

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: P630770

Luminaire Tested: GWS-SA1E-735-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630770
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6365.5 lumens
Efficiency: N/A
Efficacy: 109.0 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

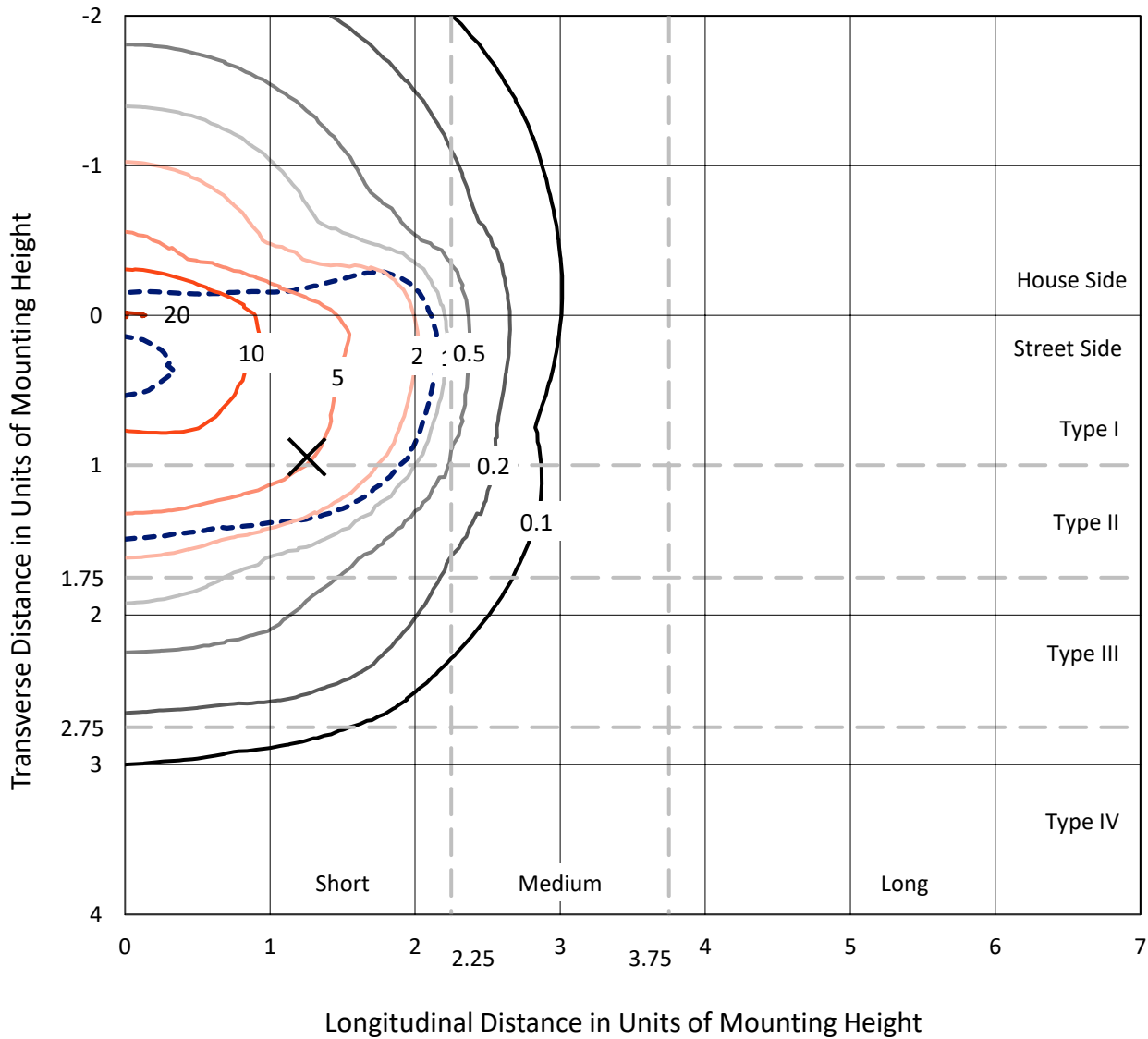
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

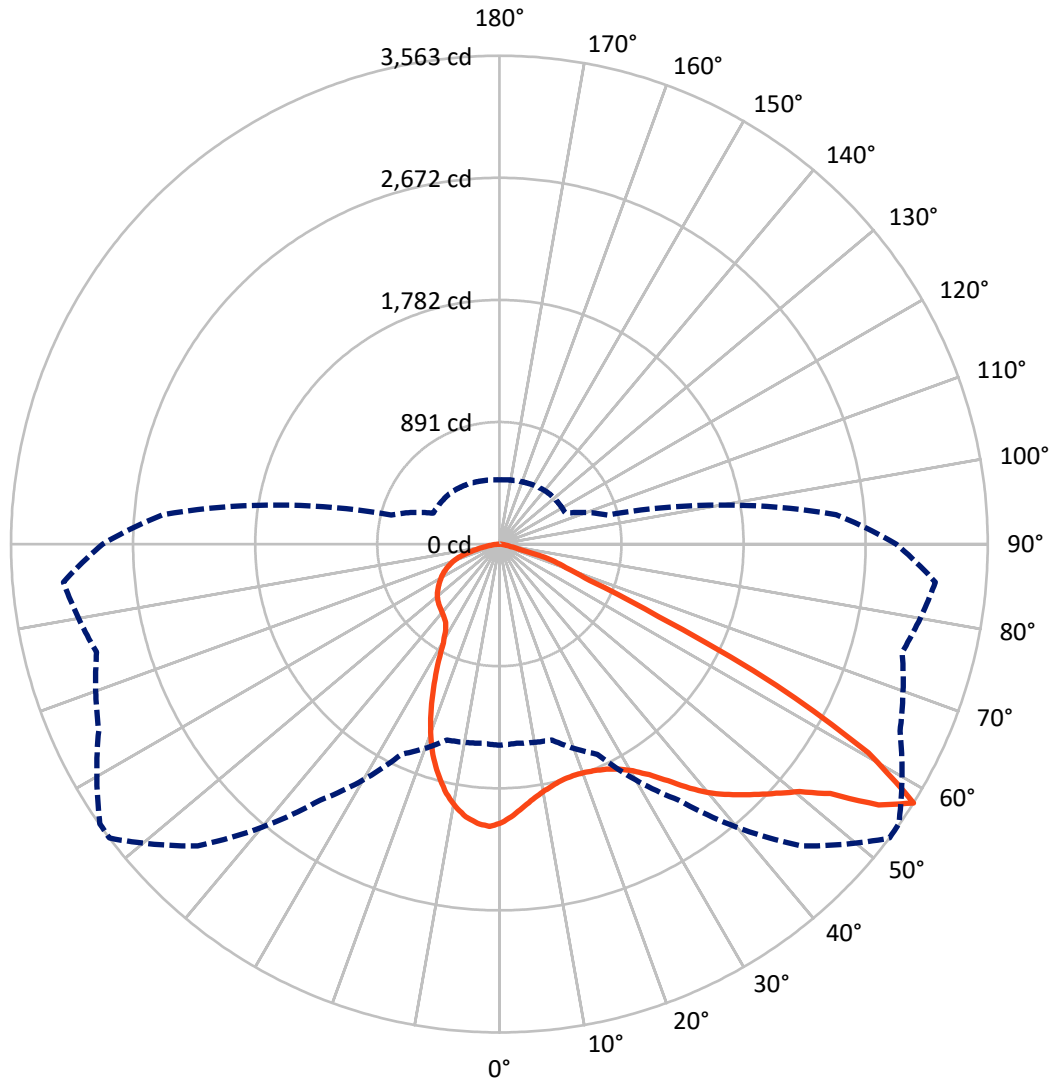
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20.3 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	1990.3	0.0	1990.3
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	4375.2	0.0	4375.2
	% Fixture	68.7	0.0	68.7
Total	Lumens	6365.5	0.0	6365.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.8	2.9
10°-20°	482.2	7.6
20°-30°	710.5	11.2
30°-40°	994.5	15.6
40°-50°	1307.4	20.5
50°-60°	1532.9	24.1
60°-70°	903.1	14.2
70°-80°	224.6	3.5
80°-90°	26.4	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°	6365.5	100.0
0°-180°	6365.5	100.0

Coefficient of Utilization



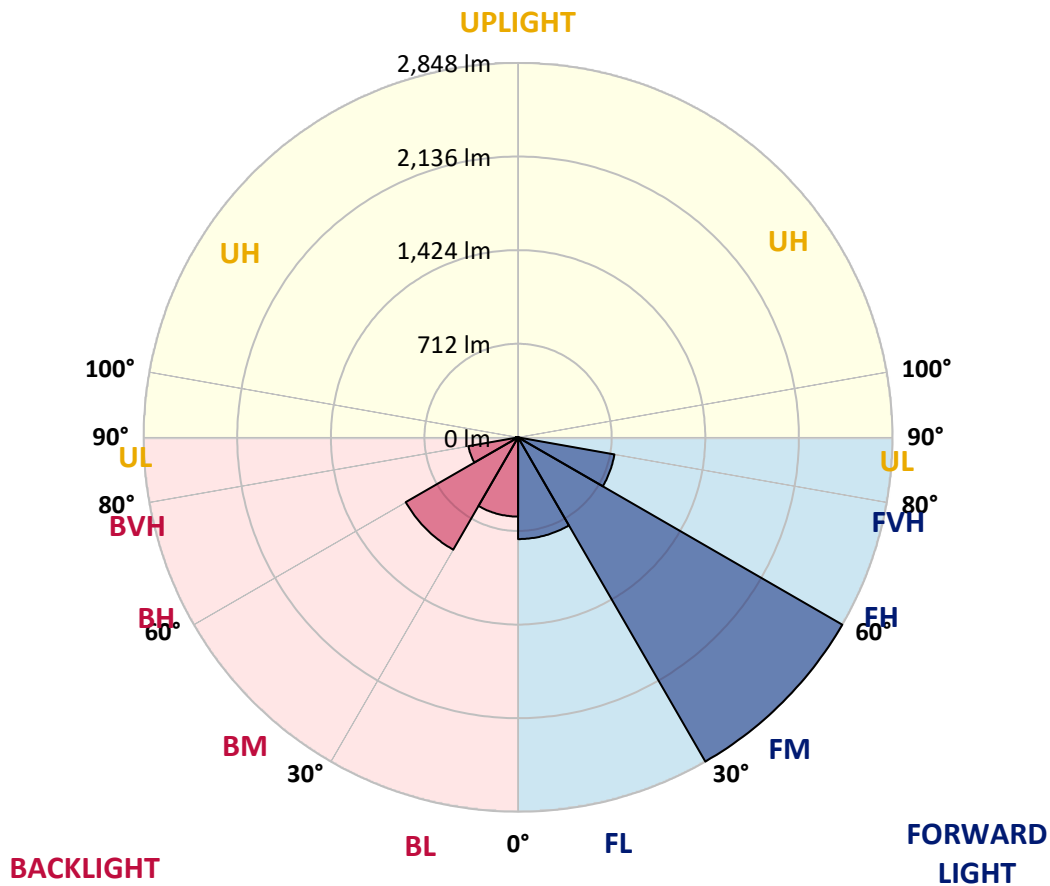
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	773.9	12.2			
FM (30°-60°)	2848.0	44.7			
FH (60°-80°)	744.5	11.7			G1/1800
FVH (80°-90°)	8.8	0.1			G0/10
BL (0°-30°)	602.7	9.5	B2/1000		
BM (30°-60°)	986.9	15.5	B1/1000		
BH (60°-80°)	383.2	6.0	B1/500		G1/500
BVH (80°-90°)	17.5	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°	2032.7	2032.7	2032.7	2032.7	2032.7	2032.7	2032.7	2032.7	2032.7	2032.7	2032.7
2.5°	1915.9	1921.2	1922.3	1938.9	1940.0	1964.1	1980.2	1977.0	1993.6	2013.9	2030.0
5°	1824.3	1824.8	1830.2	1850.0	1860.7	1892.3	1919.1	1919.1	1951.2	1993.0	2028.9
7.5°	1748.7	1748.2	1753.0	1775.0	1792.7	1830.7	1867.1	1871.4	1916.4	1977.5	2035.9
10°	1678.5	1682.3	1687.6	1714.4	1736.9	1784.1	1827.5	1834.4	1891.2	1966.8	2045.5
12.5°	1633.5	1634.1	1642.1	1672.1	1701.0	1751.4	1796.9	1805.5	1870.9	1956.6	2052.5
15°	1604.6	1605.1	1613.7	1646.9	1680.7	1731.6	1778.2	1787.8	1859.1	1955.0	2065.9
17.5°	1591.7	1591.2	1599.2	1632.5	1669.4	1722.5	1772.3	1784.1	1864.4	1967.3	2089.5
20°	1591.7	1592.3	1596.6	1626.6	1664.1	1720.3	1778.2	1792.7	1885.3	1995.2	2125.9
22.5°	1614.2	1616.4	1618.5	1638.9	1668.4	1723.5	1793.7	1813.0	1930.3	2041.8	2173.6
25°	1658.2	1658.7	1660.9	1677.5	1690.9	1732.7	1819.4	1848.4	2000.5	2109.8	2233.6
27.5°	1717.1	1724.6	1726.8	1737.5	1737.5	1755.2	1859.6	1901.4	2095.4	2207.9	2310.2
30°	1799.6	1802.3	1806.0	1817.8	1805.0	1797.5	1918.6	1972.1	2205.2	2326.3	2402.4
32.5°	1871.9	1877.8	1898.2	1917.5	1894.4	1870.9	2005.4	2068.6	2310.7	2449.5	2500.4
35°	1933.6	1948.0	1987.1	2030.0	2013.9	1990.4	2120.5	2186.4	2397.5	2537.9	2587.2
37.5°	2008.0	2019.3	2072.9	2142.5	2157.0	2145.7	2260.9	2308.1	2455.4	2560.4	2634.3
40°	2083.6	2100.7	2169.8	2266.3	2321.5	2329.5	2390.6	2422.2	2475.2	2516.5	2625.2
42.5°	2160.7	2190.2	2285.0	2397.5	2495.6	2513.8	2499.9	2513.3	2468.8	2455.9	2582.9
45°	2255.0	2289.8	2397.0	2540.6	2669.7	2698.1	2607.0	2594.7	2467.7	2432.9	2556.7
47.5°	2366.5	2401.3	2503.6	2670.8	2835.8	2856.7	2716.8	2694.3	2505.2	2468.2	2592.0
50°	2465.0	2489.1	2580.8	2767.7	2990.6	3002.9	2837.9	2810.6	2598.4	2566.3	2702.4
52.5°	2364.8	2362.2	2458.6	2689.0	3071.0	3219.4	3024.4	2998.1	2778.5	2729.2	2873.3
55°	2006.4	1975.9	2062.1	2288.8	2846.5	3411.7	3358.7	3306.2	3018.5	2893.1	3033.5
57.5°	1466.9	1458.3	1479.2	1691.9	2280.2	3113.8	3563.3	3558.5	3225.8	3043.1	3193.1
60°	1147.1	1134.2	1078.5	1084.4	1554.2	2432.4	3092.4	3234.4	3354.4	3133.1	3304.6
62.5°	1018.5	1008.8	979.9	900.1	925.8	1630.9	2266.8	2397.0	2931.1	2767.2	2838.5
65°	843.3	840.6	864.7	861.5	775.8	900.6	1279.4	1410.7	1843.0	1866.1	1843.0
67.5°	612.9	608.1	669.2	789.7	746.9	679.9	713.1	758.6	945.1	848.6	764.0
70°	398.6	391.6	427.0	570.6	668.6	592.6	513.8	506.3	519.7	323.1	349.3
72.5°	267.3	259.3	258.8	314.0	404.0	399.1	398.1	394.3	352.0	255.0	282.9
75°	148.9	142.5	140.9	135.5	144.7	147.3	157.0	162.3	175.7	193.4	214.3
77.5°	25.2	24.6	31.1	39.6	54.6	70.2	86.8	91.6	113.0	133.9	147.3
80°	13.9	14.5	18.8	23.0	30.5	41.8	53.6	56.8	69.6	80.9	91.6
82.5°	7.5	7.5	9.6	12.3	16.6	22.0	28.9	31.6	40.2	47.1	54.6
85°	2.7	2.7	3.8	4.8	7.0	9.1	11.3	12.9	17.7	24.1	27.3
87.5°	0.0	0.0	0.0	0.0	0.5	1.1	2.1	2.1	2.7	4.8	7.0
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°	2032.7	2032.7	2032.7	2032.7	2032.7	2032.7	2032.7	2032.7	2032.7	2032.7	2032.7
2.5°	2043.4	2028.9	2048.7	2057.9	2061.1	2063.2	2049.3	2039.6	2036.4	2026.2	2020.4
5°	2050.9	2041.2	2060.0	2060.0	2046.6	2032.7	2004.3	1984.5	1970.5	1953.9	1951.2
7.5°	2063.8	2056.8	2067.0	2046.1	2012.3	1974.8	1925.5	1886.9	1855.9	1835.5	1836.1
10°	2080.9	2072.3	2064.3	2017.7	1956.1	1886.9	1811.4	1755.2	1703.7	1680.1	1667.3
12.5°	2092.1	2079.8	2046.1	1968.9	1878.4	1785.7	1679.1	1595.5	1521.0	1487.3	1484.6
15°	2106.1	2083.6	2016.1	1905.7	1779.8	1653.4	1516.2	1399.9	1299.2	1246.7	1244.0
17.5°	2124.3	2087.3	1980.2	1833.4	1675.9	1489.4	1316.9	1170.6	1063.5	1022.8	1029.7
20°	2150.0	2091.6	1939.5	1753.0	1546.7	1303.0	1088.1	953.7	912.4	909.7	904.4
22.5°	2178.9	2094.3	1894.4	1663.0	1390.3	1104.2	899.0	841.7	841.1	854.5	857.8
25°	2211.6	2096.4	1843.6	1558.0	1221.0	906.0	795.1	777.9	791.3	816.5	819.7
27.5°	2253.4	2100.7	1781.9	1442.8	1041.0	782.7	737.7	733.5	749.5	773.1	772.0
30°	2315.0	2116.3	1716.6	1310.5	856.1	724.3	702.9	703.5	709.9	721.1	722.7
32.5°	2377.7	2140.4	1652.8	1161.5	750.1	691.1	681.5	680.4	680.4	685.2	686.3
35°	2437.2	2167.7	1583.7	1006.2	698.6	671.8	665.4	662.2	660.6	659.5	657.9
37.5°	2470.4	2181.1	1516.2	852.9	671.3	659.0	652.6	648.3	642.4	638.1	637.0
40°	2455.9	2165.5	1438.0	738.3	654.7	646.7	639.2	633.3	625.2	621.5	619.3
42.5°	2407.7	2117.3	1352.8	684.2	641.3	633.3	624.2	614.5	609.2	605.9	605.4
45°	2356.8	2058.9	1249.9	652.6	628.4	618.8	608.1	597.4	591.5	589.9	589.3
47.5°	2355.2	2030.0	1140.6	627.4	612.9	603.3	589.9	579.2	572.7	570.6	568.4
50°	2425.9	2059.5	1017.4	605.4	596.8	586.7	571.7	559.9	551.8	549.2	548.6
52.5°	2572.7	2170.4	907.0	583.4	575.4	563.6	551.3	539.5	529.9	525.0	524.5
55°	2731.3	2311.3	838.5	560.9	550.2	540.0	528.8	515.9	505.2	497.7	496.7
57.5°	2895.3	2465.0	817.6	532.5	524.5	517.5	504.2	490.2	477.9	470.9	469.3
60°	3030.3	2597.4	856.7	502.5	498.3	489.1	476.8	463.4	454.9	449.5	448.4
62.5°	2536.8	2114.6	691.7	469.9	469.9	460.2	446.3	436.6	430.8	427.0	425.9
65°	1610.0	1309.4	472.0	437.2	436.6	423.8	412.0	405.6	402.9	397.0	395.9
67.5°	701.3	598.4	403.4	404.0	401.8	387.9	376.1	371.3	365.9	359.5	359.0
70°	363.8	370.7	361.1	367.0	363.2	346.6	335.4	327.9	316.6	310.2	310.7
72.5°	293.6	301.1	311.8	320.9	312.9	299.5	281.8	272.7	258.2	251.3	251.8
75°	223.9	232.0	242.2	251.8	245.4	228.8	217.5	208.4	191.8	183.8	185.4
77.5°	154.3	158.6	170.9	170.4	168.2	163.4	146.8	136.1	118.9	109.3	110.4
80°	95.9	98.6	104.5	107.2	106.1	99.7	86.3	78.2	68.0	62.1	62.7
82.5°	57.9	59.5	64.8	65.4	64.8	60.0	49.8	43.9	37.5	34.3	34.3
85°	29.5	30.5	33.8	33.8	30.5	25.7	23.0	20.4	16.6	15.0	15.0
87.5°	8.0	8.0	10.2	8.6	7.0	6.4	3.2	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)