

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: P634070

Luminaire Tested: GWS-SA3B-722-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634070
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-SA3B-722-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6525.6 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

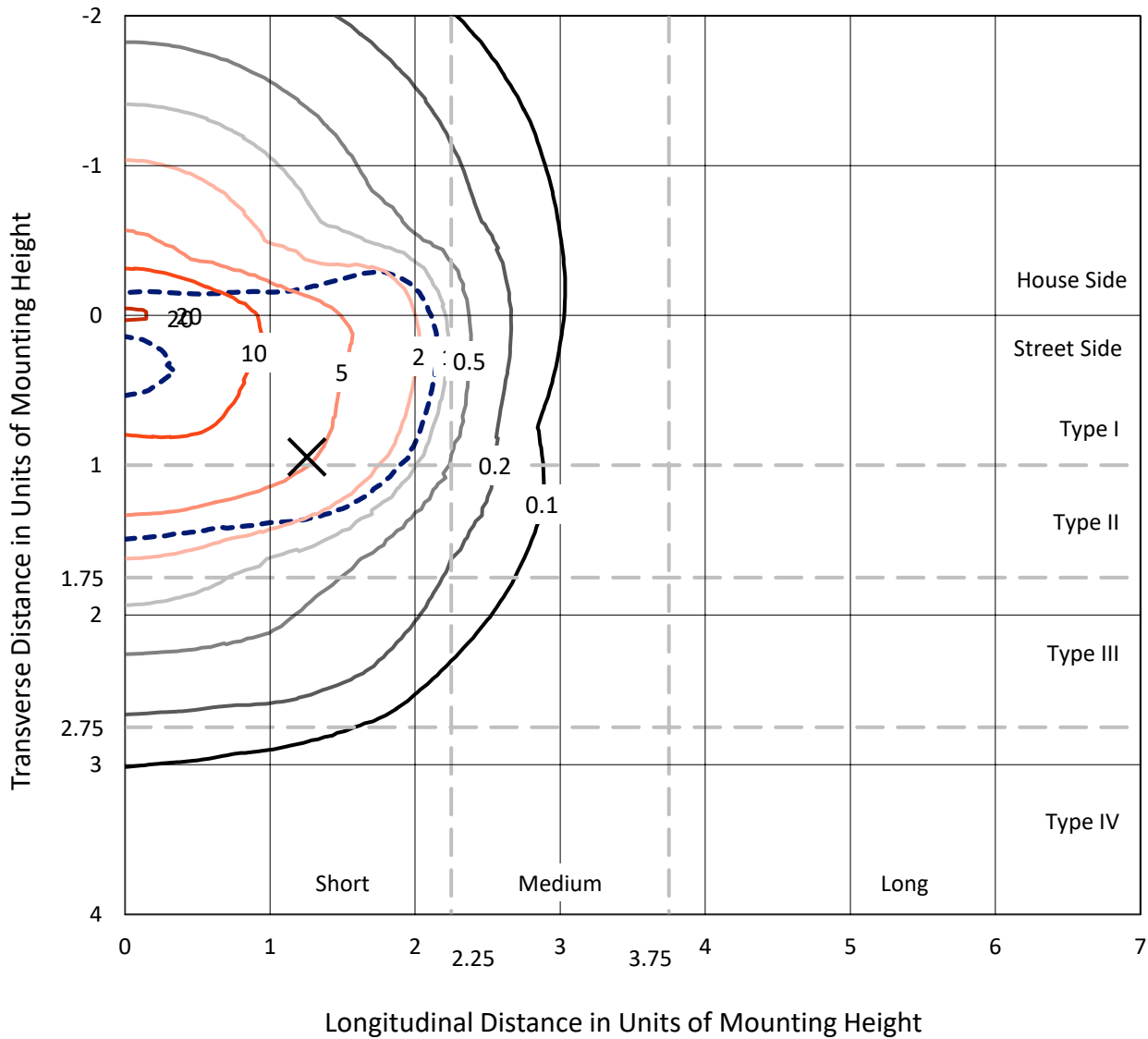
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

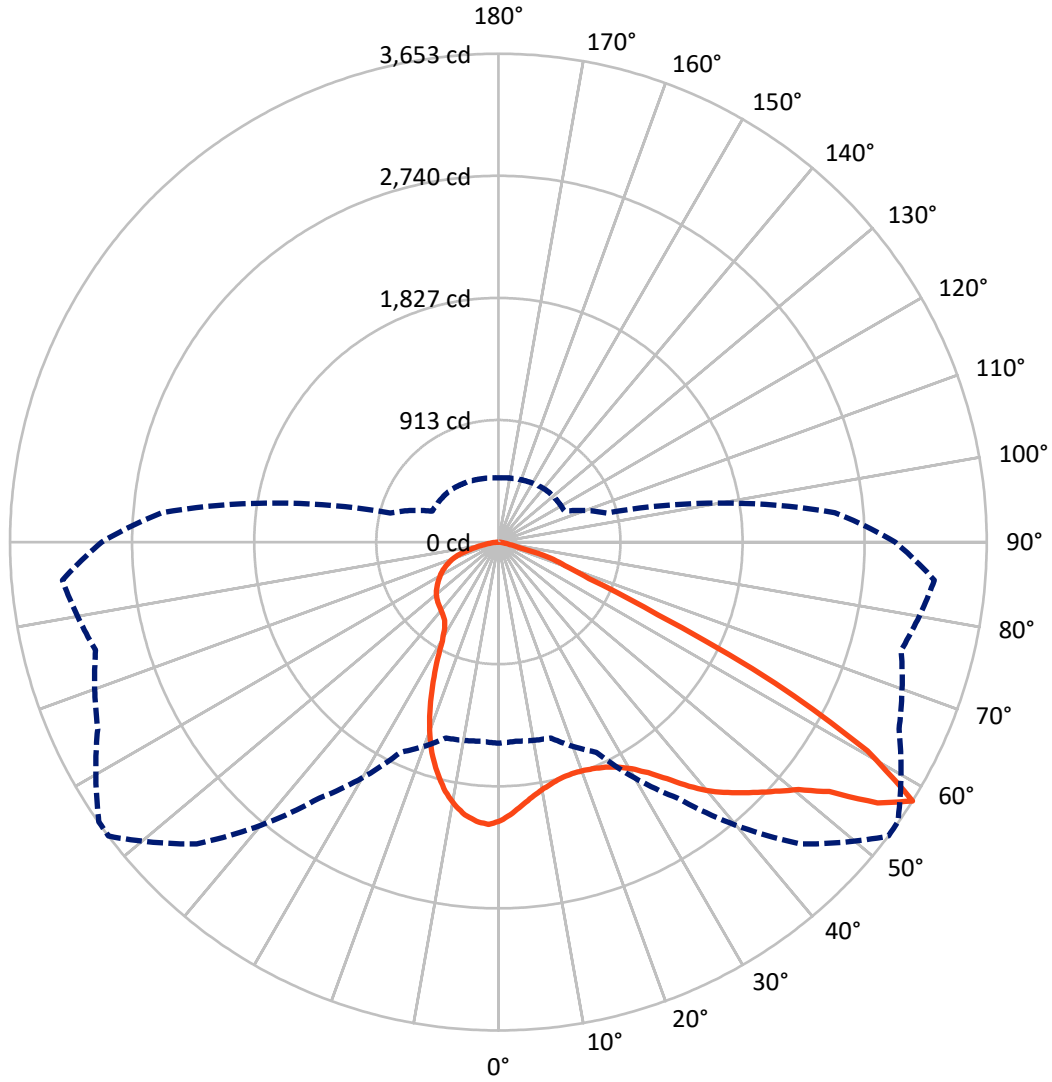
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20.8 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	2040.3	0.0	2040.3
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	4485.3	0.0	4485.3
	% Fixture	68.7	0.0	68.7
Total	Lumens	6525.6	0.0	6525.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.4	2.9
10°-20°	494.4	7.6
20°-30°	728.4	11.2
30°-40°	1019.6	15.6
40°-50°	1340.3	20.5
50°-60°	1571.5	24.1
60°-70°	925.8	14.2
70°-80°	230.3	3.5
80°-90°	27.0	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°	6525.6	100.0
0°-180°	6525.6	100.0

Coefficient of Utilization



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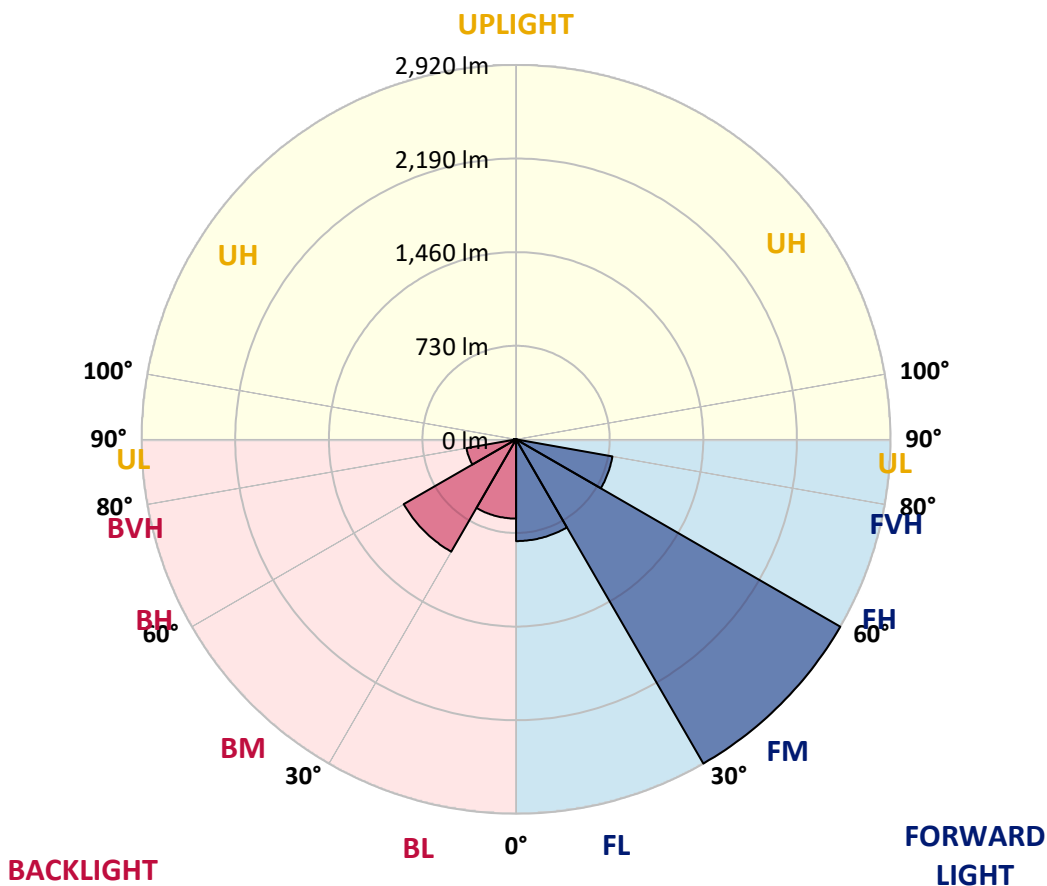
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	793.4	12.2			
FM (30°-60°)	2919.6	44.7			
FH (60°-80°)	763.2	11.7			G1/1800
FVH (80°-90°)	9.0	0.1			G0/10
BL (0°-30°)	617.8	9.5	B2/1000		
BM (30°-60°)	1011.7	15.5	B2/2500		
BH (60°-80°)	392.8	6.0	B1/500		G1/500
BVH (80°-90°)	18.0	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°	53°	55°	65°	75°	85°
0°	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8
2.5°	1964.1	1969.6	1970.7	1987.7	1988.8	2013.5	2030.0	2026.7	2043.7	2064.6	2081.1
5°	1870.1	1870.7	1876.2	1896.5	1907.5	1939.9	1967.4	1967.4	2000.3	2043.2	2080.0
7.5°	1792.7	1792.2	1797.1	1819.6	1837.7	1876.7	1914.1	1918.5	1964.6	2027.2	2087.1
10°	1720.8	1724.6	1730.1	1757.6	1780.6	1829.0	1873.4	1880.6	1938.8	2016.2	2097.0
12.5°	1674.6	1675.2	1683.4	1714.2	1743.8	1795.5	1842.1	1850.9	1917.9	2005.8	2104.1
15°	1645.0	1645.5	1654.3	1688.4	1723.0	1775.1	1822.9	1832.8	1905.8	2004.2	2117.9
17.5°	1631.8	1631.2	1639.5	1673.5	1711.4	1765.8	1816.9	1829.0	1911.3	2016.8	2142.0
20°	1631.8	1632.3	1636.7	1667.5	1705.9	1763.6	1822.9	1837.7	1932.8	2045.4	2179.4
22.5°	1654.8	1657.0	1659.2	1680.1	1710.3	1766.9	1838.8	1858.6	1978.9	2093.1	2228.2
25°	1699.9	1700.4	1702.6	1719.7	1733.4	1776.2	1865.2	1894.9	2050.8	2162.9	2289.8
27.5°	1760.3	1768.0	1770.2	1781.2	1781.2	1799.3	1906.4	1949.2	2148.1	2263.4	2368.3
30°	1844.9	1847.6	1851.5	1863.6	1850.4	1842.7	1966.8	2021.7	2260.7	2384.8	2462.8
32.5°	1919.0	1925.1	1945.9	1965.7	1942.1	1917.9	2055.8	2120.6	2368.9	2511.1	2563.3
35°	1982.2	1997.0	2037.1	2081.1	2064.6	2040.4	2173.9	2241.4	2457.8	2601.7	2652.3
37.5°	2058.5	2070.1	2125.0	2196.4	2211.2	2199.7	2317.8	2366.1	2517.1	2624.8	2700.6
40°	2136.0	2153.6	2224.4	2323.3	2379.8	2388.1	2450.7	2483.1	2537.5	2579.8	2691.3
42.5°	2215.1	2245.3	2342.5	2457.8	2558.3	2577.0	2562.7	2576.5	2530.9	2517.7	2647.9
45°	2311.7	2347.4	2457.3	2604.5	2736.8	2766.0	2672.6	2659.9	2529.8	2494.1	2621.0
47.5°	2426.0	2461.7	2566.6	2737.9	2907.1	2928.5	2785.2	2762.1	2568.2	2530.3	2657.2
50°	2527.0	2551.7	2645.7	2837.4	3065.8	3078.5	2909.3	2881.3	2663.8	2630.8	2770.3
52.5°	2424.3	2421.6	2520.4	2756.6	3148.2	3300.4	3100.4	3073.5	2848.3	2797.8	2945.6
55°	2056.9	2025.6	2114.0	2346.3	2918.1	3497.5	3443.2	3389.3	3094.4	2965.9	3109.8
57.5°	1503.8	1495.0	1516.4	1734.5	2337.5	3192.2	3653.0	3648.0	3306.9	3119.7	3273.4
60°	1175.9	1162.7	1105.6	1111.7	1593.3	2493.5	3170.2	3315.7	3438.8	3211.9	3387.7
62.5°	1044.1	1034.2	1004.6	922.7	949.1	1671.9	2323.8	2457.3	3004.9	2836.8	2909.9
65°	864.5	861.8	886.5	883.2	795.3	923.3	1311.6	1446.1	1889.4	1913.0	1889.4
67.5°	628.3	623.4	686.0	809.6	765.6	697.0	731.0	777.7	968.9	870.0	783.2
70°	408.6	401.5	437.7	584.9	685.4	607.5	526.7	519.0	532.8	331.2	358.1
72.5°	274.1	265.8	265.3	321.9	414.1	409.2	408.1	404.2	360.8	261.4	290.0
75°	152.7	146.1	144.4	139.0	148.3	151.0	160.9	166.4	180.1	198.3	219.7
77.5°	25.8	25.3	31.9	40.6	56.0	71.9	89.0	93.9	115.9	137.3	151.0
80°	14.3	14.8	19.2	23.6	31.3	42.8	54.9	58.2	71.4	82.9	93.9
82.5°	7.7	7.7	9.9	12.6	17.0	22.5	29.7	32.4	41.2	48.3	56.0
85°	2.7	2.7	3.8	4.9	7.1	9.3	11.5	13.2	18.1	24.7	28.0
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°	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8
2.5°	2094.8	2080.0	2100.3	2109.6	2112.9	2115.1	2100.8	2090.9	2087.6	2077.2	2071.2
5°	2102.5	2092.6	2111.8	2111.8	2098.1	2083.8	2054.7	2034.4	2020.1	2003.1	2000.3
7.5°	2115.7	2108.5	2119.0	2097.5	2062.9	2024.5	1974.0	1934.4	1902.6	1881.7	1882.2
10°	2133.2	2124.4	2116.2	2068.4	2005.3	1934.4	1857.0	1799.3	1746.6	1722.4	1709.2
12.5°	2144.8	2132.1	2097.5	2018.4	1925.6	1830.6	1721.3	1635.6	1559.3	1524.7	1521.9
15°	2159.0	2136.0	2066.8	1953.6	1824.6	1694.9	1554.3	1435.2	1331.9	1278.1	1275.3
17.5°	2177.7	2139.8	2030.0	1879.5	1718.0	1526.9	1350.0	1200.1	1090.2	1048.5	1055.6
20°	2204.1	2144.2	1988.2	1797.1	1585.6	1335.7	1115.5	977.6	935.3	932.6	927.1
22.5°	2233.7	2147.0	1942.1	1704.8	1425.3	1132.0	921.6	862.8	862.3	876.0	879.3
25°	2267.2	2149.2	1889.9	1597.2	1251.7	928.8	815.1	797.5	811.2	837.0	840.3
27.5°	2310.1	2153.6	1826.8	1479.1	1067.2	802.4	756.3	751.9	768.4	792.5	791.4
30°	2373.2	2169.5	1759.8	1343.4	877.7	742.6	720.6	721.1	727.7	739.3	740.9
32.5°	2437.5	2194.2	1694.4	1190.7	768.9	708.5	698.6	697.5	697.5	702.5	703.6
35°	2498.5	2222.2	1623.5	1031.5	716.2	688.7	682.2	678.9	677.2	676.1	674.5
37.5°	2532.5	2235.9	1554.3	874.4	688.2	675.6	669.0	664.6	658.5	654.1	653.0
40°	2517.7	2220.0	1474.1	756.8	671.2	662.9	655.2	649.2	641.0	637.1	634.9
42.5°	2468.3	2170.6	1386.8	701.4	657.4	649.2	639.9	630.0	624.5	621.2	620.6
45°	2416.1	2110.7	1281.4	669.0	644.3	634.4	623.4	612.4	606.4	604.7	604.2
47.5°	2414.4	2081.1	1169.3	643.2	628.3	618.4	604.7	593.7	587.1	584.9	582.7
50°	2486.9	2111.3	1043.0	620.6	611.8	601.4	586.0	574.0	565.7	563.0	562.4
52.5°	2637.4	2225.0	929.9	598.1	589.9	577.8	565.2	553.1	543.2	538.3	537.7
55°	2800.0	2369.4	859.6	575.0	564.1	553.6	542.1	528.9	517.9	510.2	509.1
57.5°	2968.1	2527.0	838.1	545.9	537.7	530.6	516.8	502.6	489.9	482.8	481.1
60°	3106.5	2662.7	878.2	515.2	510.8	501.5	488.8	475.1	466.3	460.8	459.7
62.5°	2600.6	2167.8	709.1	481.7	481.7	471.8	457.5	447.6	441.6	437.7	436.6
65°	1650.5	1342.3	483.9	448.2	447.6	434.4	422.4	415.8	413.0	407.0	405.9
67.5°	718.9	613.5	413.6	414.1	411.9	397.6	385.6	380.6	375.1	368.5	368.0
70°	372.9	380.1	370.2	376.2	372.4	355.4	343.8	336.1	324.6	318.0	318.6
72.5°	301.0	308.7	319.7	329.0	320.8	307.0	288.9	279.6	264.7	257.6	258.1
75°	229.6	237.8	248.3	258.1	251.5	234.5	223.0	213.7	196.6	188.4	190.0
77.5°	158.2	162.6	175.2	174.7	172.5	167.5	150.5	139.5	121.9	112.0	113.1
80°	98.3	101.1	107.1	109.8	108.7	102.2	88.4	80.2	69.8	63.7	64.3
82.5°	59.3	61.0	66.5	67.0	66.5	61.5	51.1	45.0	38.4	35.2	35.2
85°	30.2	31.3	34.6	34.6	31.3	26.4	23.6	20.9	17.0	15.4	15.4
87.5°	8.2	8.2	10.4	8.8	7.1	6.6	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)