

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: P630932

Luminaire Tested: GWS-SA1E-760-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630932
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-51)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-760-U-RW-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6739.4 lumens
Efficiency: N/A
Efficacy: 115.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

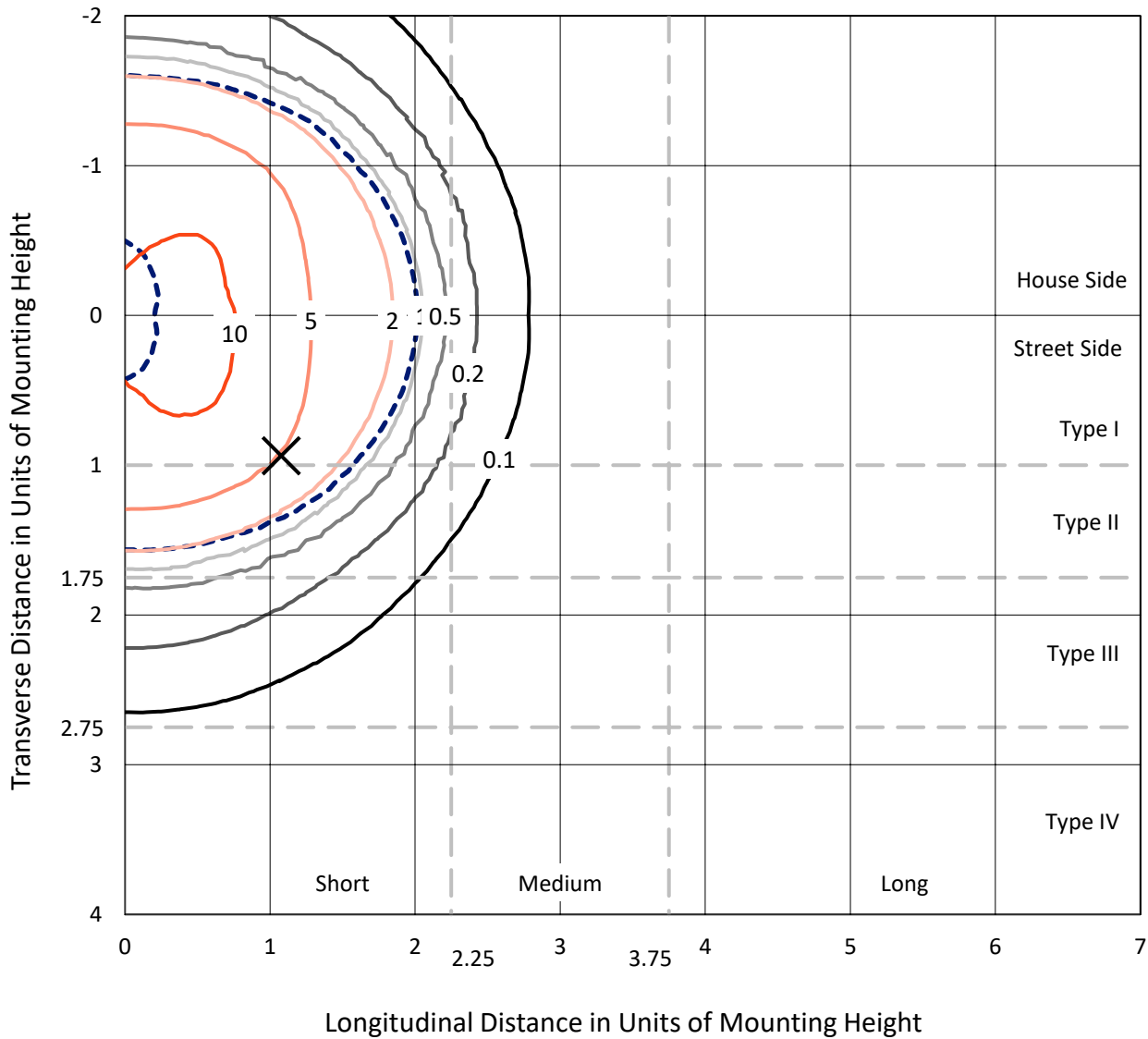
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

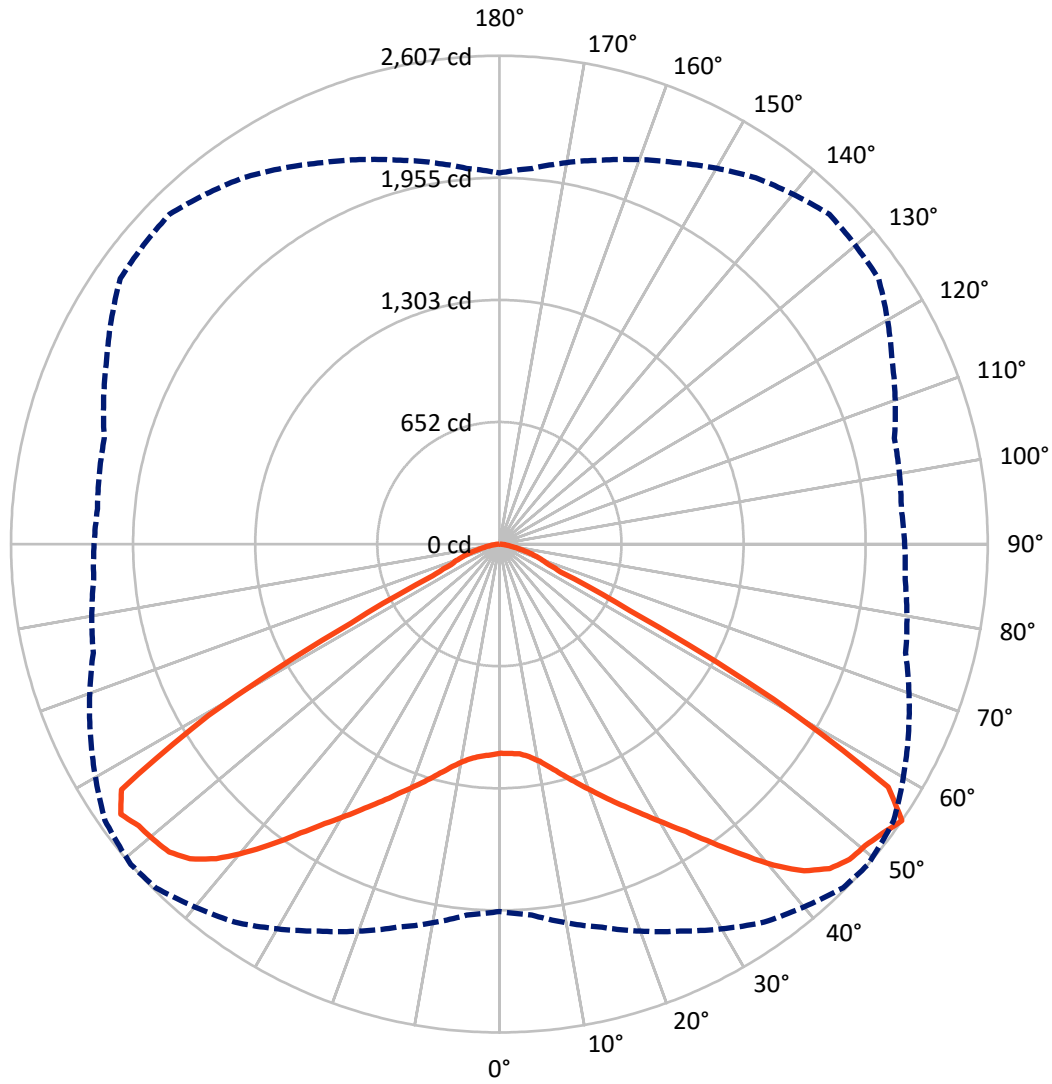
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3336.6	0.0	3336.6
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	3402.8	0.0	3402.8
	% Fixture	50.5	0.0	50.5
Total	Lumens	6739.4	0.0	6739.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.9	1.6
10°-20°	359.2	5.3
20°-30°	684.2	10.2
30°-40°	1159.9	17.2
40°-50°	1745.6	25.9
50°-60°	1910.7	28.4
60°-70°	604.2	9.0
70°-80°	145.0	2.2
80°-90°	21.8	0.3
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°	6739.4	100.0
0°-180°	6739.4	100.0

Coefficient of Utilization



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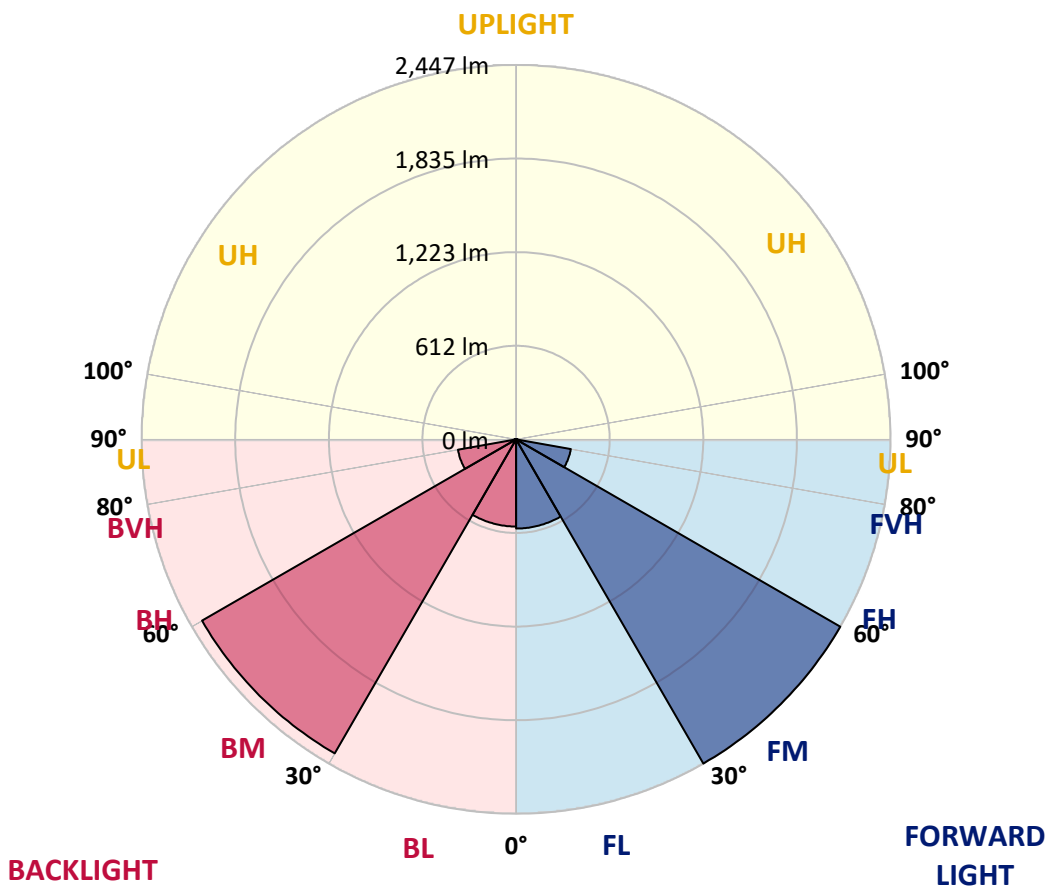
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	582.7	8.6			
FM (30°-60°)	2446.6	36.3			
FH (60°-80°)	363.4	5.4			G0/660
FVH (80°-90°)	10.1	0.1			G1/100
BL (0°-30°)	569.7	8.5	B2/1000		
BM (30°-60°)	2369.5	35.2	B2/2500		
BH (60°-80°)	385.8	5.7	B1/500		G0/660
BVH (80°-90°)	11.7	0.2			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 V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	1116.4	1116.4	1116.4	1116.4	1116.4	1116.4	1116.4	1116.4	1116.4	1116.4	1116.4
2.5°	1100.0	1101.1	1103.3	1107.1	1110.9	1116.4	1118.6	1121.4	1120.8	1124.1	1124.1
5°	1094.5	1096.1	1099.4	1104.9	1111.5	1121.9	1124.6	1131.2	1137.8	1146.0	1148.8
7.5°	1101.1	1103.3	1107.1	1115.9	1125.7	1139.4	1144.9	1155.9	1168.5	1183.3	1189.3
10°	1113.7	1116.4	1123.0	1137.2	1153.1	1174.0	1178.9	1192.6	1212.9	1233.2	1245.2
12.5°	1127.9	1132.3	1144.4	1166.8	1190.4	1217.8	1225.5	1242.5	1264.4	1290.7	1307.2
15°	1144.4	1148.2	1166.8	1198.6	1235.4	1271.5	1280.3	1296.7	1321.4	1347.2	1370.2
17.5°	1178.9	1185.5	1207.4	1244.1	1286.9	1329.6	1339.5	1358.1	1377.9	1398.1	1420.1
20°	1226.0	1231.5	1259.5	1305.0	1355.4	1394.3	1404.2	1420.6	1429.9	1440.3	1459.0
22.5°	1273.2	1280.8	1312.6	1366.3	1425.5	1467.7	1475.4	1490.8	1484.2	1480.9	1492.9
25°	1331.8	1342.2	1373.5	1432.1	1492.4	1544.5	1550.5	1563.6	1552.7	1535.7	1535.1
27.5°	1404.7	1414.0	1446.4	1506.6	1566.4	1620.6	1632.2	1649.7	1625.6	1604.8	1590.0
30°	1491.3	1497.3	1533.0	1597.1	1658.5	1710.0	1724.8	1742.3	1724.2	1689.7	1674.9
32.5°	1592.1	1600.4	1641.5	1708.9	1763.7	1815.2	1830.0	1851.9	1832.2	1793.3	1774.7
35°	1713.3	1721.5	1764.8	1838.2	1894.1	1947.3	1957.7	1975.8	1951.1	1906.2	1891.4
37.5°	1844.8	1855.2	1910.0	1979.6	2038.3	2100.2	2100.8	2106.2	2071.2	2015.3	1998.8
40°	1992.8	2006.5	2061.3	2133.6	2204.3	2254.8	2254.2	2238.9	2179.7	2093.1	2067.9
42.5°	2139.1	2150.1	2205.4	2280.0	2350.7	2398.4	2384.1	2346.8	2261.3	2143.5	2110.1
45°	2244.9	2253.1	2311.2	2395.1	2466.9	2496.5	2470.7	2425.8	2310.1	2175.3	2126.0
47.5°	2294.8	2305.7	2364.4	2447.7	2528.8	2545.8	2515.1	2472.9	2338.6	2204.9	2138.6
50°	2267.9	2282.2	2348.5	2425.8	2517.3	2552.4	2530.4	2488.2	2368.8	2233.9	2161.0
52.5°	2198.3	2212.0	2295.9	2389.6	2493.2	2562.8	2562.2	2527.7	2403.3	2242.2	2162.1
55°	1960.5	1987.3	2117.7	2279.4	2463.6	2593.5	2606.6	2569.9	2408.8	2244.4	2173.7
57.5°	1275.9	1323.0	1446.9	1657.4	2026.8	2358.9	2447.7	2456.5	2369.3	2235.0	2175.8
60°	532.7	570.5	668.6	808.4	1113.7	1508.8	1680.9	1853.6	2061.8	2137.5	2155.6
62.5°	331.0	334.3	344.2	376.0	477.9	670.8	781.6	943.2	1252.9	1516.5	1638.2
65°	298.7	300.3	302.5	300.3	305.3	328.8	358.4	414.9	540.9	671.9	827.6
67.5°	263.1	265.3	266.9	265.3	266.9	268.0	271.3	276.2	299.2	317.9	332.1
70°	212.7	215.9	218.7	217.6	224.2	224.2	227.4	231.3	242.8	256.5	266.4
72.5°	162.2	159.5	162.8	163.9	169.9	173.2	178.1	182.5	195.7	203.9	216.5
75°	105.2	102.5	107.4	110.2	118.4	122.8	127.2	131.5	140.9	146.3	158.4
77.5°	57.0	56.5	61.4	65.2	74.0	79.5	82.8	86.0	93.7	95.4	103.0
80°	32.9	32.9	36.2	38.9	44.4	50.4	53.7	56.5	61.9	63.6	66.9
82.5°	18.1	18.1	19.7	21.4	25.8	29.0	31.8	34.0	38.9	40.6	42.2
85°	8.8	8.2	9.3	10.4	12.1	13.7	15.3	16.4	20.3	21.4	23.6
87.5°	1.1	1.1	1.1	1.6	2.2	3.3	3.8	3.8	6.0	7.1	8.2
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°	1116.4	1116.4	1116.4	1116.4	1116.4	1116.4	1116.4	1116.4	1116.4	1116.4	1116.4
2.5°	1127.4	1120.3	1124.6	1126.3	1126.3	1124.6	1117.5	1115.3	1112.0	1107.1	1107.1
5°	1152.6	1147.1	1148.2	1145.5	1138.9	1130.7	1117.5	1110.9	1105.5	1099.4	1098.9
7.5°	1195.9	1188.8	1187.7	1177.3	1159.7	1142.2	1122.5	1110.4	1102.2	1094.5	1094.0
10°	1252.3	1245.8	1237.5	1216.7	1191.0	1165.2	1138.3	1121.9	1109.8	1098.9	1098.3
12.5°	1315.4	1307.7	1292.4	1261.7	1229.3	1204.1	1173.4	1148.2	1130.1	1115.3	1112.6
15°	1383.9	1372.9	1346.6	1310.4	1278.7	1251.8	1218.9	1182.7	1155.3	1131.8	1129.0
17.5°	1436.5	1422.2	1393.7	1359.8	1333.5	1306.6	1263.9	1218.4	1178.9	1149.3	1144.9
20°	1472.7	1461.2	1428.8	1403.6	1388.3	1364.7	1314.8	1263.3	1218.9	1181.6	1179.5
22.5°	1506.1	1492.4	1460.6	1445.8	1445.8	1429.9	1382.2	1321.4	1269.3	1226.0	1220.6
25°	1543.9	1529.1	1505.0	1503.4	1511.0	1503.9	1446.4	1381.1	1320.3	1271.5	1262.8
27.5°	1596.5	1580.1	1565.8	1575.7	1586.7	1579.0	1514.9	1439.2	1375.1	1325.8	1318.1
30°	1680.4	1660.1	1647.0	1659.0	1680.4	1657.9	1588.3	1508.3	1443.6	1389.4	1385.5
32.5°	1777.9	1754.9	1741.2	1760.4	1779.6	1744.5	1675.5	1598.7	1530.8	1473.8	1467.2
35°	1895.2	1866.2	1845.9	1871.7	1891.4	1856.9	1788.4	1715.5	1639.8	1580.6	1571.9
37.5°	1999.4	1964.3	1950.6	1986.8	2013.1	1990.6	1916.1	1847.6	1764.8	1700.1	1696.3
40°	2075.0	2040.5	2030.6	2090.3	2136.4	2130.9	2064.0	1985.7	1907.8	1833.3	1826.2
42.5°	2107.9	2083.8	2086.0	2166.5	2237.8	2272.9	2213.1	2129.3	2054.2	1976.9	1972.0
45°	2115.0	2100.2	2117.7	2218.6	2312.3	2384.1	2333.1	2263.0	2178.0	2103.5	2101.3
47.5°	2122.7	2114.5	2141.3	2248.2	2359.4	2442.8	2414.3	2341.9	2255.9	2183.0	2177.5
50°	2140.8	2137.5	2167.6	2269.0	2381.9	2458.7	2426.3	2354.5	2266.3	2194.5	2181.3
52.5°	2146.2	2140.8	2184.1	2301.4	2419.2	2458.1	2388.5	2294.8	2206.0	2126.0	2112.3
55°	2163.2	2153.4	2183.0	2313.4	2470.7	2489.9	2386.3	2246.0	2122.1	2013.1	1980.7
57.5°	2167.6	2156.7	2175.8	2293.7	2414.8	2397.8	2097.5	1812.5	1579.0	1457.9	1471.6
60°	2144.1	2147.3	2114.5	2101.3	1936.9	1710.0	1284.1	1026.5	806.2	713.0	733.3
62.5°	1632.2	1645.9	1533.5	1333.5	1025.4	812.8	537.7	417.6	353.5	337.1	339.8
65°	823.8	842.4	725.6	600.1	446.1	360.6	311.9	302.0	298.7	294.9	294.9
67.5°	326.1	331.6	327.2	306.4	285.0	277.3	275.1	274.0	270.2	268.0	268.6
70°	262.0	266.4	259.8	246.6	237.9	237.3	236.2	234.0	231.3	231.3	232.9
72.5°	213.7	218.1	208.8	200.6	194.0	189.1	186.3	184.7	180.9	180.9	182.5
75°	157.3	160.0	152.4	151.3	144.1	139.2	134.8	132.6	127.7	125.5	127.2
77.5°	104.7	104.1	100.3	100.3	97.6	91.5	86.6	81.7	75.1	70.7	71.8
80°	68.0	68.0	66.3	66.3	63.6	58.6	52.6	47.7	43.8	40.6	40.6
82.5°	43.3	42.7	42.2	41.7	40.6	35.6	31.2	28.0	25.2	23.0	23.6
85°	24.1	24.1	23.0	23.0	20.8	18.1	15.9	13.7	12.1	11.5	11.5
87.5°	8.2	8.2	7.7	7.7	6.6	4.9	3.8	3.3	2.7	2.2	2.7
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)