

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: P630385

Luminaire Tested: GWS-SA1D-750-U-SL2-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630385  
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-SA1D-750-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) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

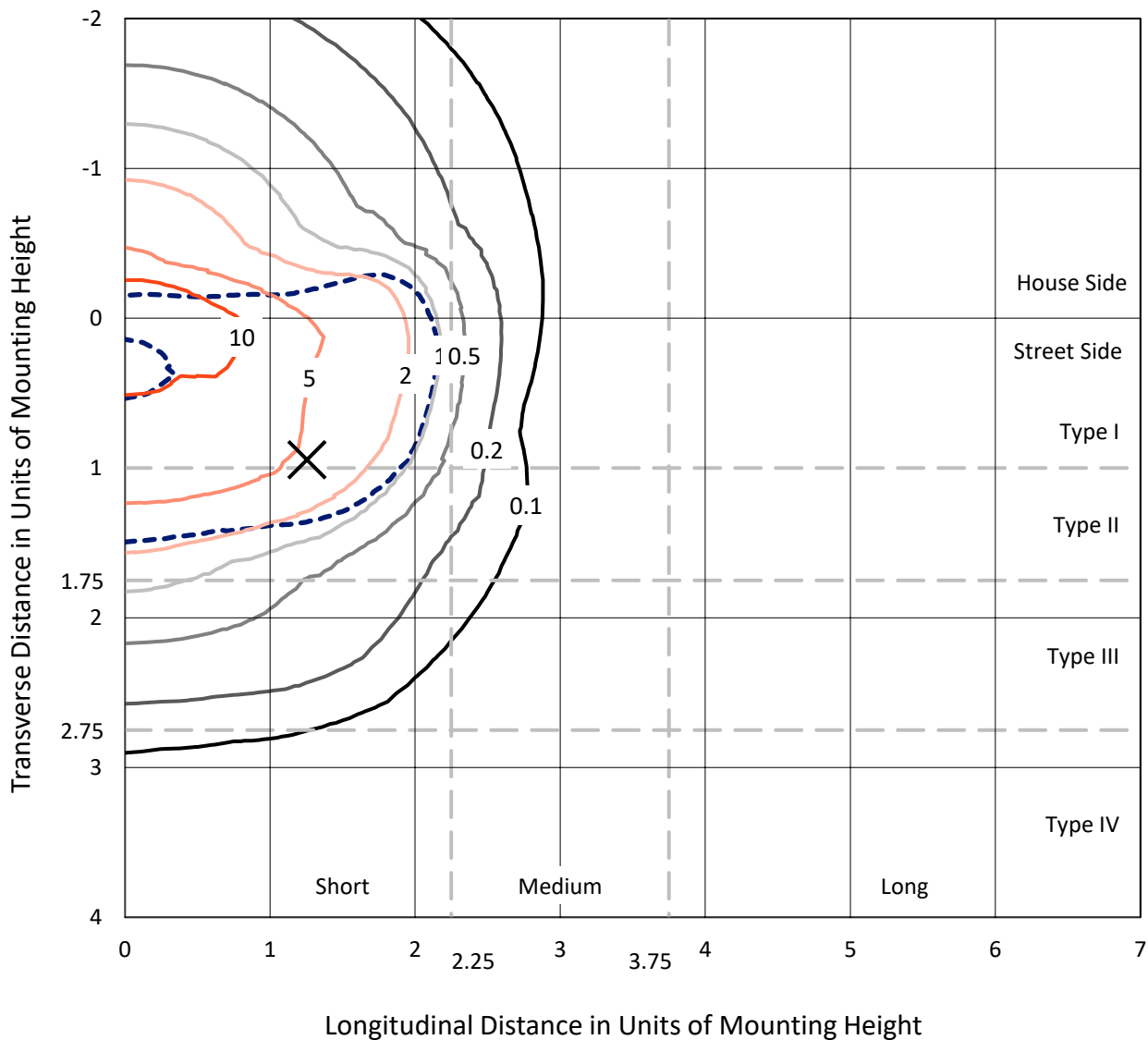
Lumens per Lamp: N/A  
Luminaire Lumens: 5283 lumens  
Efficiency: N/A  
Efficacy: 119.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

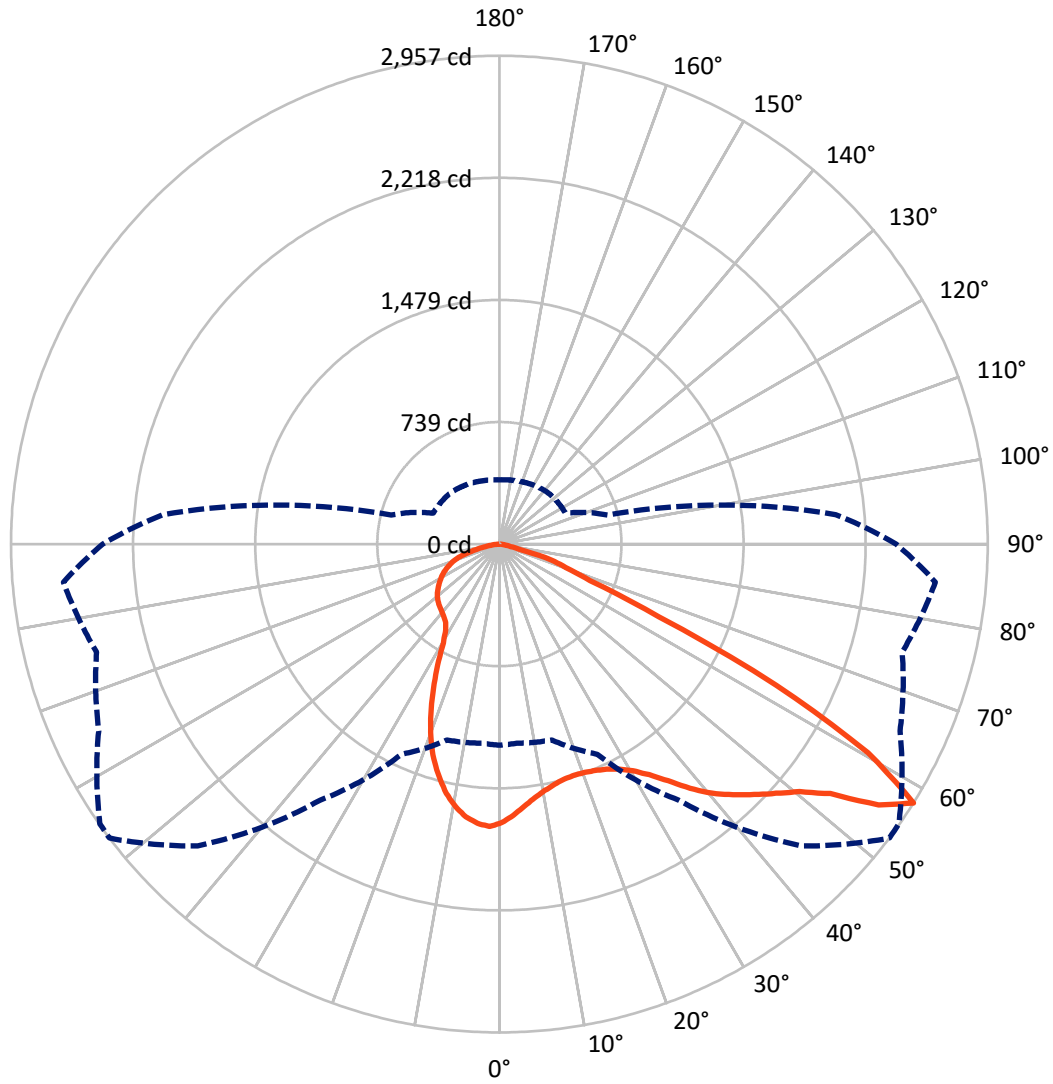
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.9 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
<b>House Side</b>	Lumens	1651.8	0.0	1651.8
	% Fixture	31.3	0.0	31.3
<b>Street Side</b>	Lumens	3631.2	0.0	3631.2
	% Fixture	68.7	0.0	68.7
<b>Total</b>	Lumens	5283.0	0.0	5283.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	152.6	2.9
10°-20°	400.2	7.6
20°-30°	589.7	11.2
30°-40°	825.4	15.6
40°-50°	1085.1	20.5
50°-60°	1272.2	24.1
60°-70°	749.5	14.2
70°-80°	186.4	3.5
80°-90°	21.9	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°	5283.0	100.0
0°-180°	5283.0	100.0

**Coefficient of Utilization**



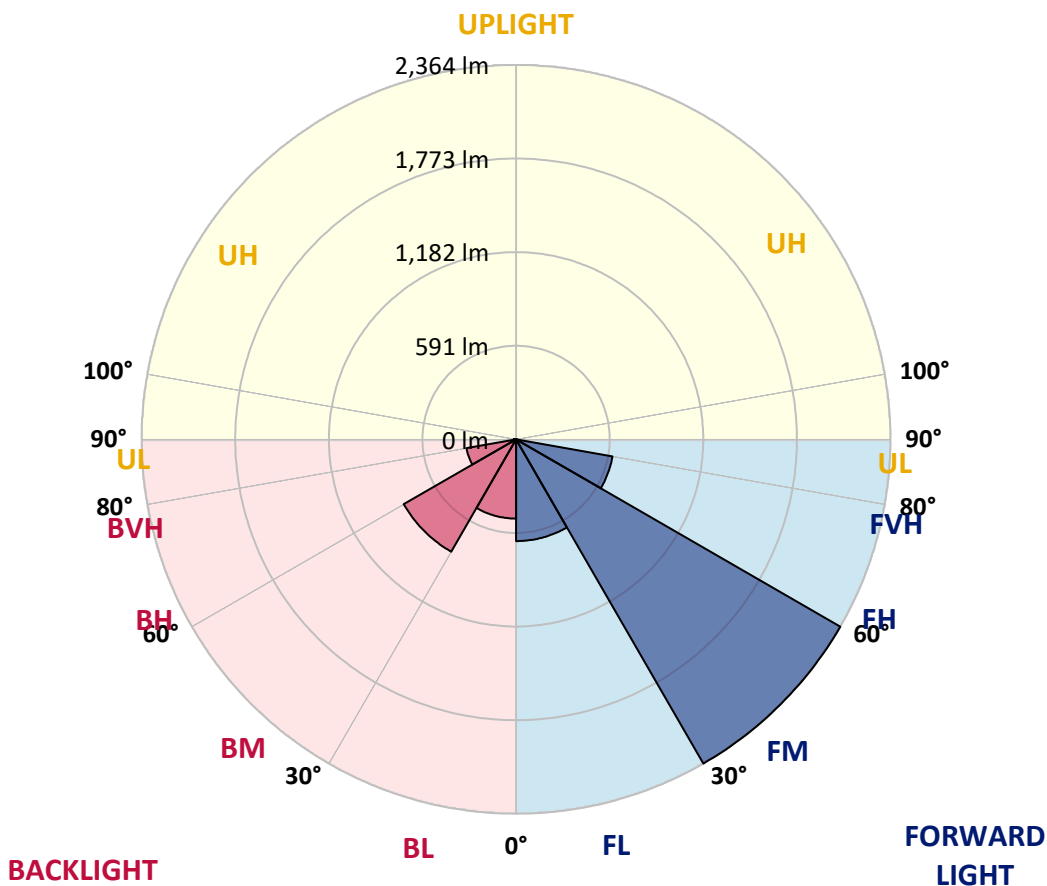
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	642.3	12.2			
FM (30°-60°)	2363.7	44.7			
FH (60°-80°)	617.9	11.7			G0/660
FVH (80°-90°)	7.3	0.1			G0/10
BL (0°-30°)	500.2	9.5	B2/1000		
BM (30°-60°)	819.1	15.5	B1/1000		
BH (60°-80°)	318.0	6.0	B1/500		G1/500
BVH (80°-90°)	14.6	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°	53°	55°	65°	75°	85°
0°	1687.0	1687.0	1687.0	1687.0	1687.0	1687.0	1687.0	1687.0	1687.0	1687.0	1687.0
2.5°	1590.1	1594.5	1595.4	1609.2	1610.1	1630.1	1643.4	1640.8	1654.5	1671.4	1684.8
5°	1514.0	1514.5	1518.9	1535.4	1544.3	1570.5	1592.7	1592.7	1619.4	1654.1	1683.9
7.5°	1451.3	1450.9	1454.9	1473.1	1487.8	1519.4	1549.6	1553.2	1590.5	1641.2	1689.7
10°	1393.1	1396.2	1400.6	1422.9	1441.6	1480.7	1516.7	1522.5	1569.6	1632.3	1697.7
12.5°	1355.7	1356.2	1362.9	1387.8	1411.8	1453.6	1491.4	1498.5	1552.7	1623.9	1703.5
15°	1331.7	1332.2	1339.3	1366.9	1394.9	1437.1	1475.8	1483.8	1542.9	1622.5	1714.6
17.5°	1321.1	1320.6	1327.3	1354.9	1385.5	1429.6	1470.9	1480.7	1547.4	1632.8	1734.1
20°	1321.1	1321.5	1325.1	1350.0	1381.1	1427.8	1475.8	1487.8	1564.7	1655.9	1764.4
22.5°	1339.7	1341.5	1343.3	1360.2	1384.6	1430.4	1488.7	1504.7	1602.1	1694.6	1803.9
25°	1376.2	1376.6	1378.4	1392.2	1403.3	1438.0	1510.0	1534.0	1660.3	1751.0	1853.7
27.5°	1425.1	1431.3	1433.1	1442.0	1442.0	1456.7	1543.4	1578.1	1739.0	1832.4	1917.3
30°	1493.6	1495.8	1498.9	1508.7	1498.0	1491.8	1592.3	1636.8	1830.2	1930.7	1993.8
32.5°	1553.6	1558.5	1575.4	1591.4	1572.3	1552.7	1664.3	1716.8	1917.8	2032.9	2075.2
35°	1604.7	1616.7	1649.2	1684.8	1671.4	1651.9	1759.9	1814.6	1989.8	2106.3	2147.2
37.5°	1666.6	1675.9	1720.4	1778.2	1790.2	1780.8	1876.4	1915.6	2037.8	2125.0	2186.3
40°	1729.2	1743.5	1800.8	1880.9	1926.7	1933.3	1984.0	2010.3	2054.3	2088.5	2178.8
42.5°	1793.3	1817.7	1896.4	1989.8	2071.2	2086.3	2074.7	2085.9	2049.0	2038.3	2143.7
45°	1871.5	1900.4	1989.4	2108.5	2215.7	2239.3	2163.7	2153.4	2048.1	2019.2	2121.9
47.5°	1964.0	1992.9	2077.9	2216.6	2353.5	2370.9	2254.8	2236.1	2079.2	2048.5	2151.2
50°	2045.8	2065.8	2141.9	2297.1	2482.0	2492.3	2355.3	2332.6	2156.6	2129.9	2242.8
52.5°	1962.7	1960.5	2040.5	2231.7	2548.7	2671.9	2510.1	2488.3	2306.0	2265.1	2384.7
55°	1665.2	1639.9	1711.5	1899.5	2362.4	2831.5	2787.5	2743.9	2505.2	2401.1	2517.6
57.5°	1217.5	1210.3	1227.7	1404.2	1892.4	2584.3	2957.4	2953.4	2677.2	2525.6	2650.1
60°	952.0	941.3	895.1	900.0	1289.9	2018.7	2566.5	2684.4	2784.0	2600.3	2742.6
62.5°	845.3	837.3	813.3	747.0	768.4	1353.5	1881.3	1989.4	2432.7	2296.6	2355.8
65°	699.9	697.7	717.7	715.0	643.9	747.5	1061.8	1170.8	1529.6	1548.7	1529.6
67.5°	508.7	504.7	555.4	655.4	619.8	564.3	591.8	629.6	784.4	704.3	634.1
70°	330.8	325.0	354.4	473.6	554.9	491.8	426.4	420.2	431.3	268.1	289.9
72.5°	221.9	215.2	214.8	260.6	335.3	331.3	330.4	327.3	292.1	211.7	234.8
75°	123.6	118.3	116.9	112.5	120.1	122.3	130.3	134.7	145.8	160.5	177.9
77.5°	20.9	20.5	25.8	32.9	45.4	58.2	72.0	76.0	93.8	111.2	122.3
80°	11.6	12.0	15.6	19.1	25.3	34.7	44.5	47.1	57.8	67.1	76.0
82.5°	6.2	6.2	8.0	10.2	13.8	18.2	24.0	26.2	33.3	39.1	45.4
85°	2.2	2.2	3.1	4.0	5.8	7.6	9.3	10.7	14.7	20.0	22.7
87.5°	0.0	0.0	0.0	0.0	0.4	0.9	1.8	1.8	2.2	4.0	5.8
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°	1687.0	1687.0	1687.0	1687.0	1687.0	1687.0	1687.0	1687.0	1687.0	1687.0	1687.0
2.5°	1695.9	1683.9	1700.3	1707.9	1710.6	1712.3	1700.8	1692.8	1690.1	1681.7	1676.8
5°	1702.1	1694.1	1709.7	1709.7	1698.6	1687.0	1663.4	1647.0	1635.4	1621.6	1619.4
7.5°	1712.8	1707.0	1715.5	1698.1	1670.1	1639.0	1598.1	1566.1	1540.3	1523.4	1523.8
10°	1727.0	1719.9	1713.2	1674.6	1623.4	1566.1	1503.4	1456.7	1414.0	1394.4	1383.8
12.5°	1736.4	1726.1	1698.1	1634.1	1558.9	1482.0	1393.5	1324.2	1262.4	1234.4	1232.1
15°	1747.9	1729.2	1673.2	1581.6	1477.1	1372.2	1258.4	1161.9	1078.3	1034.7	1032.5
17.5°	1763.0	1732.4	1643.4	1521.6	1390.9	1236.1	1093.0	971.6	882.6	848.8	854.6
20°	1784.4	1735.9	1609.6	1454.9	1283.7	1081.4	903.1	791.5	757.2	755.0	750.6
22.5°	1808.4	1738.1	1572.3	1380.2	1153.9	916.4	746.1	698.5	698.1	709.2	711.9
25°	1835.5	1739.9	1530.0	1293.0	1013.4	751.9	659.9	645.6	656.7	677.6	680.3
27.5°	1870.2	1743.5	1478.9	1197.4	864.0	649.6	612.3	608.7	622.1	641.6	640.7
30°	1921.3	1756.4	1424.7	1087.6	710.6	601.2	583.4	583.8	589.2	598.5	599.8
32.5°	1973.4	1776.4	1371.7	964.0	622.5	573.6	565.6	564.7	564.7	568.7	569.6
35°	2022.7	1799.1	1314.4	835.1	579.8	557.6	552.3	549.6	548.3	547.4	546.0
37.5°	2050.3	1810.2	1258.4	707.9	557.1	546.9	541.6	538.0	533.1	529.6	528.7
40°	2038.3	1797.3	1193.4	612.7	543.4	536.7	530.5	525.6	518.9	515.8	514.0
42.5°	1998.3	1757.3	1122.7	567.8	532.2	525.6	518.0	510.0	505.6	502.9	502.5
45°	1956.0	1708.8	1037.4	541.6	521.6	513.6	504.7	495.8	490.9	489.6	489.1
47.5°	1954.7	1684.8	946.7	520.7	508.7	500.7	489.6	480.7	475.3	473.6	471.8
50°	2013.4	1709.2	844.4	502.5	495.3	486.9	474.4	464.7	458.0	455.8	455.3
52.5°	2135.2	1801.3	752.8	484.2	477.6	467.8	457.5	447.8	439.8	435.8	435.3
55°	2266.8	1918.2	695.9	465.5	456.7	448.2	438.9	428.2	419.3	413.1	412.2
57.5°	2402.9	2045.8	678.5	442.0	435.3	429.5	418.4	406.9	396.6	390.8	389.5
60°	2514.9	2155.7	711.0	417.1	413.5	406.0	395.7	384.6	377.5	373.1	372.2
62.5°	2105.4	1755.0	574.0	390.0	390.0	382.0	370.4	362.4	357.5	354.4	353.5
65°	1336.2	1086.7	391.7	362.8	362.4	351.7	341.9	336.6	334.4	329.5	328.6
67.5°	582.0	496.7	334.8	335.3	333.5	321.9	312.1	308.1	303.7	298.4	297.9
70°	301.9	307.7	299.7	304.6	301.5	287.7	278.4	272.1	262.8	257.5	257.9
72.5°	243.7	249.9	258.8	266.3	259.7	248.6	233.9	226.3	214.3	208.5	209.0
75°	185.9	192.5	201.0	209.0	203.7	189.9	180.5	173.0	159.2	152.5	153.8
77.5°	128.1	131.6	141.8	141.4	139.6	135.6	121.8	112.9	98.7	90.7	91.6
80°	79.6	81.8	86.7	88.9	88.0	82.7	71.6	64.9	56.5	51.6	52.0
82.5°	48.0	49.4	53.8	54.2	53.8	49.8	41.4	36.5	31.1	28.5	28.5
85°	24.5	25.3	28.0	28.0	25.3	21.3	19.1	16.9	13.8	12.5	12.5
87.5°	6.7	6.7	8.4	7.1	5.8	5.3	2.7	2.2	0.9	0.4	0.4
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)