7	626.3	575.3	575.3	566.0	559.5	559.0	563.9	569.3	569.8
55°	2654.7	2103.3	615.5	555.2	553.0	545.9	541.0	537.2	543.2	548.1	548.1
57.5°	2745.4	2189.1	618.2	526.4	523.7	521.5	517.7	513.3	515.0	520.4	520.9
60°	2553.1	2022.9	588.3	497.6	496.0	494.9	490.0	482.4	484.5	488.9	489.4
62.5°	1783.4	1344.4	475.9	461.7	467.2	466.6	460.1	451.4	452.0	457.9	457.9
65°	925.6	727.4	417.7	429.1	437.3	434.0	423.2	415.6	414.5	422.1	420.4
67.5°	399.3	397.1	380.2	394.9	403.6	396.5	385.1	372.6	373.7	376.4	374.3
70°	321.6	331.4	338.4	354.2	361.2	348.2	335.7	328.6	322.7	322.1	318.3
72.5°	256.9	270.5	286.3	302.6	304.7	291.7	276.0	269.4	260.2	259.7	255.9
75°	193.4	204.8	217.3	230.3	230.3	217.8	207.5	204.2	193.4	190.1	186.9
77.5°	132.0	139.1	148.8	152.1	155.4	150.5	140.1	134.7	122.2	119.0	114.6
80°	83.1	88.0	94.0	96.1	99.4	93.4	85.3	79.3	70.6	67.9	65.7
82.5°	50.0	53.2	57.0	58.1	60.8	56.5	48.9	44.5	39.7	37.5	35.9
85°	25.5	27.2	29.3	29.9	29.3	25.0	22.3	20.1	16.8	16.3	15.2
87.5°	6.5	7.6	8.1	7.6	7.1	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)